

PLANT MANAGER'S SAFETY BOARD

MINUTES OF MEETING

NOVEMBER 19, 1980

Present were:

C.M. Cruse	Bill Napier for B.C. Lancaster	G.T. Ryan
G.A. Danner	C.M. McCullough	J.G. Trafton
G.W. Daues	D.W. Matten	G.L. Tromblee
J.A. Glass	C.F. Navarrete	
D.E. Kaldenberg	M.L. Owens	

I. REVIEW OF STATISTICS--J.A. GlassA. Texas City Plant Safety Performance Summary - October 1980

	<u>1979</u>		<u>1980</u>		<u>1980</u>
	<u>OCT</u>	<u>YTD</u>	<u>OCT</u>	<u>YTD</u>	<u>TARGETS</u>
TOTAL INJURY CASES	12	177	23	200	—
RECORDABLE CASES					
(A) WITHOUT LOST WORKDAYS (medical treatment only)	0	16	2	9	19
(B) LOST WORKDAYS	0	2	0	2	3
**B ₁ RESTRICTED ACTIVITY	0	1	0	0	—
**B ₂ DAYS AWAY FROM WORK	0	1	0	2	—
(C) FATALITIES	0	0	0	0	—
*TOTAL RECORDABLE CASES	<u>0</u>	<u>18</u>	<u>2</u>	<u>11</u>	<u>22</u>
*A+B+C = TOTAL RECORDABLE INJURIES					
**B ₁ +B ₂ = (B) TOTAL LOST WORKDAY CASES					

INJURY RATES PER 200,000 MANHOURS

	<u>1979</u>		<u>1980</u>		<u>1980</u>	<u>YTD</u>	
	<u>MTD</u>	<u>YTD</u>	<u>MTD</u>	<u>YTD</u>	<u>TARGETS</u>	<u>MCIC</u>	
						<u>TARGET</u>	<u>YTD</u>
TOTAL INJURY - TIR	7.70	12.25	14.41	13.76	—	—	—
TOTAL RECORDABLE - TRR	0.00	1.25	1.25	0.76	1.26	1.94	1.53
TOTAL LOST WORKDAY - TLWR	0.00	0.14	0.00	0.14	0.40	0.58	0.36
DAYS-AWAY-FROM-WORK - DAWR	0.00	0.07	0.00	0.14	—	—	0.27

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B. Comments on Statistics

We experienced two Recordable Injuries in October. An Instrument employee fractured his left little finger when it was caught between a regulator and a piece of pipe. A machinist received a laceration, requiring several stitches, when struck by a "lathe dog" while drilling a piece of plastic pipe. There were twenty-three Total Injuries.

Over half of the injuries last month were to the hand and arm which indicates that we need to place special emphasis in this area. It is recommended that the topics of "Material Handling", "Tool Safety" and "Equipment Operation" be addressed in our departmental safety meetings, day-to-day activities and safety surveys.

It would also appear timely to address the accident type Slips and Falls due to the upcoming cold and wet weather. This will help increase each employee's safety awareness and improve plant-wide safety performance.

C. Units and Groups with Rising Trendlines

Carpenters, Power 2, Truckers and Laborers all having rising trend lines since early this year. Sharply rising, but still within the control limits, are the electricians.

It is noteworthy that both operators and all maintenance show rising trend lines since April.

D. Contractor Safety--C.M. McCullough

Total contractor safety results are improving. However, total injury rates of Capital Projects contractors are slightly higher than last year. Monthly summaries and year-to-date figures are attached.

E. CED Project Safety--Bill Napier

Bill reported that they now had stickers that they used to indicate when contract workers had had their safety orientation.

Bill also reported on the cable tray incident and a broken toe incident.

Following a discussion of the scaffold incident which had ended in a court award, the Plant Manager asked Arnold Glass to review this incident and the problems in investigation of accidents and injuries that occur to contract personnel with the St. Louis Attorney, Bill Blase (this has been done).

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II. REPORT OF THE SAFETY ADVISORY COMMITTEE (SAC)—G.W. DauesA. EPP Procedure

Recently, Tom Ryan and Arnold Glass described the duties and procedures to be used in the EPP Control Center. This information was distributed to all exempt employees. SAC recommends it be incorporated into the Emergency Procedure Plan Section I. Consideration should be given to distributing to non-exempt and perhaps hourly employees. The PMSB agreed and requested that we train Night Superintendents/Shift Supervisors on how to operate the EPP console.

B. EPP Drill Plans

Arnold Glass reviewed the outline of the EPP drill planned for next month. SAC concurs that the plan is very good and much needed.

C. Employee Training

A problem with updating safety training was discussed. SAC feels that several training programs used in the past are still effective and should be updated, if necessary, and distributed by LP&S to line supervision for use in monthly meetings. Also, certain programs could be used for the S-T-A-R-T Program. LP&S will distribute training materials on special programs "through the line".

D. Breathing Air System

It was brought to the attention of SAC that problems continue to occur with our plant breathing air system. SAC recommends that Engineering should give higher priority to the study of this system according to the guidelines issued by G.L. Tromblee last month. This has been done. Target for AR: to be sent to St. Louis by December 15, 1980.

E. Telephone Problems

Emergency and effective use of telephones, problems with our telephone system for emergency reporting and false alarms were discussed. SAC recommends that this subject should be studied by the Office Safety Committee to obtain recommendations for the PMSB. MISD will determine needs and recommend actions for false alarms. OSC will review other needs and respond to LP&S (Bob Hammann) for presentation/review with SHAC/PMSB.

F. Fire, Entry and Special Permits

Revisions to P-0017 on fire, entry and special permits, as suggested by Bob Hammann, were reviewed and after minor changes will be recommended to the PMSB.

G. 1980 Annual Inspection Recommendation

The inspection team requested we review the current practice in the Texas city plant with regard to work permits. SAC's recommendation that the use of all work permits be on a unit-option basis was accepted by the PMSB and approved on July 23, 1980. Reconsideration of this recommendation was given and it is the consensus of SAC members that the PMSB decision of July 23, 1980 stand. PMSB agreed.

H. Face Shields

A survey by LP&S of the use of face shields in the TC plant was reviewed by SAC and the recommendations from this survey were approved by SAC with minor modifications. LP&S will review these recommendations with line supervision prior to the November PMSB meeting.

I. Superhazardous Materials

At the October PMSB meeting, the Board approved a 1979 recommendation that intradepartmental identification and safety markings of equipment and piping containing superhazardous materials be determined by those in each unit and not be an across-plant procedure. A P-procedure on this subject which was never issued is still being reviewed by SAC.

III. REPORT OF THE SAFETY AND HOUSEKEEPING ACTION COMMITTEE (SHAC)—C.M. Cruse

A. 1980 Safety and Housekeeping Inspection--Refer to memo MCI Annual Inspection 1980, from J.A.G. to PMSB and SHAC. Target dates for completion to be established--J.A. Glass

The memorandum regarding the MCI Annual Inspection was passed out and will be reviewed at the next meeting.

One item in this list, being worked on by SHAC, concerned the recommendation about continuation of the ladder inspection program. SHAC recommends a return to "inspect-before-use" and monthly inspections with heavy emphasis on individual responsibility. This will be reviewed in some detail at the next SAC meeting.

Another item being considered by SHAC was emergency tie-down material. This item came up as a result of the eye injury which occurred from the use of wire in tying down loose scaffold boards. SHAC recommends no change in the present material being used. The PMSB recommended that SHAC get suggestions from the carpenter craft for better techniques in how to use the wire safely. Overall emphasis in avoiding accidents and injuries in the use of wire will require education of the persons using the material.

B. Status of AVIP(SHAC)—C.M. Cruse

SHAC reports that at the time of the meeting, the Vessel Inspection Program was 95% on target and expects to be higher, possibly up to 97%, by year end.

C. Status of S-T-A-R-T Safety Program--C.M. Cruse

The second session is well along. All Maintenance is now complete. The third session will begin early in December.

D. Hourly Safety Committee Items--C.M. Cruse

Individual bicycles have been issued to members of the Hourly Safety Committee. The Hourly Safety Committee is actively working on a list of items on their agenda. They expect to submit a report of the hierarchy of lock-out at the next meeting of this group.

IV. STATUS OF LOSS INCIDENT REPORTS, OCTOBER 1980--R.T. Hammann/J.A. Glass

DELINQUENT

<u>Incident Date</u>	<u>Location</u>	<u>Incident</u>
8/28/80	Dept. 27	Overheating of LN Rundown Tank, 27T5-1

OUTSTANDING

None

CURRENT INCIDENTS DISCUSSED

<u>Incident Date</u>	<u>Location</u>	<u>Incident</u>
11/4/80	Dept. 51	Air machine turbine damage in AN-5

V. S&PP FOLLOW-UP--J.A. Glass

Responses have been received from all superintendents, except one. He has promised to submit his response by December 1. An updated status of the S&PP survey is expected to be issued by the next PMSB meeting.

VI. STATUS OF THE BREATHING AIR SYSTEM PROJECT--G.T. Ryan

The breathing air project is reviewing a number of alternates and is expected to have an AR prepared to be sent to St. Louis by mid December.

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VII. REVIEW OF INCIDENTSMonsanto Incidents

<u>Date</u>	<u>Incident No.</u>	<u>Description</u>
10/8/80	80-47	HCN exposure to chest and shoulder while installing fitting for N ₂ connection; Dept. 25 (M. Sweeney)
8/28/80	80-48	Near Miss--Product LN tank overheated; Dept. 19 (M. Sweeney)
9/9/80	80-49	Near Miss--ACY contact to man's legs while flushing ACY product pump; Dept. 29 (M. Sweeney)

Contractor Incidents

<u>Date</u>	<u>Incident No.</u>	<u>Description</u>
9/23/80	C-39	Spill of hydrolyzer bottoms waste material while transferring to tank truck; Dept. 19 (G. Orum)
10/27/80	C-40	Crescent electrician sprained ankle while working on cold box in methanol/syn gas unit; (Ben Bennett)
10/31/80	C-41	Man fell 14 feet while dismantling scaffold and fractured foot; Dept. 44 (C. Mata)
10/22/80	C-42	Man slipped and fell 8 feet off scaffold fracturing shoulder; Carpenter Shop (W. Bridenbaugh)
11/7/80	C-43	Deliveryman sustained cut under chin while unloading machinery; East of Dept. 16 (Davidson/McRae/West)

VIII. EMERGENCY PROCEDURE PLANA. EPP Control Center Operating Procedures

These appear to be operating smoothly in the first trial we've had since they were set out.

B. Status of Communications Alternatives--Bostick/Kraitchar

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These are still being reviewed. Changes in the fire code pick up by the guard are being considered. Other alternatives under review are to install a console at the Main Gate.

C. EPP Drill Items

1. Communications Check
2. Radio Station Contact
3. Newspaper Contact
4. City Mayor/Fire/Police Contact
5. Headcount
6. Walk-thru (Instructions from Control Center)

Arnold

J. Arnold Glass

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TOTAL PLANT CONTRACTOR SAFETY

	<u>1980 YTD</u>	<u>Oct. '80</u>	<u>1979 Totals</u>
TOTAL INJURY CASES	70	15	116
RECORDABLE CASES	10	3	20
LOST WORK DAY CASES	0	0	0
DAYS AWAY CASES	2	1	5
TOTAL MANHOURS WORKED (MHW)	416,020	84,940	381,364
FREQUENCY RATES/200,000 MHW			
TOTAL INJURY RATE	33.6	35.3	60.8
TOTAL RECORDABLE INJURY RATE	4.8	7.0	10.4
TOTAL LOST WORKDAY RATE	0	0	0
TOTAL DAYS AWAY RATE	.9	2.3	2.6

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CAPITAL PROJECTS CONTRACTORS

	<u>1980 YTD</u>	<u>Oct. '80</u>	<u>1979 Totals</u>
<u>TOTAL INJURY CASES</u>	38	5	23
<u>RECORDABLE CASES</u>	5	1	5
<u>LOST WORK DAY CASES</u>	0	0	0
<u>DAYS AWAY CASES</u>	1	1	1
<u>TOTAL MANHOURS WORKED (MHW)</u>	190,288	29,240	134,940
<u>FREQUENCY RATES/200,000 MHW</u>			
<u>TOTAL INJURY RATE</u>	39.9	34.1	34
<u>TOTAL RECORDABLE INJURY RATE</u>	5.2	6.8	7.4
<u>TOTAL LOST WORKDAY RATE</u>	0	0	0
<u>TOTAL DAYS AWAY RATE</u>	6.8 1.0	6.8	1.4

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CED CONSTRUCTION

TEXAS CITY PLANT

ACCIDENT STATISTICS

	OCT. <u>1980</u>	YTD AS OF <u>11-1-80</u>
<u>TOTAL INJURY CASES</u>	13	88
<u>RECORDABLE CASES</u>		
(a) Without Lost Workdays (Medical Treatment Only)	1	5
(b) Lost Workdays	1	8
1. Restricted Activity	0	0
2. Days Away From Work	1	8
(c) Fatalities	<u>0</u>	<u>0</u>
<u>Total Recordable Cases</u>	2	13
Total Manhours Worked (MHW)	34,520	182,375
Frequency Rates/200,000 MHW		
Total Injury Rate	75.3	96.5
Total Recordable Rate	11.6	14.3
Total Lost Workday Rate	2.9	8.8
Total Days Away From Work Rate	2.9	8.8

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CED CONSTRUCTION

TEXAS CITY PLANT

ACCIDENT STATISTICS

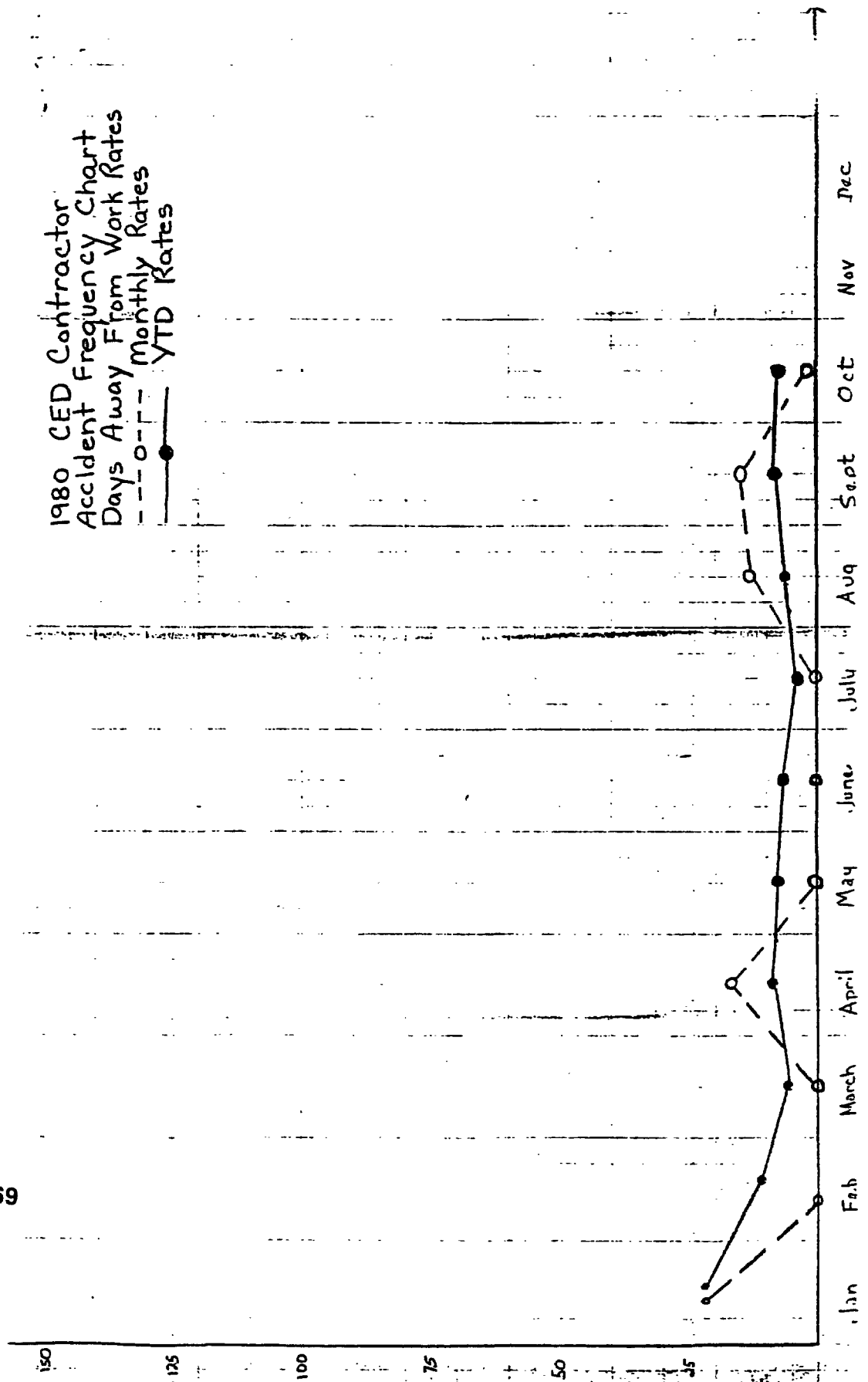
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<u>RECORDABLE CASES</u>		
(a) Without Lost Workdays (Medical Treatment Only)	1	5
(b) Lost Workdays	1	8
1. Restricted Activity	0	0
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(c) Fatalities	<u>0</u>	<u>0</u>
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Total Manhours Worked (MHW)	34,520	182,375
Frequency Rates/200,000 MHW		
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Total Recordable Rate	11.6	14.3
Total Lost Workday Rate	2.9	8.8
Total Days Away From Work Rate	2.9	8.8

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1980 CED Contractor
 Accident Frequency Chart
 Days Away From Work Rates
 ---o--- Monthly Rates
 —●— YTD Rates



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