

SHAC NOTICE

February 17, 1977

It has come to our attention that there are problems and potential hazards connected with the various types of electrical tracing used in the plant.

For new installations, Chemelex self limiting heating system should be used. This material looks like TV lead-in wire and has been found to perform effectively in its intended service.

We understand that a number of installations (especially in caustic and acetic service) have "MI" tracing installed. This type tracing can easily be mistaken for copper tubing, thus presenting an electrical hazard. The voltage on the "MI" cable is as high as 480 volts. If the copper jacket is broken, the heater will quickly fail because of moisture and repair is difficult requiring special techniques.

Those of you having electrical tracing installations in your area or on your equipment should ascertain the type of tracing installed. Consider replacement as practical, and insure that proper controls are instituted so that there is no change for an incident because of mistaken identity. The original installation was marked with large decals applied to the outside of the pipe's insulation.


Harold Lacy
Chairman, SHAC

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SHAC NOTICE

January 12, 1977

Several valid questions have come up, with more likely, regarding recent SHAC communications concerning bulls-eye sight glasses and nitrogen connections. It is worthwhile to amplify these requests as follows:

1. Bull's Eye Sight Glasses (SHAC Action Request, December 8, 1976).
 - a. The standards listed apply to flammable/toxic or to combustible liquids only. They do not apply to non-hazardous service (cooling tower water, etc.) or to systems not otherwise compatible with the standards (i. e., do not necessarily put a flanged sight glass in a piping system containing screwed connections if the system otherwise meets standards).
 - b. Standards do not cover all possible situations. In a number of cases, individual decisions by manufacturing and support personnel will be required to determine adequacy of existing installations, potential for over-pressuring or other failures, etc.

During the quarterly guest inspections scheduled for the week of January 17, SHAC members will review with departmental supervision questions regarding sight glass applications and problems in complying with existing standards.

2. Nitrogen Connections (SHAC Notice, January 5, 1977).

We specified red tape (for green hoses) to identify a hose to be used for nitrogen use only. For red utility hoses (becoming more and more prevalent) use green tape. In either case, we maintain the green-red combination consistent with inert gas pipe color coding.

The plant is now buying yellow hose equipped with Thor-type fittings and eventually, as hoses require replacement, all nitrogen hoses will be yellow. These hoses have been set up in stores.



SHAC NOTICE - NITROGEN SYSTEMS

January 5, 1977

P-Bulletin -0126 - "Nitrogen Distribution Systems" has recently been revised and re-issued. The principal change is the requirement that Thor-type fittings be used at all nitrogen hose stations. This notice is being issued to assist nitrogen users in prompt and complete implementation of this bulletin.

These points are pertinent regarding conversion to Thor-type fittings, where applicable:

1. Standard hose connections, where necessary, should be equipped with 3/4" hose connection, MCC 060239. Thor-type or National couplings are stocked against this number and are available in stores.
2. Section V-D of this bulletin calls for nitrogen hoses (dedicated service) to be tagged with a distinctive color tape. This tape is to be red for identification. (Since general service hoses are normally green, the red tape will be consistent with the green-red-green nitrogen piping code.)
3. Areas using adapters where multi-purpose usage on vessels is required (section VD) are required to have specific procedures and control systems, approved by the department superintendent, governing their use.
4. Adapters, if used, are not to be used as hose stations. They would be used adjacent to affected equipment.
5. Hose connections which must be attached to vessels should be converted to the primary fitting. If water or air is normally used, a crow's foot is appropriate. If nitrogen is normally used, a Thor-type fitting should be attached.

It is SHAC intention to emphasize proper implementation of this bulletin during the second quarterly inspection, scheduled for April.

Questions regarding the bulletin should be directed to any SHAC member.


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