

QUARTERLY SAFETY/HOUSEKEEPING INSPECTION AND COMPETITION PROGRAMPRESENT QUARTERLY INSPECTION PROGRAM

A total of 12 zones to be inspected, each by teams of PMSB representatives, SHAC representative, HSC member or designee, and supervisor (not working in inspection zone). Each inspection takes an afternoon (two to four hours). Inspection comments issued with responses expected. In addition, an afternoon (two-hour) plant drive-through inspection is held by G. L. Tromblee and SHAC chairman.

PROPOSED QUARTERLY SAFETY/HOUSEKEEPING INSPECTION AND COMPETITION PROGRAMObjectives

1. To promote competition among similar groups for the purpose of improving overall plant safety and housekeeping.
2. To recognize the best and worst areas in safety/housekeeping performance.
3. To improve quality of quarterly inspections, providing management groups with timely and more consistent measurement of safety and housekeeping status.

Inspection Ratings

- o Each unit, craft area, lab building, office building, and service building will receive an inspection rating.
- o Rating will be based on the quarterly safety and housekeeping inspection tour observations.
- o Rating consistency will be encouraged by developing inspection check lists for each inspection area--unit, craft shop, lab, office, and service building. Checklists to be developed by SHAC and/or unit/craft teams and safety committees.
- o Ratings: Percent rating plus a category.

Excellent (80% to 100%), Satisfactory (60% to 80%), or Unsatisfactory (less than 60%).

Competition Guidelines

- o Units compete with units, and craft shops with craft shops for a quarterly team award. Best award to unit or craft shop with greatest total points ((200 maximum) (fewest injuries (0 to 100 points) and best inspection rating rating (0 to 100 points)). Worst (skunk) award to unit or craft shop with most recordable injuries and worst inspection rating (lowest point total). Worst award to be added as perk in 1983.

- o Qualifications for Quarterly Best Award are a) no recordable injuries in present quarter, and b) the units must have one of the five best injury frequencies in addition to no recordable injuries.
- o Quarterly award is passed on to the new winner (or new loser) each quarter.
- o Annually the unit and craft shop with the best overall safety record/inspection rating is given a permanent plaque.
- o Publicity: Plant News, the plant manager gives award each quarter.

Teams

- o Four members

Units/Craft Shops: PMSB, SHAC, Contact Supervisor, HSC, Safety Inspector

Labs: PTSC, Lab SC, Superintendent/Supervisor (lab or PT), Safety Inspector

Service Buildings: PMSB, SHAC, Contact Supervisor, HSC

Offices: Office Superintendent, OSC, PTSC

- o Three unit inspection teams will tour 13 units (two afternoons each).

One team inspects the five units qualified for best award (no recordables this quarter and best TIF for quarter).

One team inspects the four units not in top group or last group.

One team inspects the four units with either recordable injuries (this quarter) or worst TIF for the quarter. From this group the "worst" is chosen.

- o One craft shop inspection team (one afternoon).
- o One lab inspection team (one afternoon).
- o Two service inspection teams (one afternoon each).

Inspections

- o Unannounced (scheduled last two weeks of quarter).
- o Checklists used to "grade" unit housekeeping and safety procedure compliance.
- o Team meets following inspection to assemble percentage rating for each group.
- o Team will issue inspection report with rating. Must respond with written report to SHAC.
- o SHAC tabulates results to determine "best" and "worst" awards.

Timing

- o First competition to coincide with early September quarterly inspection.
- o August publicity in Plant News, entrance sign, HSC presentation, etc.
- o To be a long-term program with worst award to be added in 1983.

7-16-82

SC

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LAM003285

<u>No. of</u>		<u>Time</u>	<u>Areas Inspected</u>	<u>Awards/Rating*</u>
<u>Inspections</u>		<u>Required</u>		
<u>GROUP I - Manufacturing</u>				
Team 1	5 units	7 hrs.	The 5 units with best total TIF and no RI this quarter.	--SHAC determines best S/H unit from these units. --Units receive inspection rating.
Team 2	4 units	6 hrs.	The 4 units not in Team 1 or 3.	--Units receive inspection rating.
Team 3	4 units	6 hrs.	The 4 units with recordable injuries or the worst total TIF.	--Units receive inspection rating. --SHAC determines worst S/H unit.
<u>GROUP II - Maintenance Shops</u>				
Team 4	8 shops	3 hrs.	Shops: BM, PF, Mach., Paint, Carp., Insul., Elect., and Instr.	--Quarterly award to craft with no RI, best S/H inspection rating. --Inspection rating.
<u>GROUP III - Laboratories</u>				
Team 5	5 labs	3 hrs.	Control lab, Research 1,2,3, Env./IDA lab.	--Inspection rating.
<u>GROUP IV - Services</u>				
Team 6	14 areas	4 hrs.	Stores, Cafe., Disp., Warehouses A,B,C, F,G West Gate, Main Gate Locker Bldg., Safety Supply, Fire Sta., CED Warehouse, MMTS Lab.	--Inspection rating.
<u>GROUP V - Offices</u>				
Team 7	5 buildings	3 hrs.	Offices: Main, Annex, Personnel, CED, HDPE, Zone 1, Zone 2/5, Capital Projects, Application	--Inspection rating.
<u>GROUP VI</u>				
Team 8	Total Plant	2 hrs.	Peripheral plant (N68, etc.).	--Inspection rating (PM or PMSB opinion).

TABLE 1

SAFETY PERFORMANCE RATING GUIDE

Maximum Points: 100

100	-	No recordables, no injuries	
90	-	No recordables	TIF < <u>10.0</u>
80	-	No recordables	TIF < <u>20.0</u>
70	-	No recordables	TIF < <u>30.0</u>
60	-	No recordables	TIF < <u>40.0</u>
50	-	No recordables	TIF > <u>40.0</u>
40	-	One recordable	TIF < <u>20.0</u>
30	-	One recordable	TIF < <u>30.0</u>
20	-	One recordable	TIF < <u>40.0</u>
10	-	One recordable	TIF > <u>40.0</u>
0	-	More than one recordable	

HOUSEKEEPING SCORE SHEET

SAFETY

Unit/Shop _____

Date _____ Inspectors _____

<u>PERSONAL KNOWLEDGE OF</u>	<u>GOOD</u>	<u>POOR</u>	<u>COMMENTS</u>
Assembly Points	_____	_____	_____
Nearest Shower/Eye Bath/ Extinguisher	_____	_____	_____
Main Disconnects/Shutoffs	_____	_____	_____
Safety Procedures	_____	_____	_____
Safety Log Book	_____	_____	_____
Emergency S/D Action Required	_____	_____	_____
<u>PERSONAL SAFETY EQUIPMENT</u>			
Safety Glasses/Goggles	_____	_____	_____
Hard Hats	_____	_____	_____
Acid Hoods/Face Shields	_____	_____	_____
Scott Air Packs	_____	_____	_____
Vapor Proof Suits	_____	_____	_____
Breathing Air Respirators/Hoses	_____	_____	_____
Chemical/Dust Respirators	_____	_____	_____
Safety Shoes	_____	_____	_____
<u>CONDITION OF SAFETY EQUIPMENT</u>			
Safety Showers/Eye Baths	_____	_____	_____
Breathing Air Manifolds	_____	_____	_____
Fire Extinguishers	_____	_____	_____
Ladders	_____	_____	_____
Hoses--Utility/Chemical	_____	_____	_____
Deluge Systems	_____	_____	_____
Safety Signs	_____	_____	_____
Car Seals on RV Valves	_____	_____	_____
<u>SAFETY HAZARDS</u>			
Missing Handrails/Toeboards	_____	_____	_____
Wet/Slippery Floors	_____	_____	_____
Unchained Gas Cylinders	_____	_____	_____
Blocked Safety Equipment	_____	_____	_____
Unguarded Rotating Equipment	_____	_____	_____
Spliced Electrical Cord(s)	_____	_____	_____
Uneven Surfaces	_____	_____	_____

Based on safety evaluation unit/craft will receive a rating from 0-20 with 20 being the highest rating.

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STATUS OF SHAC ACTIVITIES

PMSB REPORT - July 21, 1982

Hourly Safety Committee

--Attendance was seven of nine members.

--HSC commented on and made suggestions on ways to promote safety/housekeeping competition between areas in the plant.

--Plantwide concerns:

See minutes.

Second Quarter Safety/Housekeeping Inspections

--No improvement seen in plant appearance.

--Plantwide concerns:

- o Hose inspections continue to be out of date, especially steam hoses. Following new hose bulletin issue SHAC will issue inspection reminder each six months.
- o Ladders of non-standard design (designed for narrow tank entry) were found throughout the plant. New procedure will recognize them but require inspection tag.
- o Safety signs (especially eyebath/safety shower) are faded and not legible. Will investigate purchase of more durable signs and request PMSB to initiate sign replacement.

Safety Shower/Eyebath Standards

--See attached memo.

1982 Texas City Plant Safety/Housekeeping Inspection

Ground Rules:

- Inhouse audit
- Visible results
- Thorough inspection

Recommendations:

- Pattern inspection after previous annual inspections.
- Inspectors must be highly qualified and credible, respected.
- Prefer inspectors with varied backgrounds and Texas City experience.
- Team membership:

General Supt - Manufacturing
Superintendent - PT
Superintendent - Mfg. or Maint.
Supervisor - Manufacturing
Safety Representative

- Three day inspection (M-T-W).
- Presentation to PM staff Friday.
- Results publicized to expanded staff, plectron announcement, and newspaper article.
- Early October inspection.

Proposed "Safety/Housekeeping Inspection and Competition"

- See PMSB mailout.

Portable Building Survey

- See attached table of portable building survey results.

Monsanto

FROM (NAME & LOCATION) D. D. Kos - O-11

DATE June 30, 1982

cc. G. L. Tromblee
SHAC

SUBJECT Texas City Plant
Safety Shower/Eyebath Standards

REFERENCE

TO SAC

The Texas City plant is in need of up-to-date safety shower and eyebath installation standards. The present standard is hopelessly outdated, is not presently used in new installation design, and does not address the ANSI standard Z358.1-198. The 1981 SHAC committee addressed this problem in late 1981 when new ANSI standards were issued. Their findings and recommendations are covered in the attached memo to the 1982 SHAC committee.

1982 SHAC has reviewed the ANSI standards, LP&S concerns, the 1981 SHAC findings, and the state of the existing plant installations. With this in mind the following is recommended:

1. Texas City plant standards be established for new installations of eye-baths/safety showers. This should include a plant engineering sketch with appropriate piping and fittings specified.

2. The above new installation specifications should include:

- a. Dual Eyebaths

This is an ANSI standard and is likely to become an OSHA requirement in the near future. A significant improvement in eye protection is bought with this addition.

- b. Freeze Protection Tubing

This is strictly a safety concern requiring showers to be outfitted with tubing which routes water away from the shower area in order to prevent ice hazard. Many units and areas now have this feature.

- c. Green Lights and Signs

This is a continuation of the present practice of using green lights and signs to designate the location of eyebaths/safety showers. 1982 SHAC could not justify any change in this practice.

- d. Alarms

This should be decided in the LP&S review of each new project and should be based solely upon the justification on a case-by-case basis.

- e. Combined Eyebath/Safety Showers

Both eyebath and safety showers are recommended for all future installations.

June 30, 1982

3. The existing plant installations should be retrofitted to meet the new standards in the following areas:

a. Dual Eyebaths

Retrofitting to be complete by the end of 1983. Estimated plant cost is \$80k (400 eyebaths at 200/bath).

b. Freeze Protection Tubing

As a minimum installation a manually activated drain system should be provided by the end of 1984. Estimated plant cost is \$75k (300 showers and/or eyebaths at \$250/shower).

These recommendations are offered in spite of present economic restraints because these improvements are believed to result in a justifiable reduction in risk and extent of injury.



D. D. Kos
for SHAC