

Richard Schmitt

From: Stephen Ruzzano [ruzzano@fnal.gov]
Sent: Wednesday, July 22, 2009 11:16 AM
To: rlschmitt@fnal.gov
Subject: The Liquid Argon Purification Demonstration experiment

rich,
On July 22, 2009 i traveled off site to Midwest Imperial Steel Ft facility in Frankfort ,IL and inspected the tank, that will be used in the Liquid Argon Purification Demonstration experiment. It is a 10foreign diameter tank and the entry hatch is approximatley 3 ft in diameter. I inspected the tank visually with an ultraviolet light. I was cover in tyvek suit, boots and rubber gloves to not transfer matter into the tank and step on stick mat prior to entrance. There are no contaminants in the air and oxygen levels OK. During my inspection there were several foreign materials inside. The first was small pieces of lint that can only be seen with the UV light this covers pretty much the entire tank, probably from the wipe down it had received. The second was, water has settled on the bottom of the tank but cannot be deeper than 1/8 of an inch. The third was some kind of oil mostly around the entrance hatch and entrance and return pipes welded to the tank, but was not a large amount. The las was, there was a small amount of oil on the hatch cover maybe 1/2 by 1/2 inch. Overall the tank was clean and should be a small task to prep. I hope this covers it. Any questions you can reach me at 6433.

Thanks, Steve