

PLANT MANAGER'S SAFETY BOARD
MINUTES OF MEETING
NOVEMBER 1982

Present were:

G.A. Danner	C.F. Navarrete
G.W. Daues	M.L. Owens
D.E. Kaldenberg	S.G. Pappas
B.C. Lancaster	G.T. Ryan
D.D. Kos	J.G. Trafton
C.M. McCullough	G.L. Tromblee
H.L. Schroeder for D.W. Metten	J.A. Glass
L. Schwab	R.T. Hammann

I. REVIEW OF STATISTICS—R.T. Hammann

A. Texas City Plant Safety Performance Summary - September/October 1982

	1981		1982		1982
	SEP	YTD	SEP	YTD	TARGETS
(A) WITHOUT LOST WORKDAYS (medical treatment only)	2	15	1	10	11
(B) LOST WORKDAYS	0	6	1	5	2
**B ₁ RESTRICTED ACTIVITY	0	0	0	0	—
**B ₂ DAYS-AWAY-FROM-WORK	0	6	1	5	—
(C) FATALITIES	0	0	0	0	—
*TOTAL RECORDABLE CASES	<u>2</u>	<u>21</u>	<u>2</u>	<u>15</u>	<u>13</u>

INJURY RATES PER 200,000 MANHOURS

	1981		1982		1982	YTD 1982 MCIC	
	SEP	YTD	SEP	YTD	TARGETS	TARGET	YTD
TOTAL INJURY - TIR	18.53	15.42	12.26	9.76	—	—	—
TOTAL RECORDABLE - TRR	1.37	1.65	1.44	1.17	0.75	1.45	1.17
TOTAL LOST WORKDAY - TLWR	0.00	0.47	0.72	0.39	0.12	—	0.38
DAYS-AWAY-FROM-WORK - DAWR	0.00	0.47	0.72	0.39	—	—	0.30

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	1981		1982		1982
	OCT	YTD	OCT	YTD	TARGETS
(A) WITHOUT LOST WORKDAYS (medical treatment only)	1	16	1	11	11
(B) LOST WORKDAYS	0	6	0	5	2
**B ₁ RESTRICTED ACTIVITY	0	0	0	0	—
**B ₂ DAYS AWAY FROM WORK	0	6	0	5	—
(C) FATALITIES	0	0	0	0	—
*TOTAL RECORDABLE CASES	<u>1</u>	<u>22</u>	<u>1</u>	<u>16</u>	<u>13</u>

INJURY RATES PER 200,000 MANHOURS

	1981		1982		1982	YTD 1982 MCIC	
	OCT	YTD	OCT	YTD	TARGETS	TARGET	YTD
TOTAL INJURY - TIR	14.76	15.35	12.79	10.11	—	—	—
TOTAL RECORDABLE - TRR	0.64	1.54	0.71	1.13	0.75	1.45	1.21
TOTAL LOST WORKDAY - TLWR	0.00	0.42	0.00	0.35	0.12	—	0.38
DAYS-AWAY-FROM-WORK - DAWR	0.00	0.42	0.00	0.35	—	—	0.31

B. Comments on Statistics

There were two Recordable Injuries in September, one of which was a Days-Away-From-Work case. An ironworker suffered a severe sprain when his foot was caught between the pavement and the underside of a filter case. In October there was one Recordable Injury in which a janitor suffered a broken bone in the hand when it was caught in the cord of a moving buffer. In addition, there have been two Recordable Injuries in November, both of which are a result of burns suffered by operating engineers when using steamerettes.

The following groups showed a rising trend line for injuries: Departments 19/25/27/29, 44/45/46, 50, Carpenters, Insulators, and Analysts.

These groups show excellent safety performance with achievements better than target: Departments 53, 33, 48/56, Stores, and Instruments. The Instrument Department had gone a year without injury until they had a First Aid case in November.

C. Contractor Safety--C.M. McCullough

Total injury rate for the year is down although the recordable rate is higher than last year. Seem to have reached plateau right now and

are presently looking for ways to make the next downward step change. Opel supervisors are presently taking the STOP Program along with Monsanto personnel. Detailed plant contractor statistics are attached.

D. CED Project Safety--B.C. Lancaster

Had one Recordable Injury in September and one in October. Total injury rate is significantly improved from last year and some improvement is also shown in total recordable rate and total lost work day rate. CED construction accident statistics are attached.

II. REPORT OF THE SAFETY ADVISORY COMMITTEE (SAC)--C. F. Navarrete

A. Sample Storage Policy

SAC reviewed policy statement proposed by SHAC on this subject for the "Guide to Accident Prevention" booklet. SAC supports the basic concept and proposes a change in wording so that the policy will apply to all hazardous materials. Further review in SHAC report.

B. Extension Ladder Ring Securement

SAC supports the method proposed by SHAC. Review in SHAC report.

C. Manlift Rules

SAC supports the team's (Riddle, Glass, H. Jackson) recommended procedures. An abbreviated form of the attached recommendation was approved for inclusion in the "Guide to Accident Prevention".

D. Safety Showering

SAC approved proposed policy statement with minor revisions. Statement will be included in the "Guide to Accident Prevention". Purchase of wrap-around robes for distribution to areas and labs will begin shortly. After these robes are received a SHAC Alert will be published. Storage of the robes will be left up to the area using them. Training aids with plantwide applicability will be developed by Glass/Steele.

E. 1982 S&PP Survey Recommendations

82-2 Emergency Shutdown/Standby Procedures: Superintendents (Manufacturing, Lab, Cafeteria, etc.) to survey their areas to determine:

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- a) what procedures are available;
- b) what degree of preparation exists particularly at the chief level;
- c) what needs exist to develop formal procedures.

A report/discussion on these findings will be held during the January PMSB meeting.

82-4 Metal Hard Hats: SAC supports the recommendation of S&PP to phase out metal hats even for crafts and groups where metal hats do not present an obvious recognized hazard. Metal hats are no longer carried in Safety Supply. Although it is not mandatory that individuals replace metal hard hats, PMSB members are asked to encourage those in their organizations that still use metal hats to replace them.

NOTE: It was mentioned that hard hats are available which have headbands with much easier means of adjustment. LP&S will look into this.

82-6 Tank Valve Blind Flanges: SAC supports the recommendation as written which is applicable to:

- a) tank bottom valves;
- b) where leak or valve failure could cause hazardous condition or serious environmental exposure;
- c) large storage tanks where there is very little surveillance.

Tank owners should survey their areas and report compliance/exceptions to PMSB in December.

III. REPORT OF THE PLANT SAFETY AND HOUSEKEEPING ACTION COMMITTEE (SHAC)-- D. D. Kos

A. Hourly Safety Committee

Seven of eight members in attendance. Greg Davies talked about STOP training plans for Chief Operators and Leadmen. Dust exposure in insulator shop concern was answered. No evidence of health hazard. Will be addressed as a work nuisance by Ed Crow and Howard Jackson. Fitness publicity planned for December.

B. Ladder Securement

SHAC recommended the following policy to SAC:

All extension ladders are to be secured with No. 16 gauge wire or plastic ties (30" MCC #042904) on both ends of the

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rungs at the level of the latches. When taking down the ladder it should be untied at the top first and at the rungs while progressing down the ladder.

This policy is approved by PMSB and will be publicized by bulletin board announcement and unit/craft safety team promotion.

C. Sample Storage in Offices

The following policy statement was approved by PMSB and will be included in the "Guide for Accident Prevention":

All sample or other material containers which contain hazardous (flammable, corrosive, or toxic) or unidentified materials may not be stored in any office area. All samples are to be stored in a lab or a designated controlled storage area. Chemicals which are required for office tasks (copy and blueprint machines) are acceptable if labeled and stored in proper containers.

D. General Permit

Discussion appears later in report.

E. Eating in the Field

An audit was conducted by Leonard Schwab and J. D. Stone of SHAC. Documented results of this audit and proposed policy statement were presented to PMSB for discussion by Leonard. A very general statement will appear in the new "Monsanto Guide to Accident Prevention".

The feeling was that this policy should be conveyed to all personnel in the plant. Possible means of doing this are:

1. A detailed question and answer article in the plant newspaper.
2. A bulletin board announcement for permanent posting.
3. Procedure bulletin.

SHAC will look into the matter further and propose a means for conveying this policy to plant personnel.

F. Quarterly Safety/Housekeeping Inspection and Competition Program

The quarterly inspection and competition program was approved in the September PMBS meeting for initiation in December 1982. SHAC expressed a concern that the timing was now inappropriate in light of the following:

1. Reduced unit and management staffing following retirements.
2. A general feeling of complacency that may exist toward another

award competition following the annual inspection awards in early November.

3. Many units will be shut down and destaffed or be in a start-up phase during this period.

SHAC's recommendation that the initial quarterly inspection with competition be delayed until March 1983 with publicity in January/February was approved by PMSB. The fourth quarter inspection will be delayed until the first two week of January on PMSB recommendation and will follow the same format as previous quarterly inspections.

IV. PROCEDURE BULLETINS--R.T. Hammann

A. Fire, Entry, and Special Permit Procedure--P-0117

After discussion the final major items were resolved. This procedure bulletin with approved modifications will be signed and issued.

B. General Permit Procedure

Much discussion followed on the General Permit Procedure. After the proposed changes have been made, this procedure will be circulated to appropriate personnel for review prior to obtaining approval signatures and issuing.

V. REVIEW OF INCIDENTS

Incident Reports will no longer be circulated to other Monsanto locations. This may be continued at a future date when organizational changes have been completed.

All Contractor Injury Reports and those Monsanto reports deemed necessary by LP&S will be reviewed by Personnel.

Monsanto Incidents

<u>Date</u>	<u>Incident No.</u>	<u>Description</u>
9/24/82	82-28 (issued)	Recordable Injury-Days-Away-From-Work--Dept. 77; Ironworker caught heel between street and underside of filter cart; sprained ankle. (Richards)
9/14/82	82-29 (issued)	Recordable Injury--Power 2; Operator cut right index finger while opening a plug valve requiring 4 sutures. (Orum)

10/14/82	82-30 (issued)	Near Miss--Dept. 16; 650 lb. steam line fell over; no injuries. (Carlisle)
10/21/82	82-31 (issued)	Spill--Dept. 14; benzene spill; plantwide alarm sounded; no injuries. (Cruse)

Contractor Incidents

9/08/82	C-82-18 (issued)	Fall, ground level--Southwestern Bell; Dept. 77 Warehouse project; PA loading rack. (Stone)
10/12/82	C-82-19 (not issued)	Opel Pipefitter; Dept. 15; carrying piece of pipe causing muscle strain to neck. (Spencer)
10/26/82	C-82-20 (not issued)	Recordable Injury--Crescent Electric; Dept. 33; removing section of cable tray, hit in mouth breaking tooth. (Supak)

VI. STATUS OF S-T-O-P PROGRAM--G. W. Daues

We are currently in the last session (Unit VIII) of training. Not much progress has been made on the Chiefs/Leadmen course. This will be delayed for implementation in January.

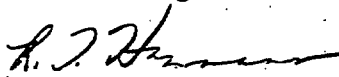
The amount of STOP observation cards turned in in November has decreased from previous months partly because of an increase in personnel on vacation. Gene mentioned that STOP observation cards will be a part of next year's goals.

VII. JANUARY ACCIDENT SYNDROME

The last five or six years at our plant over 20% of our Recordable Injuries have occurred in January/February. PMSB members reported on actions they and their personnel were taking to improve awareness and have a positive impact on this statistic.

VIII. PLANT MANAGER'S COMMENTS

Gene was pleased by the concern shown by PMSB members--several returned from vacation to be present at this meeting. We are presently "walking on egg shells" with the state of the economy, headcount, loss of key personnel to retirement, and temporary shutdown of some units. This is a time when we all need to keep our awareness up and make a special effort to keep accidents and incidents from occurring.


R.T. Hammann

TOTAL PLANT CONTRACTOR SAFETY

	<u>1982 YTD</u>	<u>Oct. '82</u>	<u>1981 Totals</u>
<u>TOTAL INJURY CASES</u>	48	6	70
<u>RECORDABLE CASES</u>	13	2	12
<u>LOST WORK DAY CASES</u>			
<u>DAYS AWAY CASES</u>	3	1	5
<u>TOTAL MANHOURS WORKED (MHW)</u>	441,309.75	66,616.75	521,991
<u>FREQUENCY RATES/200,000 MHW</u>			
<u>TOTAL INJURY RATE</u>	21.8	18.0	26.8
<u>TOTAL RECORDABLE INJURY RATE</u>	5.9	6.0	4.5
<u>TOTAL LOST WORKDAY RATE</u>			
<u>TOTAL DAYS AWAY RATE</u>	1.4	3.0	1.9

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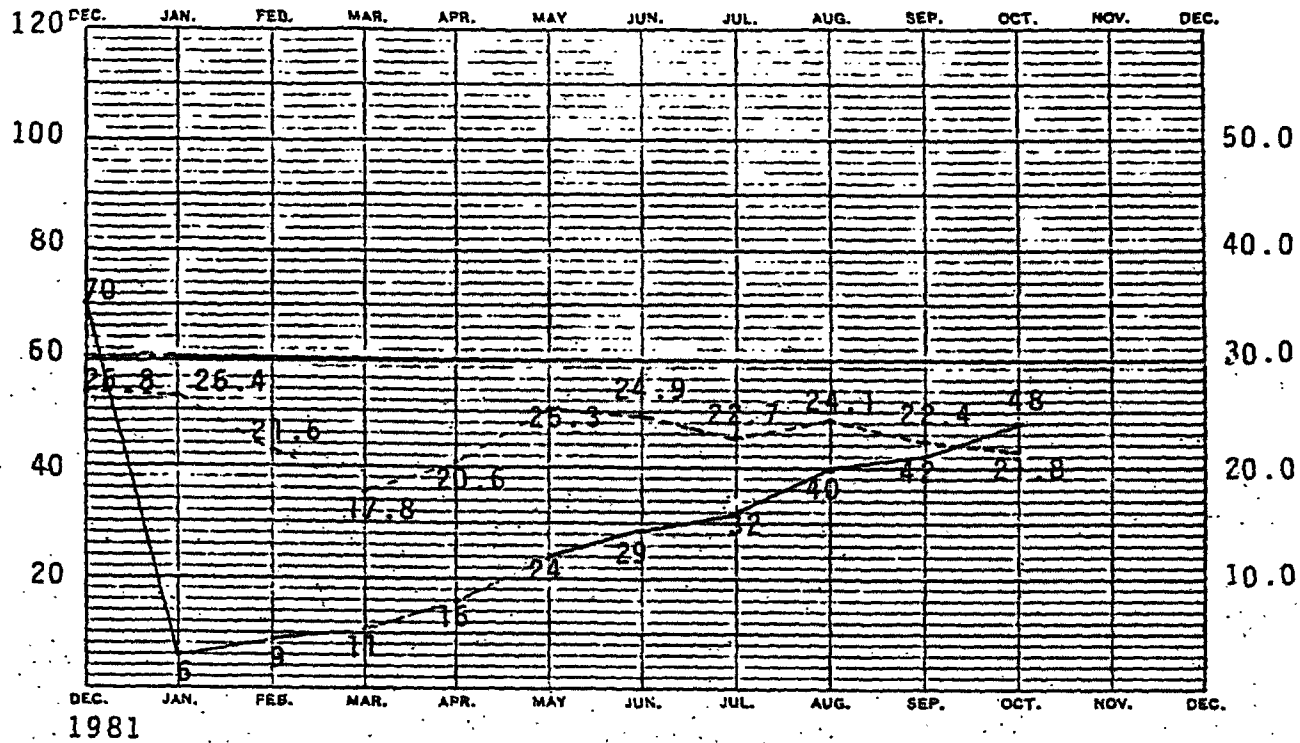
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1982 SAFETY - TOTAL CONTRACTORS

----- Total Injuries
----- Total Injury Rate

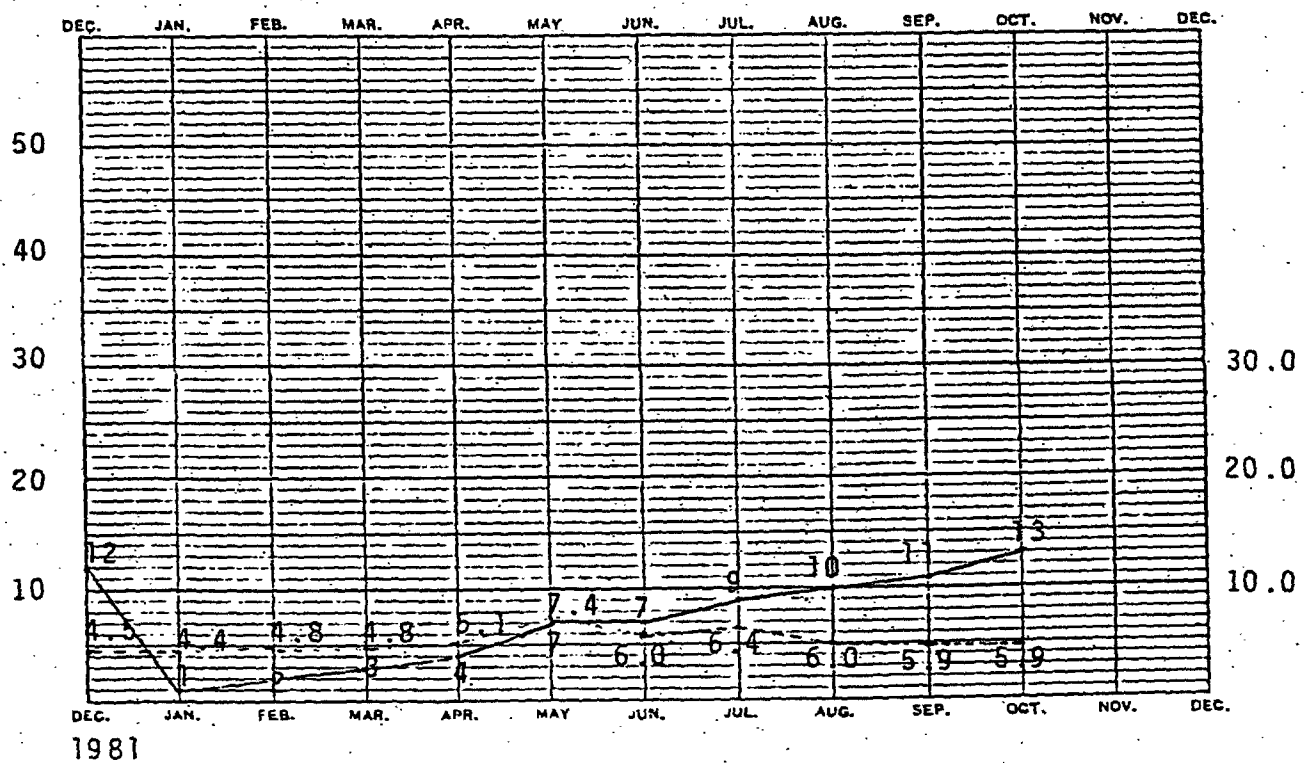
Cummulative Injuries



Cummulative TIR

----- Recordable Injuries
----- Recordable Injury Rate

Cummulative Recordable Injuries



Cummulative RIR

CAPITAL PROJECTS CONTRACTORS

	<u>1982 YTD</u>	<u>Oct. '82</u>	<u>1981 Totals</u>
<u>TOTAL INJURY CASES</u>	29	2	22
<u>RECORDABLE CASES</u>	6	1	4
<u>LOST WORK DAY CASES</u>			
<u>DAYS AWAY CASES</u>	2	0	2
<u>TOTAL MANHOURS WORKED (MHW)</u>	189,197	17,897	161,709
<u>FREQUENCY RATES/200,000 MHW</u>			
<u>TOTAL INJURY RATE</u>	30.7	22.4	27.2
<u>TOTAL RECORDABLE INJURY RATE</u>	6.3	11.2	4.9
<u>TOTAL LOST WORKDAY RATE</u>			
<u>TOTAL DAYS AWAY RATE</u>	2.1	0.0	2.4

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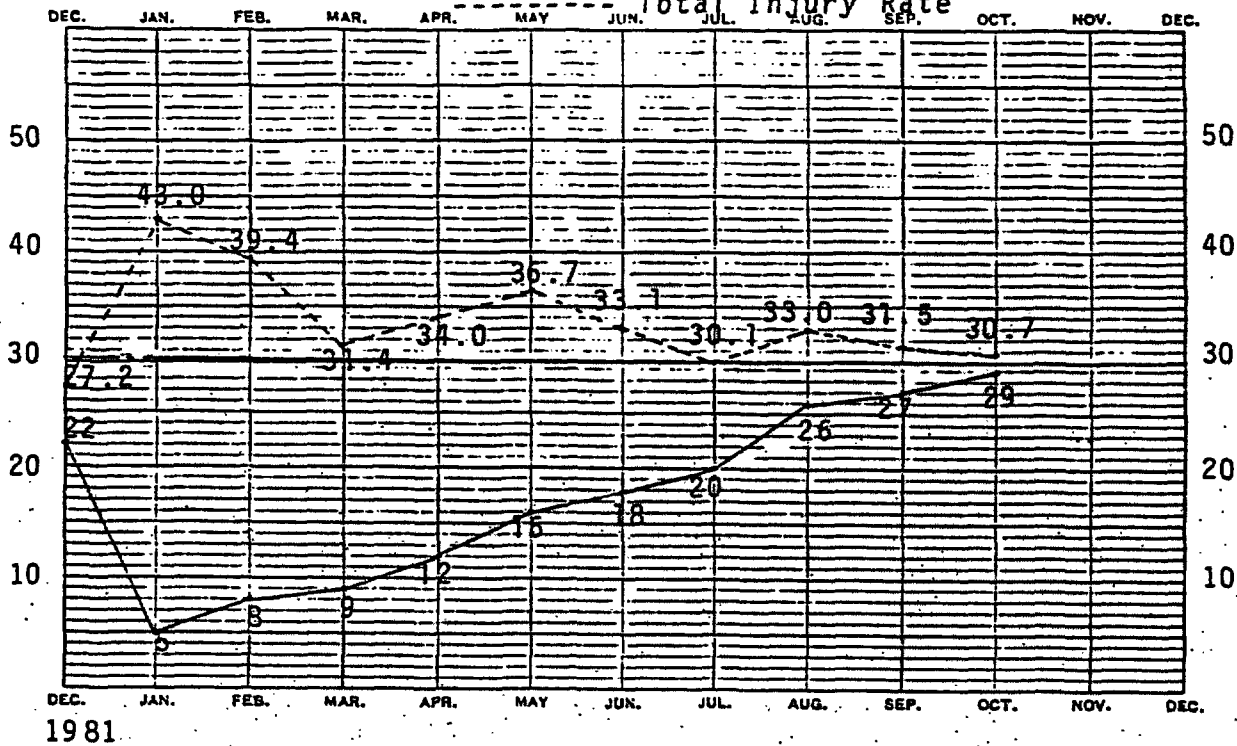
1982 Safety - Capital Projects

Total Injuries

Total Injury Rate

Cummulative Injuries

Cummulative TIR

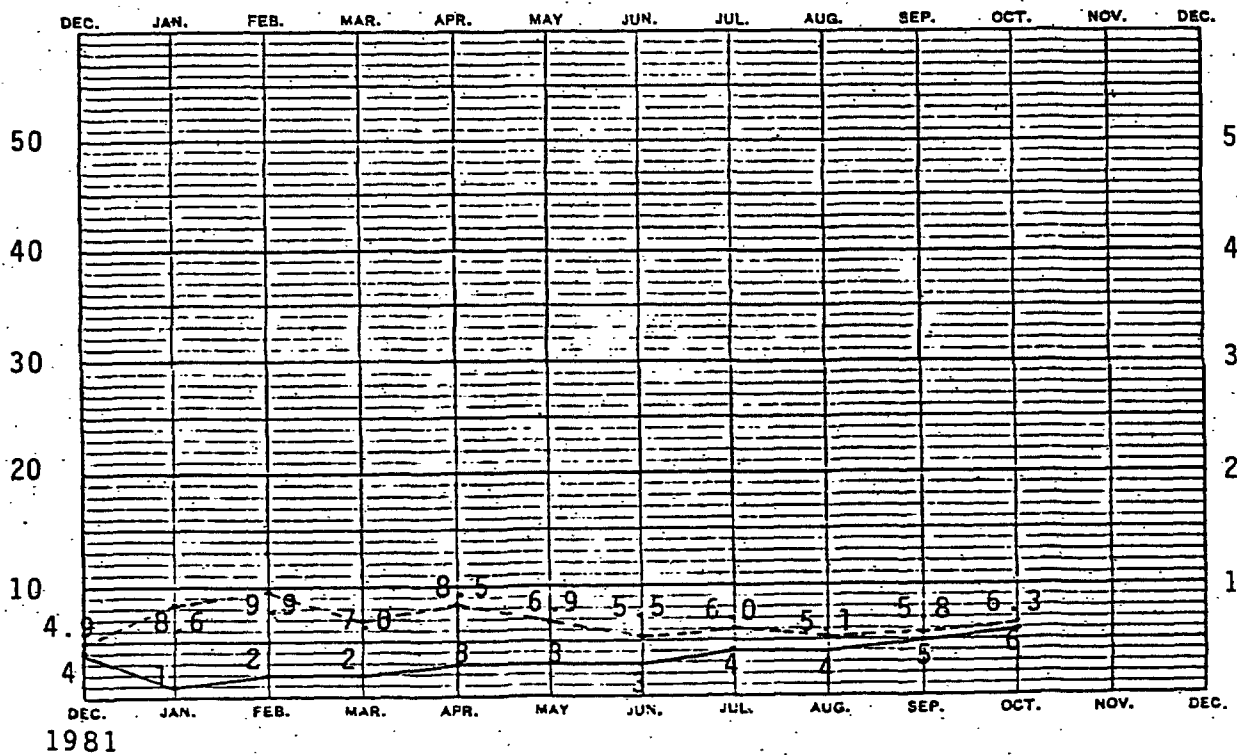


Recordable Injuries

Recordable Injury Rate

Cummulative Recordable Injuries

Cummulative RIR



CED CONSTRUCTION

TEXAS CITY PLANT

ACCIDENT STATISTICS

	<u>9/82</u>	<u>YTD</u> <u>9/30/82</u>
<u>NUMBER OF CASES</u>		
Lost Workdays (Days Away)	1	6
Fatalities	0	0
Total Injury	3	53
Total Recordable	1	10

FREQUENCY RATES

Total Injury	48.4	30.3
Total Recordable	16.1	5.7
Total Lost Workdays	16.1	3.4

MANHOURS WORKED

12,394	349,935
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CED CONSTRUCTION

TEXAS CITY PLANT

ACCIDENT STATISTICS

	<u>10/82</u>	<u>YTD</u> <u>10/31/82</u>
<u>NUMBER OF CASES</u>		
Lost Workdays (Days Away)	1	7
Fatalities	0	0
Total Injury	1	54
Total Recordable	1	11
<u>FREQUENCY RATES</u>		
Total Injury	12.3	29.5
Total Recordable	12.3	6.0
Total Lost Workdays	12.3	3.8
<u>MANHOURS WORKED</u>		
	16,275	366,210

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