

# NOMINATION FORM



## H. R. LABOUNTY SAFETY AWARD PROGRAM

**AGENCY:** Santa Fe Irrigation District

**Employee Nominated:**

**Name:** Danny Burns

**Job Classification:** Senior Maintenance Mechanic

**Reason for Nomination:** Enhanced one ton chlorine gas cylinder storage system.

Danny Burns designed a rollerized one ton chlorine tank storage rack system to properly pre-stage and secure the 16 standby chlorine cylinders. Mr. Burns is an exceptional Mechanical Engineer who used his outstanding technical knowledge of hazardous materials and his superb skills of mechanical systems design and fabrication, which enabled him to coordinate the fabrication of a rollerized one ton chlorine gas cylinder rack system.

This newly enhanced system allows Santa Fe Irrigation District the ability to properly pre-stage the one ton chlorine cylinders so that the gas side is allowed to off gas any liquid chlorine that may be in the pick up tubes. If liquid chlorine is still present in these tubes and the cylinder is placed in service, it will cause liquid carryover which will cause regulator failure that requires countless hours of repair and creates a dangerous situation because the liquid chlorine has to off gas and will be present when dismantling the regulators.

Secondly, In the event of a broken pick up tube, the one ton cylinders can be rolled into the proper position so that the one ton cylinder can still be placed in service, thus maximizing the chlorine inventory especially during the peak demands of summer.

Finally, in the event of a one ton cylinder failure, the tank can be quickly and effortlessly rolled into position to stop the liquid chlorine from escaping the one ton cylinder. Once the chlorine leak is placed on the gaseous side, the one ton cylinder can be swiftly mitigated using the appropriate safety equipment provided for the safe handling of chlorine gas systems.

The existing system did not have any support equipment to assist in the rotation of the tanks. It was a timely process that included attaching the two ton overhead crane system to pick and lift the one ton chlorine cylinders to the desired position. The installation of this new system greatly enhances the safety factor of one ton chlorine gas cylinder transfer operations as well as providing a culture of safety and an atmosphere of increased confidence. Mr. Burns represents the highest standards of professionalism and safety at Santa Fe Irrigation District.

**Nominated by:** Rocky A. Hughes, Safety Officer

**Signature:** \_\_\_\_\_

**Date:** 3/23/2010

**Reviewed by:** Cor Shaffer, Operations Manager

**General Manager:** Michael Bardin

**Date:** 3/24/2010

**Please attach supporting documents and/or digital photos and E-mail to:**

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