PLAINTIFF'S EXHIBIT
MON-1879

IN 10
MCC 950920

Monsanto

FROM (NAME & LOCATION) J. T. Payne, (SS-18), Texas City, Texas

DATE September 26, 1984 cc: G. L. Tromblee O-10

SUBJECT SHAC MINUTES - 9/26/84

REFERENCE

TO :

SHAC Members:

E. P. Bailey	2Z
S. W. Moncla	513D
J. D. Richards	1Z
J. A. Stal, Jr.	OA-11
R. T. Hammann	O-22

These are the minutes of the September 26, 1984, SHAC committee meeting.

Future SHAC Meetings

SHAC meetings have been scheduled for the VIP Conference Room at 1:00 p.m. for the following dates: October 3, 10, 17, 24

Safety and Housekeeping Critique

The annual safety and housekeeping critique was made, and it will be published shortly for comments.

Contractor Safety

The script for the 5-minute contractor safety film is attached for review.

EPP Drill

The scenario for the emergency procedure drill was discussed and is attached. Paul Bailey will discuss the date for the drill with Gene Tromblee.

Shutdown Safety - AN-5 Critique

The AN-5 shutdown critique is attached.

J. T. Payne

JTP:sr
Attachments

SC

000772

LAM001970

SAFETY FILM FOR DRIVE IN VENDORS/CONTRACTORS

Safety at Monsanto is a two-way street.

While the working environment at Monsanto is designed to meet both our plant rules and federal regulations, you, as a ~~contract~~ non-Monsanto employee, are obligated to conform to these safety regulations to ensure maximum safety while you are in the plant. Without your awareness and commitment to safety, all our efforts are in vain.

Therefore, the purpose of this presentation is to familiarize you with our plant procedures and safety regulations so that you can perform ~~your job~~ safely while at Monsanto. This film is intended for those who will be spending only a short time in the plant, such as, truck drivers, vendors, service personnel working on their equipment, visitors, etc.

After viewing this tape once, feel free to ask any follow-up questions or to review the tape again.

Contractor personnel delivering or picking up materials in the plant must have and use appropriate protective equipment consistent with the hazards of the material being transferred and the work procedures of the area being entered. The length of time spent in the plant or type of work performed does not exempt you from wearing necessary personal protective equipment, such as hard hats, safety glasses, sleeves where required, etc. If you have any questions about what equipment is needed in the area you are about to enter, ask the guard. If you do not have the necessary equipment, the guard can loan you what you need; however, it must be returned before you can leave the plant.

Outside the office area the minimum safety equipment requirement in the plant is hard hat and safety glasses.

The next topic of discussion will be the plant fire and spill alarm system. The plant is divided into five different fire zones. Every department in the plant has a designated Instruction Point (IP) where you must go in case of a fire or spill alarm.

When you arrive at your ~~job site~~ destination, find out which fire zone you are ~~working~~ in and the location of the nearest IP, so that if an alarm is sounded you will know, in advance, what to do and where to go.

There are three types of alarms that identify plant emergencies. They are:

1. The fire and spill alarm.

2. Major plant emergency alarm, and

3. Cyanide spill alarm.

The fire and spill alarm is a series of blasts from an air horn. The sequence of blasts identifies first the zone and then the department within that zone.

For example, if there is a fire or spill in Department 53, you will hear a 3-1-1 alarm.

Three blasts...a pause...1 blast...a pause...and then 1 blast.

The 3 blasts identifies the emergency in Zone 3. The 1-1 identifies Department 53.

When you hear the fire and spill alarm, you must stop working immediately, extinguish all spark producing tools or cigarettes, and proceed to the nearest Instruction Point. The Area Warden for your Instruction Point will release you to go back to work when he gets permission from the Control Center or when the all clear sounds.

Not for there people

The all clear signal is a 15-second blast of the work whistle.

The second type of alarm is the ~~Emergency Procedure Plan~~. This alarm signifies a major plant emergency or an emergency originating outside the plant.

The alarm consists of a siren and ~~30~~ repeated short blasts on the spill horns.

If you hear this alarm, report to the nearest Instruction Point immediately.

The third type of alarm is the cyanide spill alarm. This alarm is manually activated by personnel working in plant areas containing cyanide.

At each street corner of every cyanide containing unit there is a blue light and an air horn with a red sign that reads, "HCN ALERT." If the blue light in your area is flashing, leave the area immediately by moving in a crosswind or upwind direction and proceed to the nearest Instruction Point.

There is one other alarm you should be aware of. Every Monday at 1:00 p.m., the plant test alarm is sounded. The alarm code is 1-1-1. This is a weekly test and requires no other action on your part.

The next area of discussion is plant traffic rules. If you are driving in the plant, remember, the speed limit is 15 miles per hour or less. We monitor traffic flow to ensure compliance.

Pedestrians, bicycles, and cranes have the right of way.

Whenever you park your vehicle, leave the keys in the ignition in case it has to be moved in an emergency. And never leave a running vehicle unattended.

If you are driving a vehicle and a fire or spill alarm is sounded, pull the vehicle off the road to allow the passage of any emergency vehicles and shut the engine off.

Unless you are near the emergency and are in personal danger, stay with the vehicle until the all clear is sounded. If you decide you must leave the area, always move in an upwind or crosswind direction.

Finally, remember, a clean plant is important to a good safety program.

Housekeeping is a part of every job and is everyone's responsibility.

Not needed

Each job site must be kept clean and orderly. Trash and scrap must be disposed of in the proper containers. You can clean up as you work, but please be sure <u>your</u> job site is clean at the end of your day.

Also, at the end of each day, put all tools and equipment away.

Securing your job site will contribute to the overall safety at our plant and assure a clean and safe work area for the next group.

Rembmber, at Monsanto...safety is a two-way street. Help us keep it accident-free.

What about smoking

AMMONIA TANK EMERGENCY PROCEDURE DRILL SCENARIO

TEMPERATURE:
WIND: USE REAL WEATHER CONDITIONS
TIME: 1330 HOURS, TENTATIVE DATE OCT 24 or 25
THE AMMONIA TANK HAS WORK CREWS INSPECTING AND REPAIRING WELDS ON THE INSIDE. OUTSIDE, A SUPERVISOR AND AN OPERATOR ARE SWITCHING AMMONIA FEED FROM A BARGE TO THE LINE FROM AMOCO. IN THE PROCESS A PUMP SEAL FAILS, A RELIEF VALVE BLOWS, AND THE AMMONIA FLARE HAS LIQUID COMING OUT OF IT. THE SUPERVISOR, THE OPERATOR, AND TWO CONTRACTORS ARE KNOCKED DOWN AND ARE LYING ON THE GROUND TO THE SOUTH OF THE AMMONIA PUMPS.
OUTSIDE INQUIRIES COME FROM:

TEXAS CITY TERMINAL	GALVESTON CO.
AMOCO DOCK	TACB
CARBIDE DOCK	COAST GUARD
STANTRANS	GCWDA
ARCO DOCK	

INCLUDE - DANFORTH HOSPITAL
LIFE-FLIGHT HELICOPTER SERVICE

AN-5 SHUTDOWN SAFETY CRITIQUE

- POOR CONTRACTOR SAFETY
- 600# STEAM HEADER NOT BLOCKED IN - PIPEFITTERS STARTED REMOVING VALVE (NEAR MISS) - EVEN THOUGH PERMITTED.
- HAD TO COLD CUT EVERY REPAIR IN STEAM SYSTEM FOR PERMIT -- DELAYS AND EXCESSIVE COSTS RESULTED.
- SAFETY REQUIREMENTS GREATER THAN OTHER MONSANTO PLANTS, COMPANIES IN AREA.
- INTAKE OF A/C UNITS FOR TOWERS NEED TO BE AWAY FROM UNIT, POTENTIAL SPILLS.
- NEED SAFETY ENGINEER AROUND-THE-CLOCK, MORE NEEDED DURING PEAK TIMES.
- HAD ONLY 2 SAFETY INSPECTORS FOR 1,000 JOBS AND 600 PEOPLE.
- FEAR OF EXPOSURE/UNREADY EQUIPMENT.
- NEVER SEEN SO MUCH ORGANICS JUST DUMPED TO GROUND OR SEWER.
- TOO MUCH INCONSISTENCY OF SAFETY EQUIPMENT ON SAME JOB BY SUPERIVISION ON SHIFTS OR DAYS.
- DAILY SAFETY MEETINGS - TOO GENERAL - DID NOT COVER SPECIFICS - TALKED ABOUT TURNING IN B/A MASKS, COVERALLS, ETC.
- POOR SAFETY MEETINGS - NOT WORTH HEARING.
- EVERYONE LUCKY TO LIVE THROUGH THAT SHUTDOWN.
- SAFETY WAS NOT WORTH A DAMN. TOO MANY INCIDENTS COVERED UP WITH NOBODY WARNED.
- PEOPLE GIVEN PERMITS, AND SUPERVISION DID NOT LINE UP PEOPLE, OR LOOK OUT FOR THEIR PERSONAL SAFETY.
- TOO MUCH CHEMICAL EXPOSURE AND NO NOTIFICATION OF PEOPLE.
- POOR RIGGING BY UNTRAINED/UNQUALIFIED CRAFTS. SAW PEOPLE STRAIN EQUIPMENT AS WELL AS THEMSELVES. DON'T KNOW HOW TO LET THE RIGS DO THE WORK.
- TOLD THAT EACH NIGHT WE WOULD HAVE SAFETY MEETINGS, AND WE HAD ONE. GOOD INTENTION, BUT NOT REALISTIC.
- NEED SAFETY MAN ON SHIFT AND MORE OF THEM.

- NEED SAFETY (LP&S) SUPERVISION IN FIELD.

- TURN IN SPILL ALARMS, IF ONE OCCURS.

- MORE SAFETY MEETINGS - GIVE FACTS.

- SCAFFOLDING:
  - INFERIOR MATERIALS
  - IMPROPERLY ERECTED
  - IMPROPERLY INSPECTED
  - DELAYED WORK, UNTIL CORRECTIONS MADE - CONTRIBUTED TO ONE ACCIDENT

- MANUFACTURING OBSERVATIONS OF CRAFT SAFETY PERFORMANCE INDICATED NEED FOR STRONGER EMPHASIS ON JOB SAFETY BY MAINTENANCE SUPERVISOR.
  - INFRACTIONS NOTED BY MANUFACTURING SUPERVISOR, OPERATOR SAFETY MAN, 2 INSPECTORS, 2 CONTRACT SAFETY INSPECTORS PASSED ON IN WRITING DAILY TO TO ALL MANUFACTURING/MAINTENANCE SUPERVISORS AND EXECUTION.
  - ONE CONTRACTOR SAFETY INSPECTOR TIED UP FIRST 2 WEEKS ORIENTING NEW EMPLOYEES; MANUFACTURING REQUESTED SECOND CONTRACTOR SAFETY INSPECTOR.

- CYLINDERS:
  - IMPROPERLY SECURED.
  - FLASHBACK PROTECTION FREQUENTLY MISSING
  - SECURING OF CYLINDER TO PROTECT HEAD VALVES INADEQUATE.
  - ACETYLENE CYLINDERS LAYING DOWN.
  - RACK NOT ANTICIPATED FOR JOBSITE.

- OPERATIONS SAFETY MAN (OPERATOR) ON DAYS ONLY
  - CORRECTED SAFETY INFRACTION.
  - HIGHLY EXPERIENCED OPERATOR.
  - VERY SAFETY CONSCIOUS.
  - WORE ORANGE VEST.
  - COULD HAVE USED ONE ON NIGHTS.
  - ANSWERED QUESTIONS.
  - PROVIDED VISIBLE DETERRENTS.

- 5-MINUTE SAFETY MEETINGS:
  - PROVIDED FORM TO HIGHLIGHT SAFETY EMPHASIS.
  - REORIENT FROM HOME TO WORK.
  - A WAY TO MOVE INTO OTHER COMMUNICATION AREAS ABOUT WORK TO BE DONE