

Monsanto

FROM (NAME & LOCATION) A. J. Bolton - Texas City

DATE December 14, 1976

cc.

SUBJECT Safety Contact '76 - Follow-up

REFERENCE

TO : Plant Manager's Safety Board

Each card received has been reviewed by Ted Washington, safety representative, and Jim Bolton. Corrective actions are indicated below:

I. Suggestions Requiring Review and/or Corrective Action

<u>Suggestion</u>	<u>Action</u>	<u>Status</u>
Chlorinator rotometers need shielding to protect tubes.	Review each chlorinator to confirm safety standards are met.	Foremen to check each chlorinator for conformity to safety stds. during Dec. Correct as necessary.
Need improved ventilation around chlorinators in close places.	Review each chlorinator to confirm safety standards are met.	" by 12/31
600# steam blowdown leads should be piped away from personnel blowing down meter.	Review standard for piping blowdown leads & correct installations as required.	Assigned to engr. (Z. T. Anderson). Corrections will be made as necessary pending standard change by 12/31.
Paint chlorine lines yellow at chlorinators.	Check on plant color code.	To be reviewed with Safety Dept. by T. Washington by 12/31.
Extend blow down lines closer to ground on hot water & steam meters.	Check to set a standard for piping blow down leads.	Assigned to engr. (Z. T. Anderson) - complete review by 12/31.
Steam manifolds should be wrapped with insulating tape.	Check each unit. Discuss in safety meeting in December.	Each foreman and/or chief to check each installation for conformity to standard by 12/31.

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<u>Suggestion</u>	<u>Action</u>	<u>Status</u>
Removal of hot thermocouples requires careful planning & execution.	Discuss in safety meeting & check for two pairs of insulated gloves in unit. Safety meeting in Dec.	Each foreman to provide gloves as necessary during December.
Use proper procedure when sampling condensate from styrene separator.	Procedures being written by V. Rogstad. Discuss in safety meeting in Dec.	Procedure to be completed by Dec. 21, 1976.

II. Suggestions to be Discussed in Special Safety Meeting to be Held in December 1976

Know process material before working on instruments.	Will discuss in safety meeting in Dec.	*
When replacing picture tube, make sure static voltage is discharged.	To be discussed in safety meeting in Dec.	*
Double check before blowing down 600# steam meter.	Will discuss in safety meeting in Dec.	*
Check cylinder caps for tightness before handling.	Discuss in safety meeting in Dec.	*
In some cases, judgement should warrant 2 people when checking sealed transmitters.	"	*
Before blowing down 600# steam meters, know where blow down is pointed and make sure pipe is rigid.	"	*
Disconnect circuit board from power before soldering.	"	*
Before using impact tool, check for good connection and proper socket.	Discuss in safety meeting. Inspect tools. Safety meeting in Dec.	*

* Special safety meeting will be held in December to review items listed above.

<u>Suggestion</u>	<u>Action</u>	<u>Status</u>
Plant wide safety program deteriorated. Supervision has not trained instrumentmen in units such as Dept. 19 where new type instruments have been installed.	Discuss in safety meeting. Check with Dept. 19 supervision for progress of new men in training program. Safety meeting in Dec.	Training complete except those on long term illness.
Be aware of plugs in line when blowing down analyzers.	Discuss in safety meeting in Dec.	*
Before working on meters in hazardous service, be sure it is blocked in, cooled off, and know what is in the line.	Discuss in safety meeting (treat all as hazardous). Safety meeting in Dec.	*
When working on high voltage in amplifiers, have one hand in pocket or hanging loose to prevent shock.	Discuss in safety meeting in Dec.	*
Be aware of open ended process valves.	Discuss in safety meeting in Dec.	*
Use care when climbing ladders and blocking valves in.	Discuss in safety meeting in Dec.	*
As of today, there is no completely safe way to inventory seal loops with sulphuric acid. A slip or fall could cause a serious burn.	Discuss in safety meeting. Check sulphuric loops in plant. Safety meeting in Dec.	*
Be sure cylinders are chained.	Discuss in safety meeting in Dec.	*
Protective clothing & goggles are required when working on operating chromatograph ovens.	Check to confirm protective clothing and discuss in safety meeting in Dec.	*
Follow proper procedure when flushing lines.	Discuss in safety meeting in Dec.	*
When working on HCN displacers, drain & flush well before opening.	Discuss in safety meeting & instrumentmen follow preparations. Safety meeting in Dec.	*
When replacing sample valves in analyzer, cut power and allow time to cool, install valve on outside of oven where possible.	Discuss in safety meeting in Dec.	*

<u>Suggestion</u>	<u>Action</u>	<u>Status</u>
Before removing pH electrode in NSI, flush with benzene then water to avoid contact with phenol.	Discuss in safety meeting. Wear protective clothing. Safety meeting in Dec.	*
When working on d/p cells in HCN service, the d/p should be clearly tagged, water flushed and opened under water using plastic gloves.	Discuss in safety meeting. (Use long gloves) (Should use two men when breaking into instruments.) Safety meeting in Dec.	*
Use caution when crossing streets, when stepping on curbs or wet surfaces.	Discuss in safety meeting. (Increase activities in plant.) Safety meeting in Dec.	*

T. Washington

A. J. Bolton

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