

PLANT MANAGER'S SAFETY BOARD
MINUTES OF MEETING
SEPTEMBER 1982

PLAINTIFF'S EXHIBIT

MON-954

Present were:

G.A. Danner	C.F. Navarrete
D.E. Kaldenberg	M.L. Owens
B.C. Lancaster	G.T. Ryan
D.D. Kos	J.G. Trafton
H.E. Crow for C.M. McCullough	G.L. Tromblee
D.W. Metten	J.A. Glass

I. REVIEW OF STATISTICS--J.A. Glass

A. Texas City Plant Safety Performance Summary - August 1982

	1981		1982		1982
	AUG	YTD	AUG	YTD	TARGETS
(A) WITHOUT LOST WORKDAYS (medical treatment only)	0	13	2	9	11
(B) LOST WORKDAYS	0	6	1	4	2
**B ₁ RESTRICTED ACTIVITY	0	0	0	0	—
**B ₂ DAYS AWAY FROM WORK	0	6	1	4	—
(C) FATALITIES	0	0	0	0	—
 *TOTAL RECORDABLE CASES	<u>0</u>	<u>19</u>	<u>3</u>	<u>13</u>	<u>13</u>

INJURY RATES PER 200,000 MANHOURS

	1981		1982		1982	YTD 1982 MCIC	
	AUG	YTD	AUG	YTD	TARGETS	TARGET	YTD
TOTAL INJURY - TIR	13.88	15.02	14.58	9.46	—	—	—
TOTAL RECORDABLE - TRR	0.00	1.69	2.08	1.14	0.75	1.45	1.17
TOTAL LOST WORKDAY - TLWR	0.00	0.53	0.69	0.35	0.12	—	0.36
DAYS-AWAY-FROM-WORK - DAWR	0.00	0.53	0.69	0.35	—	—	0.26

B. Comments on Statistics

There were three Recordable Injuries one of which was a Days-Away case in which an operator suffered second degree burns to her legs as a result of being sprayed with a concentrated solution of methyl iodide. One of the other Recordable Injuries involved an operator striking his arm against a pump identification tag resulting in a laceration to the lower left arm requiring sutures. The third Recordable Injury involved an insulator who was struck in the mouth by a co-worker using wire nippers. Several teeth were cracked and displaced.

Since the end of August there were two Recordable Injuries one of which was a Days-Away case. One involved an operator in Power 2 that received a laceration of his finger, the other involved an iron worker who got his foot caught underneath a bag filter cart resulting in serious sprained ankle and days away from work. All of these cases were discussed during the meeting.

Trafton reported a rise in incidents of perspiration related chemical irritations, and George Danner pointed out that a relatively simple cooling device had been developed by the Materials Handling group that involved a loop of plastic tubing with holes in it to provide cooling underneath slicker suits when in the summer heat.

Rising trend lines for injuries were noted for the following groups: 13/14/15/16, 19/25/27/29, Pumper Gaugers, Insulators, Boilermakers, Carpenters, Pipefitters, Department 53, Department 44/45/46.

Although the Machinists show that they are well below last year's total experience, and well below target, they have experienced three Recordable Injuries this year.

Good performers worthy of note this month: Shops continue to be well below their target; the Instrument Department continues without injury; Truckers and Laborers are well below their target; 48/56, no injuries since February; Power 2 is well below their previous year.

C. Contractor Safety--C.M. McCullough

Total number of injuries is up with the number of manhours worked about the same. There was one Recordable when a man fell out of a pick-up truck. Detailed statistics for the Contractor group are attached to this minutes.

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

August was a good month. Not many people working, however. Detailed statistics are attached. CED Project group expects the peak number of contract workers on the IDA Project to be about 100 people.

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

A. Permit Policy

SAC reviewed our overall/permit system and our recommendations follow:

1. Establish new, uniform plantwide permit procedures to cover:
 - a. Breaking into Process Equipment (previously covered by First Flange Rules) and

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b. Vehicle access to operating units.

2. Go to a two permit system:

MAJOR (revised but not changed)

- o Cover: Fire
Vessel Entry
Special
- o Approval: Foreman & Above

"MASTER TAG" (new)

- o Cover: Breaking into Process Equipment
Vehicle Entry
Work Permit (where required)
- o Approval: Chief/Leadmen

3. SHAC was assigned to develop the procedures and format for the "Master Tag" permit.

We should target to begin implementation before the end of 1982.

B. Removal of Contaminated Clothing

The following action plan was developed:

1. Policy - Kaldenberg

Define the plant policy regarding the individual's commitment to remove contaminated clothing or the duties of those near the individual to assist as necessary.

2. Training - Glass/Steele

Define training program to be given high priority in our training schedule, to insure that the risks of not removing contaminated clothing are understood, and that the proper attitude is developed toward the relative priorities of modesty and health.

3. Equipment - Glass

Evaluate options and recommend changes to our system that would minimize the discomfort of those who have to undress under a safety shower. The recommended method should not prevent ready access to showers by those using or lending assistance and be reasonably cost effective.

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C. Cover Goggle Signs

J.A. Glass reviewed a proposal for the cover goggle signs at the meeting. A bright yellow sign with the markings as indicated below will become the standard cover goggle sign to be posted at entrances to cover goggle areas. One suggestion: Where cover goggle areas are marked off as yellow stripes on the floor or concrete pad, they should have the symbol and legend shown below.



**COVER
GOGGLES**

**REQUIRED
IN THIS AREA**

The cover goggle signs were approved and an order will be placed by the Stores Department to stock a supply of signs.

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

See attached status report on the SHAC activities.

IV. LOSS REPORTING--R.T. Hammann

There are no outstanding delinquent loss reports.

V. REVIEW OF INCIDENTS**Monsanto Incidents**

<u>Date</u>	<u>Incident No.</u>	<u>Description</u>
8/08/82	82-22 (Issued)	Recordable Injury-Days-Away-From-Work--Dept. 50; Operator Apprentice sprayed with acetic acid and methyl iodide solution on legs; 1st and 2nd degree burns to legs. (Wise)
8/16/82	82-23 (Issued w/o number)	Recordable Injury--Dept. 14; Operator struck arm against pump I.D. tag;

laceration to left lower arm required sutures. (Cruse)

8/12/82	82-24 (Not Issued)	Spill--HCN Storage Area; estimated 1-5 gallons of HCN; no injuries. (Fiesinger)
8/08/82	82-25 (Not Issued)	Spill--Dept. 50; leak on acetic acid flash line; minor leakage, but could have dumped reactor contents. (Bailey)
8/30/82	82-26 (Not Issued)	Spill--Operating Engineers; crane struck bleed exchanger on 16D7 column southeast of EB/SM control room. (Jackson)
8/23/82	82-27 (Not Issued)	Recordable Injury--Insulator; Dept. 15; co-worker struck mouth with wire nippers; several cracked teeth. (Mata)

Contractor Incidents

8/27/82	C-82-16 (Not Issued)	Chemical Contact--Opel Pipefitter; Dept. 56; fell approximately 4 feet hitting bucket catching leaking bleeder valve, contents of bucket sprayed in eyes. (Spencer)
9/08/82	C-82-17 (Not Issued)	Telephone Company craftsman fell on railroad track while pulling cable through conduit at IDA warehouse. (Stone/Marabella)

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

The following comments are made about the STOP Program:

1. Cards are still coming in, but slightly less than expected.
2. Next subject is Tools--working with Maintenance to lead the discussion. This starts next week.

VII. PLANT MANAGER'S COMMENTS

Gene stated that he was disappointed in our recent rash of injuries. He established a target for the next two months without a Recordable Injury. We've done it before, he believes we can do it again. The STOP Program needs complete and total commitment on the part of all supervisors to make it work.

TOTAL PLANT CONTRACTOR SAFETY

	<u>1982 YTD</u>	<u>Aug 82</u>	<u>1981 Totals</u>
<u>TOTAL INJURY CASES</u>	40	8	70
<u>RECORDABLE CASES</u>	10	1	12
<u>LOST WORK DAY CASES</u>			
<u>DAYS AWAY CASES</u>	2	0	5
<u>TOTAL MANHOURS WORKED (MHW)</u>	331,643	49,893	521,991
<u>FREQUENCY RATES/200,000 MHW</u>			
<u>TOTAL INJURY RATE</u>	24.1	32.1	26.8
<u>TOTAL RECORDABLE INJURY RATE</u>	6.0	4.0	4.5
<u>TOTAL LOST WORKDAY RATE</u>			
<u>TOTAL DAYS AWAY RATE</u>	1.2	0.0	1.9

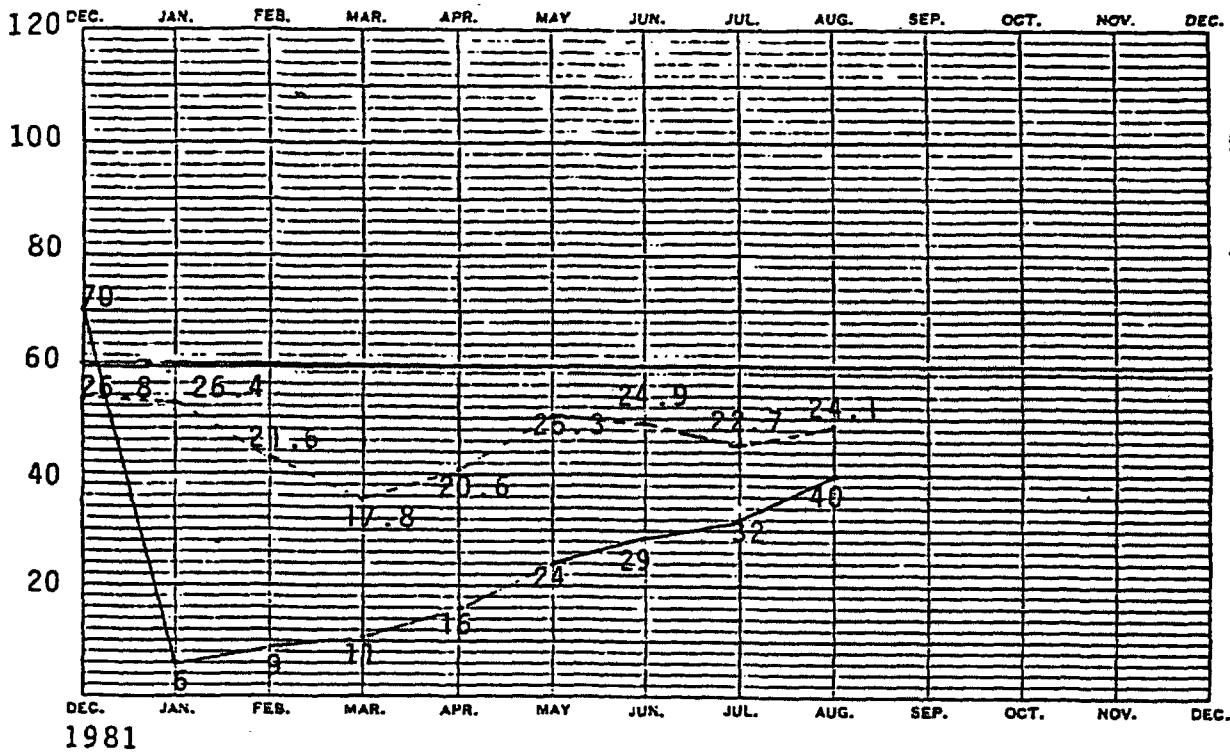
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1982 SAFETY - TOTAL CONTRACTORS
 Total Injuries
 Total Injury Rate

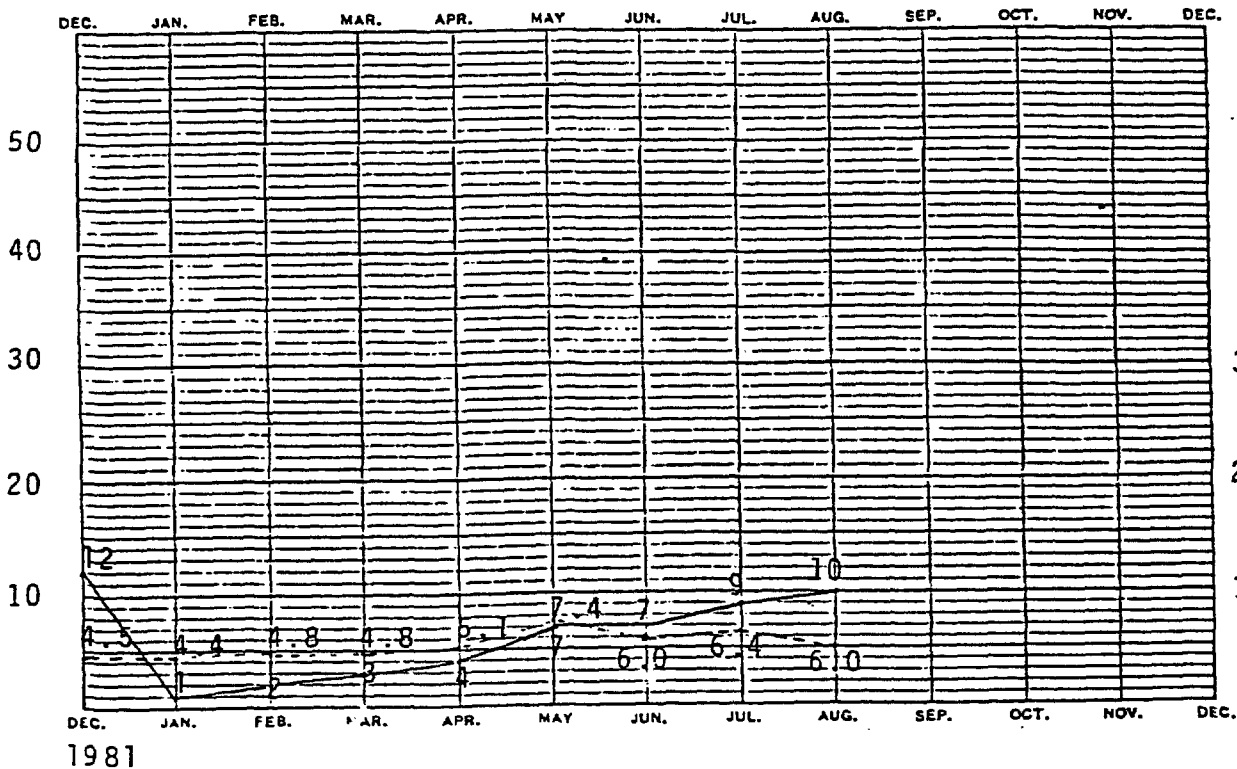
Cummulative Injuries



Cummulative TIR

Recordable Injuries
 Recordable Injury Rate

Cummulative Recordable Injuries



Cummulative RIR

CED CONSTRUCTION

TEXAS CITY PLANT

ACCIDENT STATISTICS

	<u>7/82</u>	<u>YTD</u> <u>7/31/82</u>	
<u>NUMBER OF CASES</u>			
Lost Workdays (Days Away)	0	5	
Fatalities	0	0	
Total Injury	5	50	
Total Recordable	0	9	
<u>FREQUENCY RATES</u>			
Total Injury	6.5 31.2	30.7	
Total Recordable	0	5.5	6.5
Total Lost Workdays	0	3.07	
<u>MANHOURS WORKED</u>	32,020	325,243	

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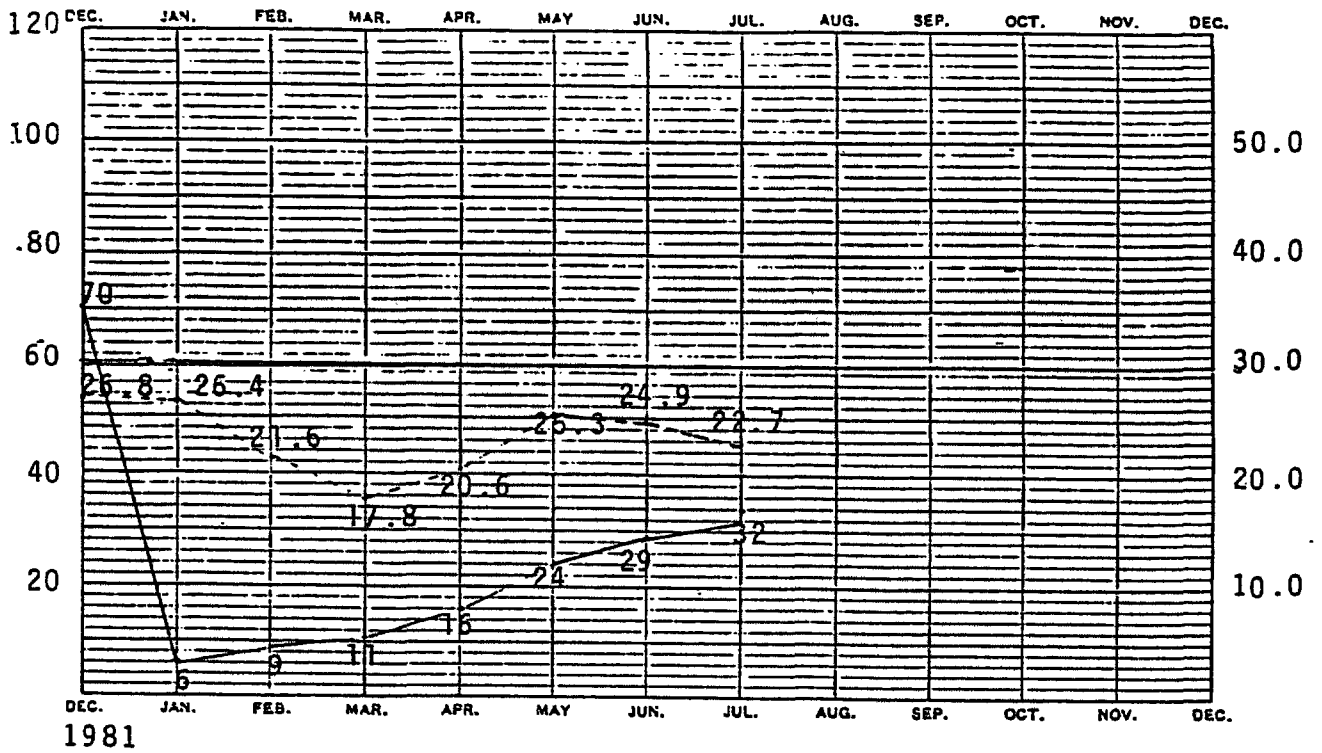
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1982 SAFETY - TOTAL CONTRACTORS

————— Total Injuries

----- Total Injury Rate

Cumulative Injuries

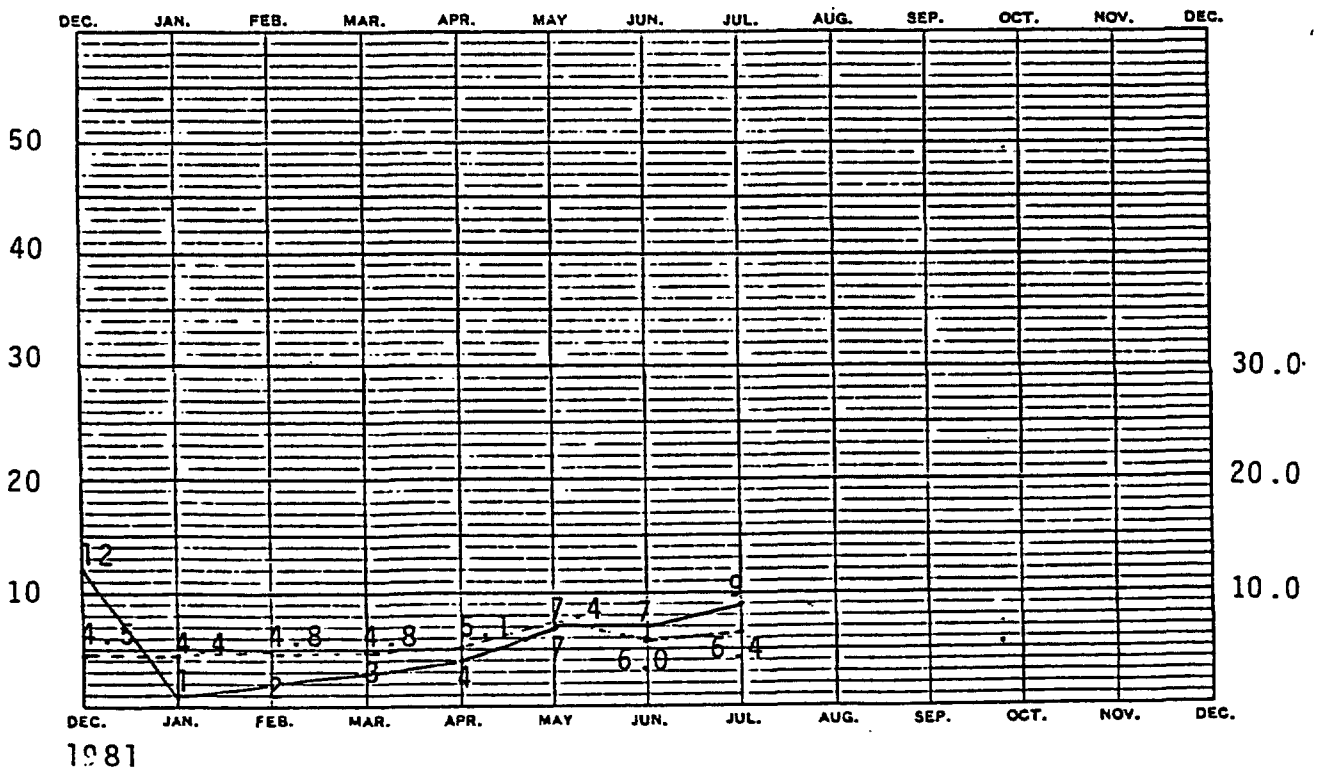


Cumulative TIR

————— Recordable Injuries

----- Recordable Injury Rate

Cumulative Recordable Injuries



Cumulative RIR

TOTAL PLANT CONTRACTOR SAFETY

	<u>1982 YTD</u>	<u>July 82</u>	<u>1981 Totals</u>
<u>TOTAL INJURY CASES</u>	32	3	70
<u>RECORDABLE CASES</u>	9	2	12
<u>LOST WORK DAY CASES</u>			
<u>DAYS AWAY CASES</u>	2	0	5
<u>TOTAL MANHOURS WORKED (MHW)</u>	281,750	49,203	521,991
<u>FREQUENCY RATES/200,000 MHW</u>			
<u>TOTAL INJURY RATE</u>	22.7	12.2	26.8
<u>TOTAL RECORDABLE INJURY RATE</u>	6.4	8.1	4.5
<u>TOTAL LOST WORKDAY RATE</u>			
<u>TOTAL DAYS AWAY RATE</u>	1.4	0.0	1.9

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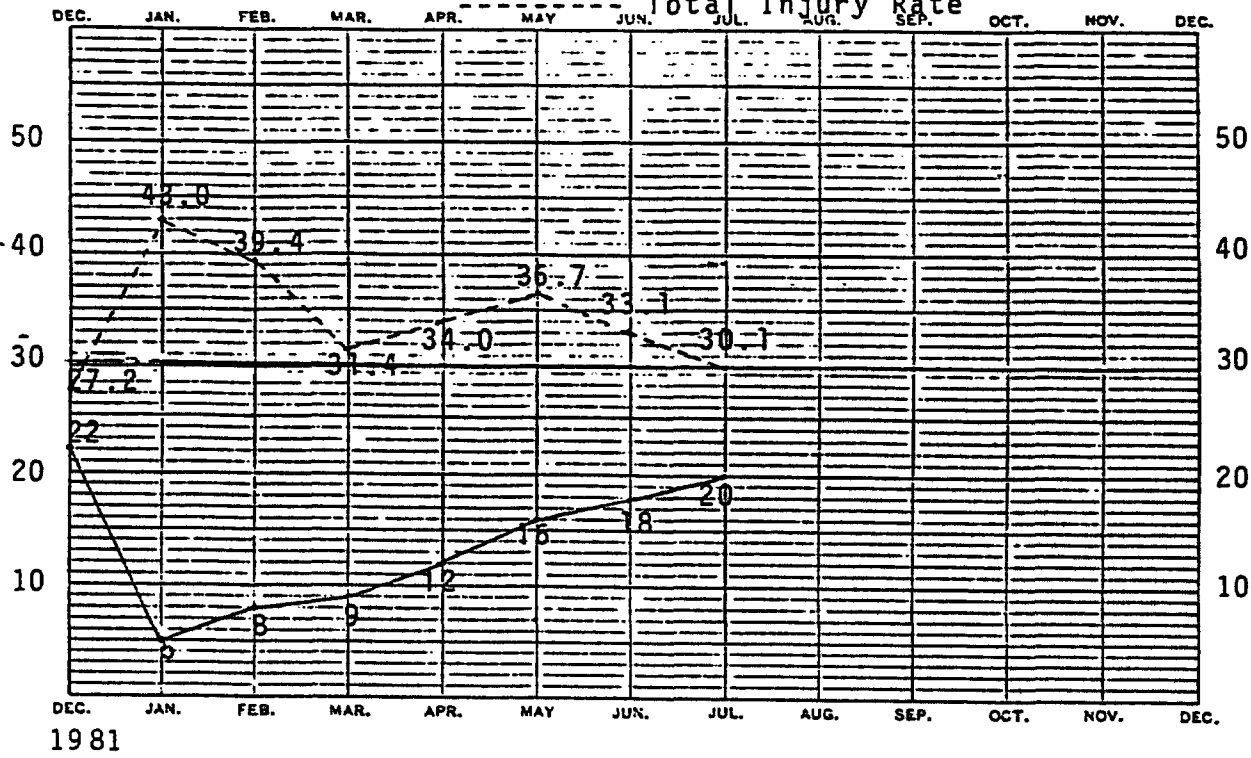
1982 Safety - Capital Projects

Total Injuries

Total Injury Rate

Cummulative Injuries

Cummulative TIR

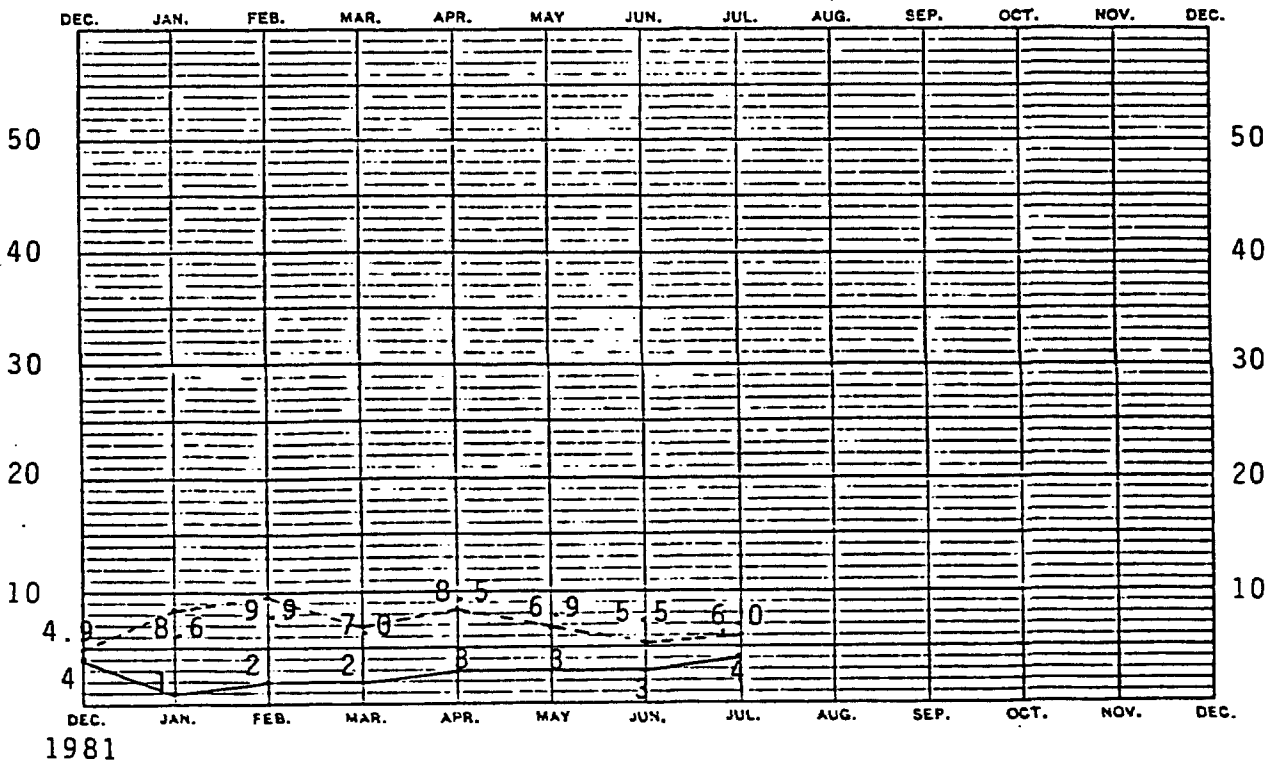


Recordable Injuries

Recordable Injury Rate

Cummulative Recordable Injuries

Cummulative RIR



CAPITAL PROJECTS CONTRACTORS

	<u>982 YTD</u>	<u>July 82</u>	<u>1981 Totals</u>
<u>TOTAL INJURY CASES</u>	20	2	22
<u>RECORDABLE CASES</u>	4	1	4
<u>LOST WORK DAY CASES</u>			
<u>DAYS AWAY CASES</u>	2	0	2
<u>TOTAL MANHOURS WORKED (MHW)</u>	132,927.5	24,040	161,709
<u>FREQUENCY RATES/200,000 MHW</u>			
<u>TOTAL INJURY RATE</u>	30.1	16.6	27.2
<u>TOTAL RECORDABLE INJURY RATE</u>	6.0	8.3	4.9
<u>TOTAL LOST WORKDAY RATE</u>			
<u>TOTAL DAYS AWAY RATE</u>	3.0	0.0	2.4

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