CENTRAL SAFETY COMMITTEE MEETING

OCTOBER 15, 1993

DISCUSSION ITEMS ON AGENDA

FIRE RETARDANT CLOTHING: DISCUSSION ON ISSUES RELATED TO FRC, AFFECTED AREAS, WHEN CAN SLEEVES BE ROLLED UP, LIMITED USE GARMENTS, WINTER WEAR, ETC.

SAFETY EQUIPMENT REQUIRED AREAS: DISCUSSION ON THE USE OF SAFETY GLASSES AND HARD HATS IN WALKWAYS OF WAREHOUSE.

PROPER USE OF SAFETY SHOE ALLOWANCE: DISCUSSION ON THE POSSIBLE USE OF THIS ALLOWANCE FOR OTHER SAFETY EQUIPMENT.

THIS IS TO GIVE YOU A GENERAL IDEA OF THE DISCUSSION INTENDED, IF YOU HAVE SPECIFIC QUESTIONS, LET ME KNOW.

F 26.5

Houston

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AEV SBH MGD WSC

TO: RWS, SJV, JEB, JME, TLC, SCH, DAM, JEN, JDO, MAS, CMM

FROM: CHRIS MARKERSON
DATE: AUGUST 23, 1993

SUBJECT: CENTRAL SAFETY COMMITTEE MEETING - 8/26/93

AGENDA

TIME: 10:00

DATE: THURSDAY, AUGUST 26, 1993

PLACE: MAIN CONFERENCE ROOM

PURPOSE: CENTRAL SAFETY COMMITTEE MEETING

Vista Aberdeen Safety Tours

CONTENT:

SAFETY STATISTICS	10:00 - 10:10
VCM AND LEAD OVEREXPOSURES	10:10 - 10:15
V.A.S.T. PROGRESS	10:15 - 10:25
SAFETY PRESENTATIONS UPDATE	10:25 - 10:30
30 MINUTE AUDITS	10:30 - 11:10
AUDIT RESULTS	11:10 - 11:20
ACTION STEPS	11:20 - 11:30

BH Water Treatment

ITEMS TO BRING:

CALENDER

NEXT MEETING:

SEPTEMBER 3, 1993 AT 9:30 A.M. - MAIN CONFERENCE ROOM

VAB.0001187650

VISTA CHEMICAL COMPANY

ABERDEEN CHEMICAL PLANT

Central Safety Committee Meeting

Month of July, 1993

ON-THE-JOB INJURIES	Current Month		Current Y.T.D.		Previous Y.T.D.	
	No.	Freq.	No.	Freq.	No.	Freq.
First Aid Cases	2	9.4	2	9.4	1	5.0
Medical Cases	0	0	0	0	0	0
Restricted Workday Cases	0	0	0	0	0	0
Lost Workday Cases	0	0	0	0	0	0
Total Cases	2	9.4	2	9.4	1	5.0

Employee Hours	42,350	42,350	40,053

No. of Days Since Last LWC	297
No. of Days Since Last Recordable	37

MT
August
A.C. Patton

OFF-THE-JOB INJURIES

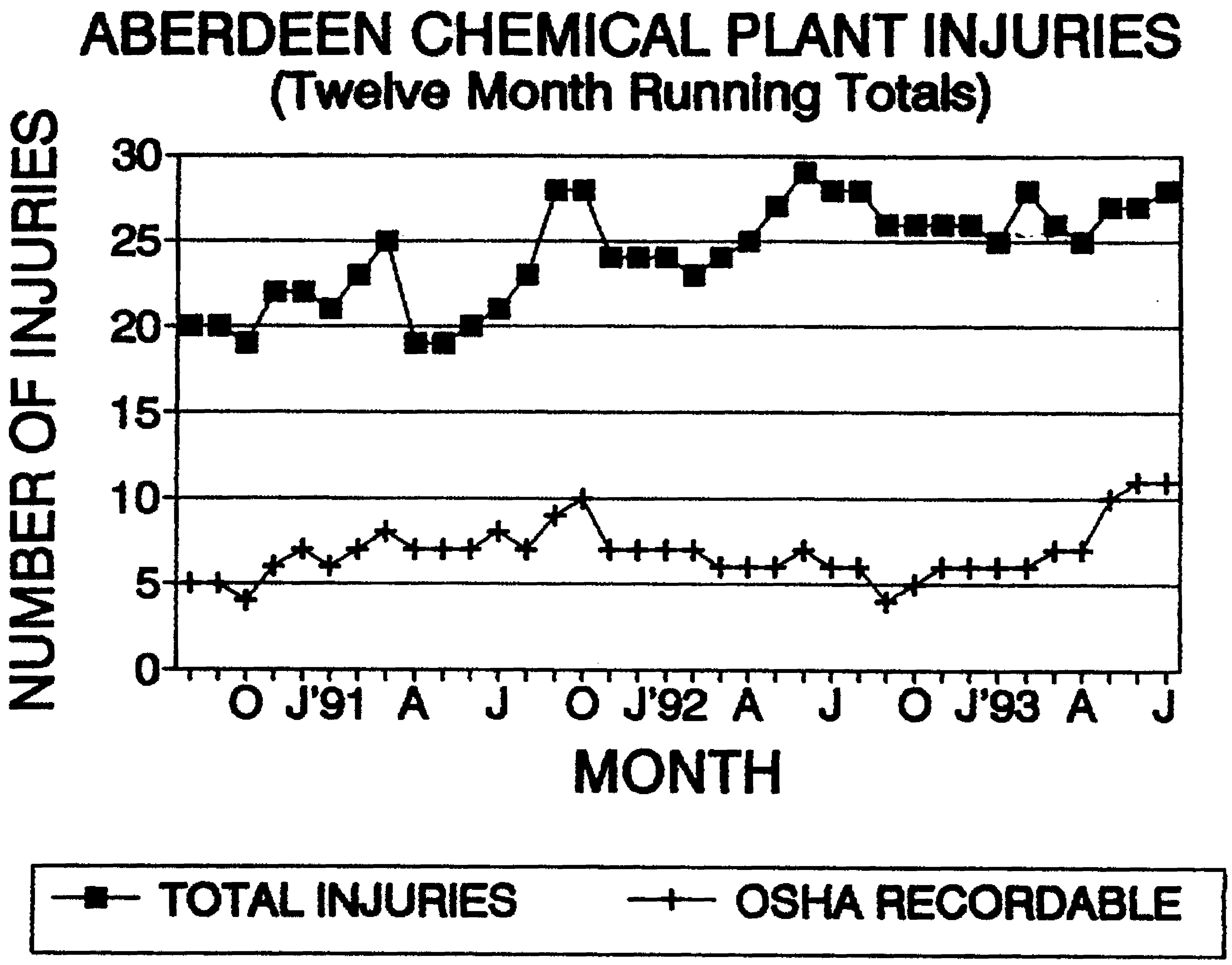
Total Cases	1	0	2
Lost Days	3	0	5

CONTRACTOR INJURIES

First Aid Cases	0	0	1
Med.Treatment Cases	0	0	0
Lost Workday Cases	0	0	0

8 August 1993

9 August 1993



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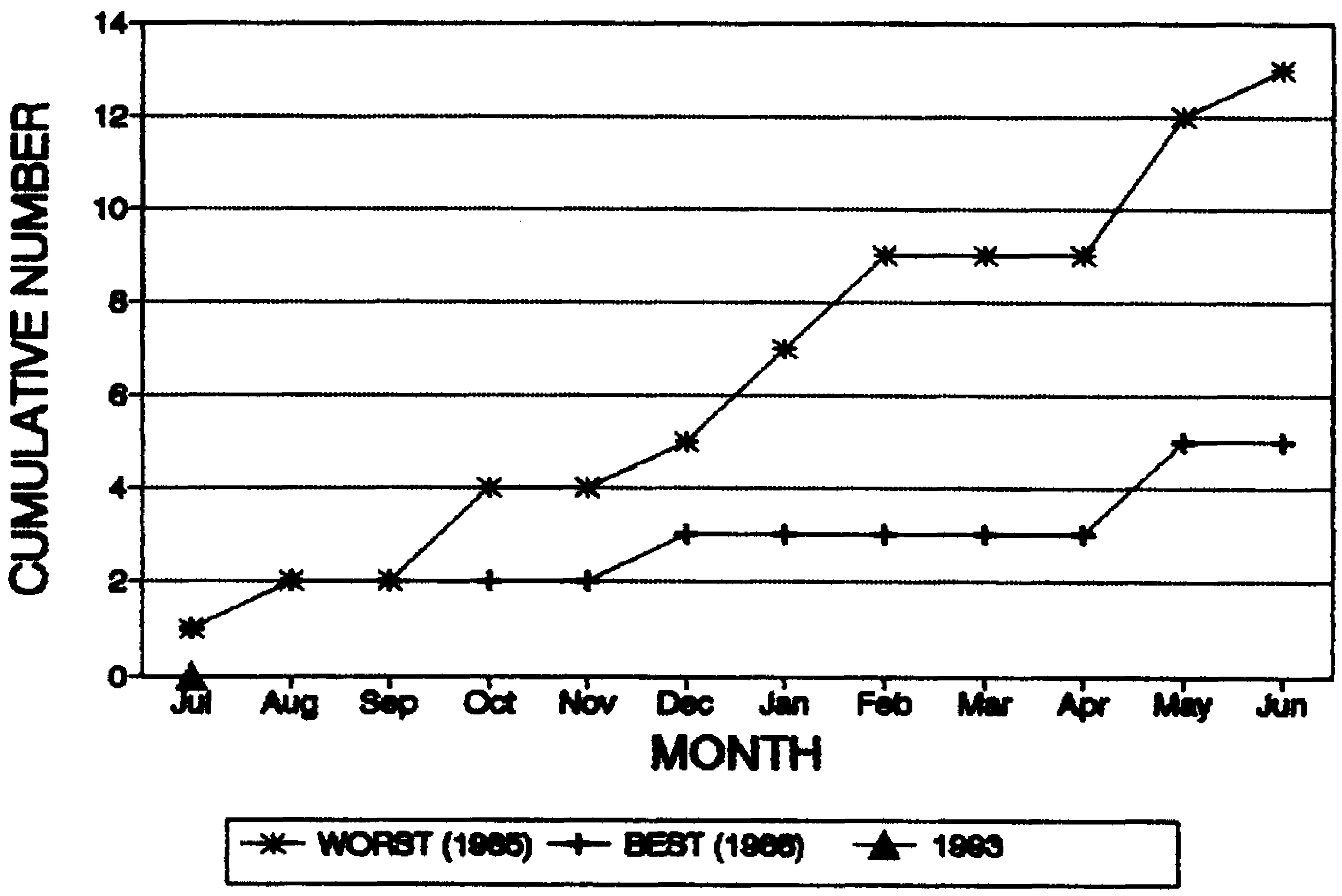
9 August 1993

ABERDEEN CHEMICAL PLANT
CUMULATIVE RECORDABLE INJURIES



ABERDEEN OSHA RECORDABLE INJURIES

FISCAL YEAR

MONTH	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Jul	1	2	1	1	1	3	0	1	0	0
Aug	1	1	2	1	1	0	1	0	0	
Sep	0	0	0	0	1	0	0	2	0	
Oct	2	3	0	0	0	1	0	1	2	
Nov	0	2	1	0	0	1	3	0	1	
Dec	1	0	0	1	2	0	1	1	1	
Jan	2	0	1	0	0	1	0	0	0	
Feb	2	0	0	0	0	0	1	1	1	
Mar	0	1	3	0	0	0	1	0	1	
Apr	0	0	1	0	1	1	0	0	0	
May	3	0	0	2	3	0	0	0	3	
Jun	1	0	0	0	0	0	0	1	2	
TOTALS	13	9	9	5	9	7	7	7	11	0

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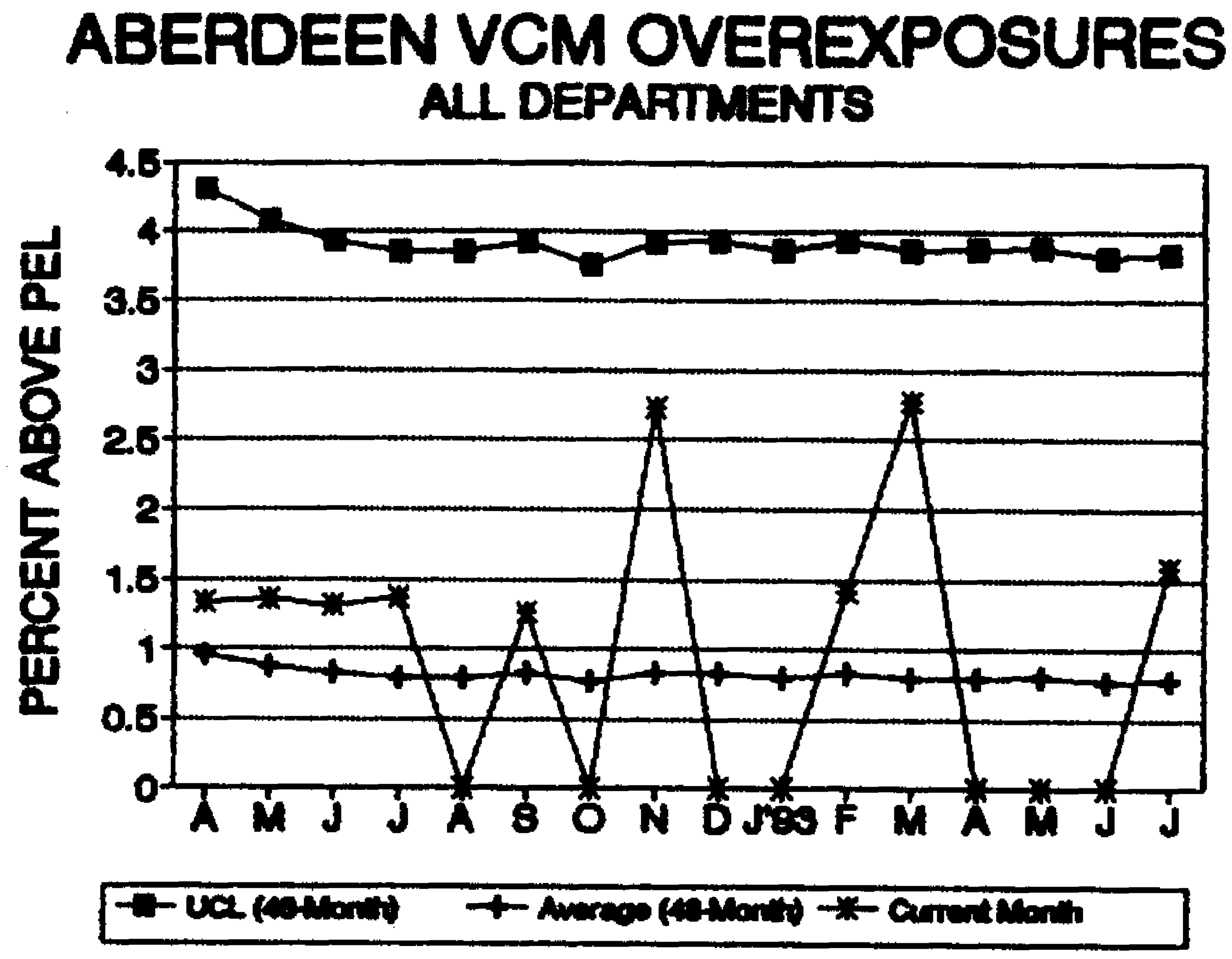
9 August 1993



ABERDEEN VCM OVEREXPOSURES

	Monthly Number								Fiscal Year Cumulative Number							
	Vinyl		Maint.		Other		Plant		Vinyl		Maint.		Other		Plant	
Month	R	NR	R	NR	R	NR	R	NR	R	NR	R	NR	R	NR	R	NR
Apr	0	0	0	1	0	0	0	1	1	1	2	1	0	0	3	2
May	1	0	0	0	0	0	1	0	2	1	2	1	0	0	4	2
Jun	0	0	1	0	0	0	1	0	2	1	3	1	0	0	5	2
Jul	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0
Aug	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
Sep	0	1	0	0	0	0	0	1	0	1	1	0	0	0	1	1
Oct	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
Nov	0	0	1	1	0	0	1	1	0	1	2	1	0	0	2	2
Dec	0	0	0	0	0	0	0	0	0	1	2	1	0	0	2	2
Jan'93	0	0	0	0	0	0	0	0	0	1	2	1	0	0	2	2
Feb	1	0	0	0	0	0	1	0	1	1	2	1	0	0	3	2
Mar	1	0	0	1	0	0	1	1	2	1	2	2	0	0	4	3
Apr	0	0	0	0	0	0	0	0	2	1	2	2	0	0	4	3
May	0	0	0	0	0	0	0	0	2	1	2	2	0	0	4	3
Jun	0	0	0	0	0	0	0	0	2	1	2	2	0	0	4	3
Jul	1	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0

R = With Respirator NR = Without Respirator

VAB.0001187654

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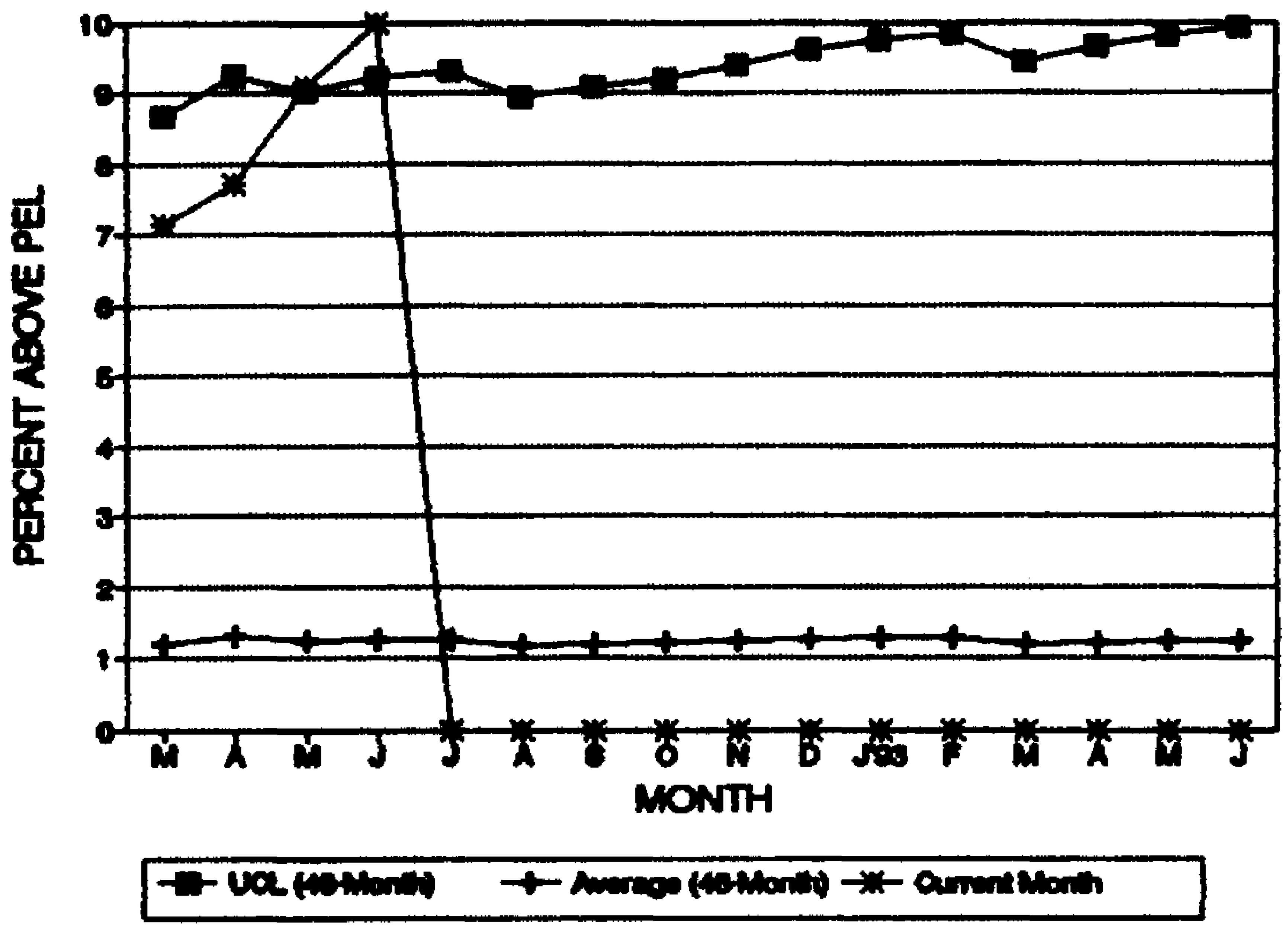
9 August 1993

ABERDEEN LEAD OVEREXPOSURES



SEPTEMBER SAFETY PRESENTATIONS ATTENDANCE AS OF 8/26/93:

<u>OKC</u>

BARRY ENIX Safety Dir.
RICK SMITH Pet
PAUL KLEIN P. Eng
CARLIE DENTON Maint Supv.
MIKE CARPENTER Oper. OPS
JIM GIBSON SS OPS
JIM STROBLE SS
GEORGE FREEMAN SS
EARL SMITH Oper
ALLEN CROW Inst Tech.

9/8/93 8-4PM

<u>LAB</u>

RANDY GANTZ

44 so far

<u>LCVCM</u>

MIKE LUNSFORD
JIM BIGGART Plant Supt.

<u>BALTIMORE</u>

BRENT WHITE

Jim Rafferty
ITC
9/9
9-11AM

<u>LCCP</u>

KEITH FOGG

<u>PREMIERE</u>

DON JACKSON

<u>AUSTIN</u>

ROBERT MARTIN

<u>HOUSTON</u>

VELDON MESSICK
TOM GRUMBLES
WAYNE HILGERS
JANICE MECKLENBURG
RON BAUER
ERIC MEYER - POSSIBLE

<u>ABERDEEN</u>

BFH

RWS, SJV, DAM, JDO, EES, SCH, JME, JEN, TLC, CMM, MAS, CLW, RAC, MLC, JVU, JGR, FIVE HOURLY, OTHERS?

AUGUST 26, 30 MINUTE AUDIT SCHEDULE

AREA	AUDITORS
VINYL - OLD MODULE	CMM, SJV, DAM
MAINT./UTIL. - BOILER HOUSE & WATER PLANT	RWS, JEN
COMPOUND - P1 BUILDING	JEB, MAS, JME
OTHER - LAB	JDO, TLC, SCH

(F) 26.5

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TO: [redacted] SJV, JEB, JME, TLC, SCH, DAM, JEN, JDO, MAS, CMM

FROM: CHRIS MARKERSON
DATE: JULY 9, 1993

SUBJECT: CENTRAL SAFETY COMMITTEE MEETING - 7/16/93

AGENDA

TIME: 8:00

DATE: FRIDAY, JULY 16, 1993

PLACE: MAIN CONFERENCE ROOM

PURPOSE: CENTRAL SAFETY COMMITTEE MEETING

CONTENT:

SAFETY STATISTICS	8:00 - 8:15
VCM AND LEAD OVEREXPOSURES	8:15 - 8:20
PLANT JEWELRY POLICY	8:20 - 8:45
CONFINED SPACE ENTRY PROCEDURE	8:45 - 9:15
S.A.F.E.	9:15 - 9:45
ACTION STEPS	9:45 - 9:50

ITEMS TO BRING:

CALENDER
COMMENTS ON ATTACHED POLICIES AND PROCEDURES

~~NOMEX~~

Dow G.
Ute I.

BST

VCM TGG-

- More cost
- Plt. Mgrs
- THH
- Premier
- Mansfield

SHE

VAB.0001187658

VISTA CHEMICAL COMPANY

ABERDEEN CHEMICAL PLANT

Central Safety Committee Meeting

Month of June, 1993

ON-THE-JOB INJURIES	Current Month		Current Y.T.D.		Previous Y.T.D.	
	No.	Freq.	No.	Freq.	No.	Freq.
First Aid Cases	1	5.3	16	6.7	22	8.7
Medical Cases	0	0	4	1.7	4	1.6
Restricted Workday Cases	2	10.6	6	2.5	3	1.2
Lost Workday Cases	0	0	1	0.4	0	0
Total Cases	3	15.8	27	11.3	29	11.5

Employee Hours	37,861	477,454	503,642

No. of Days Since Last LWC		266	
No. of Days Since Last Recordable		6	

OFF-THE-JOB INJURIES

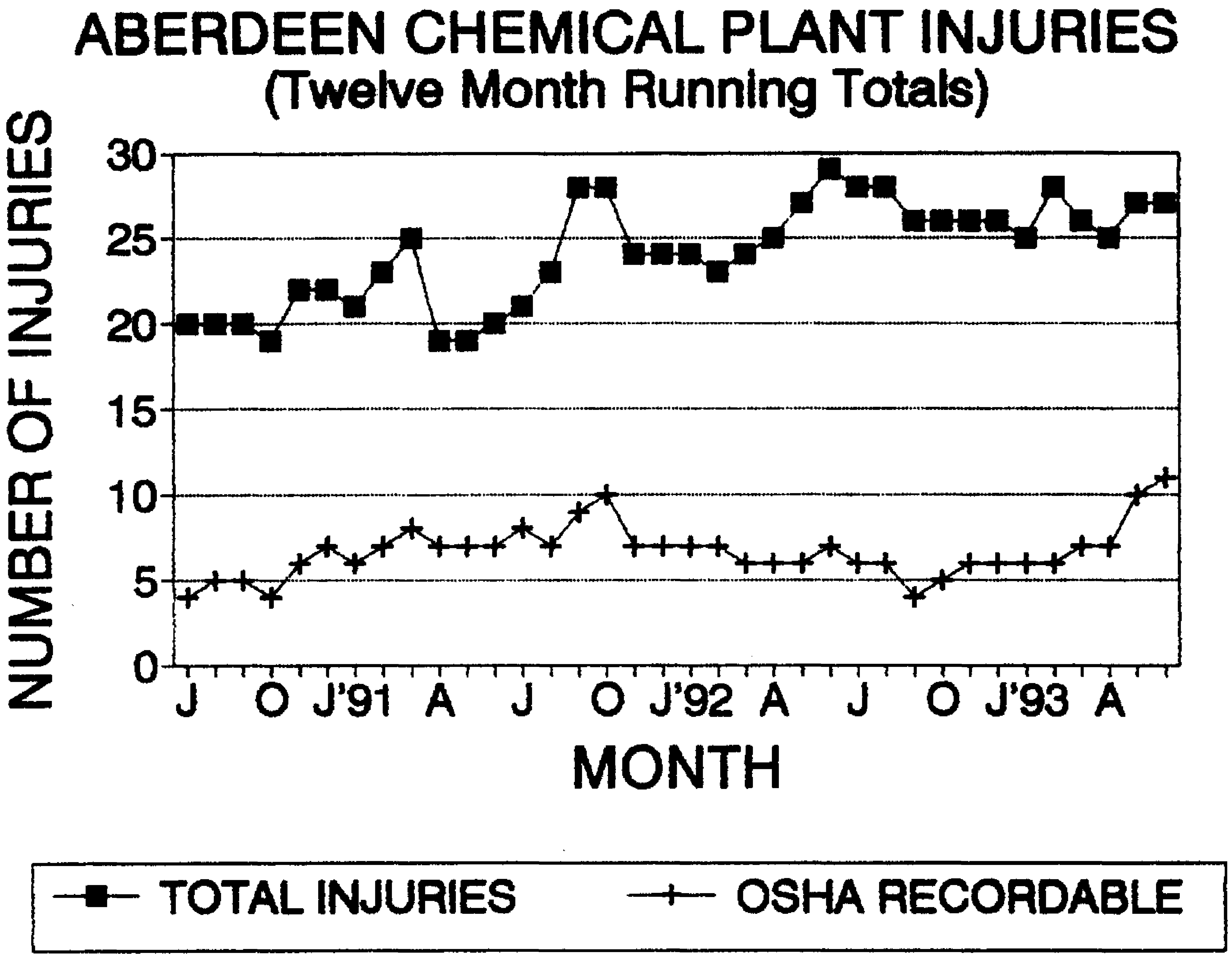
Total Cases	0	7	6
Lost Days	0	83	41

CONTRACTOR INJURIES

First Aid Cases	0	1	3
Med.Treatment Cases	0	1	0
Lost Workday Cases	0	0	0

7 July 1993

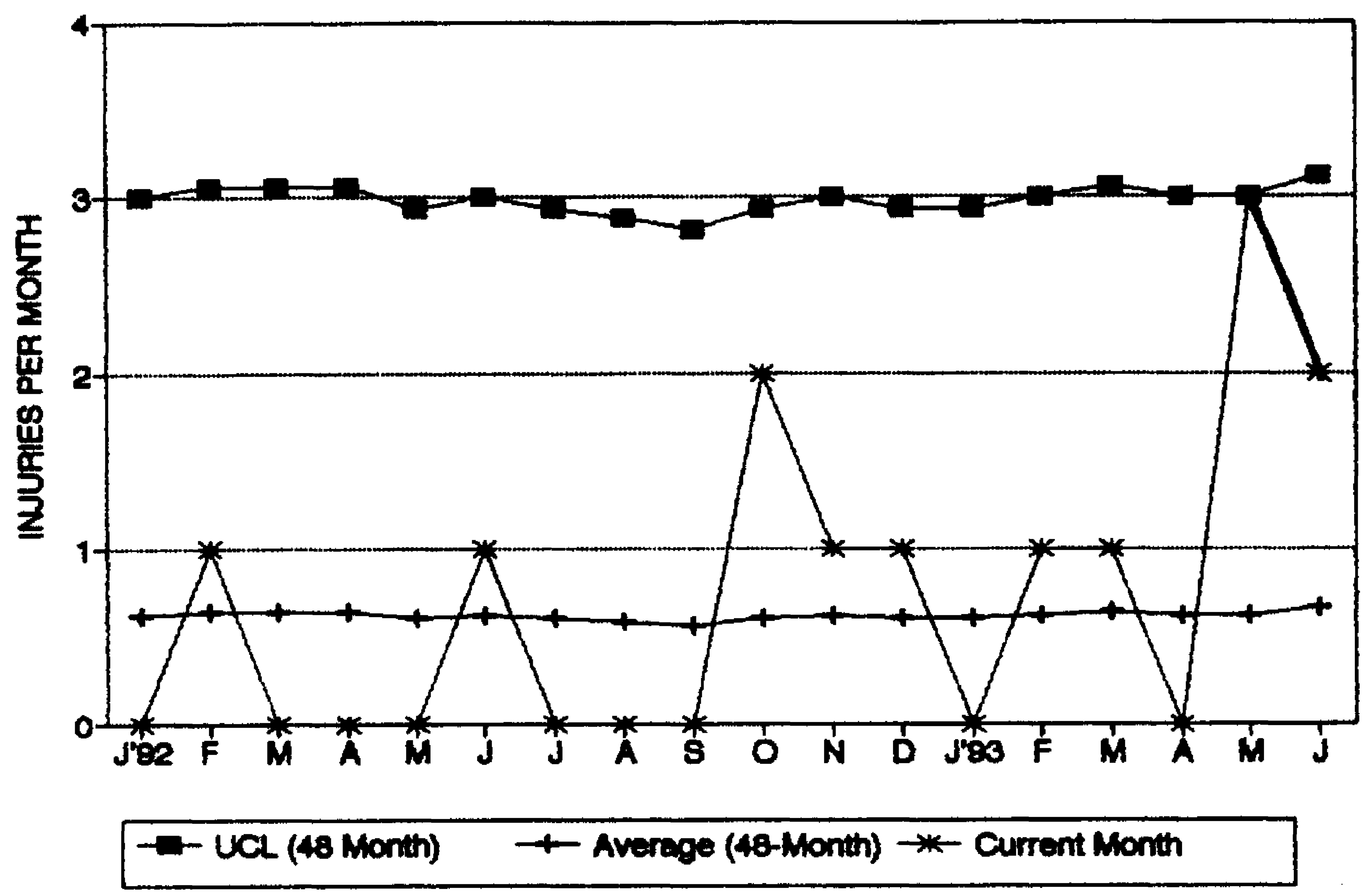
7 July 1993



ABERDEEN CHEMICAL PLANT INJURIES
(Twelve Month Running Totals)
NUMBER OF INJURIES
30
25
20
15
10
5
0
J O J'91 A J O J'92 A J O J'93 A
MONTH
TOTAL INJURIES
OSHA RECORDABLE

7 July 1993

ABERDEEN PLANT
OSHA RECORDABLE INJURIES



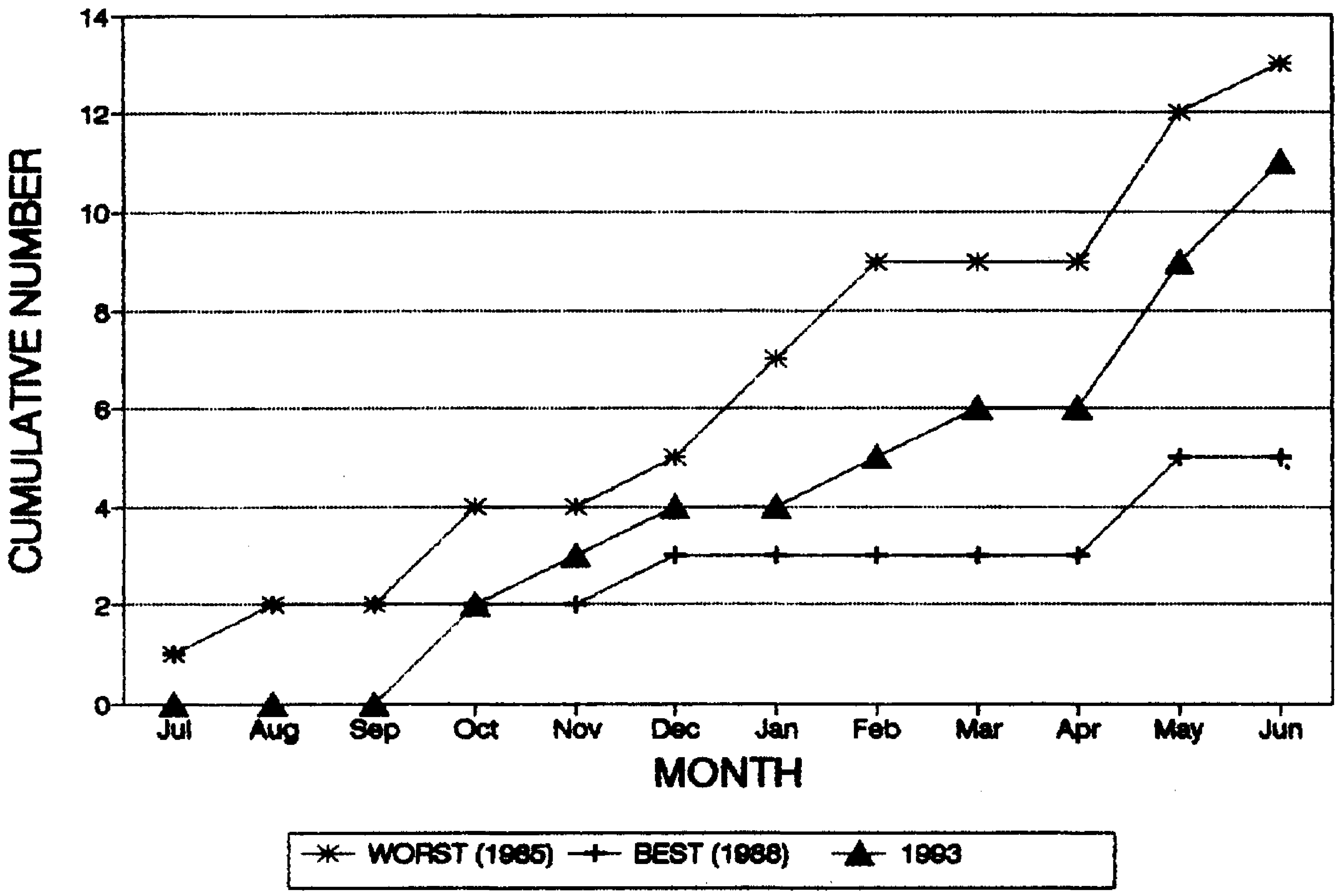
OSHA RECORDABLE INJURIES

	FISCAL YEAR						
	1987	1988	1989	1990	1991	1992	1993
Jul	1	1	1	3	0	1	0
Aug	2	1	1	0	1	0	0
Sep	0	0	1	0	0	2	0
Oct	0	0	0	1	0	1	2
Nov	1	0	0	1	3	0	1
Dec	0	1	2	0	1	1	1
Jan	1	0	0	1	0	0	0
Feb	0	0	0	0	1	1	1
Mar	3	0	0	0	1	0	1
Apr	1	0	1	1	0	0	0
May	0	2	3	0	0	0	3
Jun	0	0	0	0	0	1	2
Totals	9	5	9	7	7	7	11

4

7 July 1993

ABERDEEN CHEMICAL PLANT
CUMULATIVE RECORDABLE INJURIES



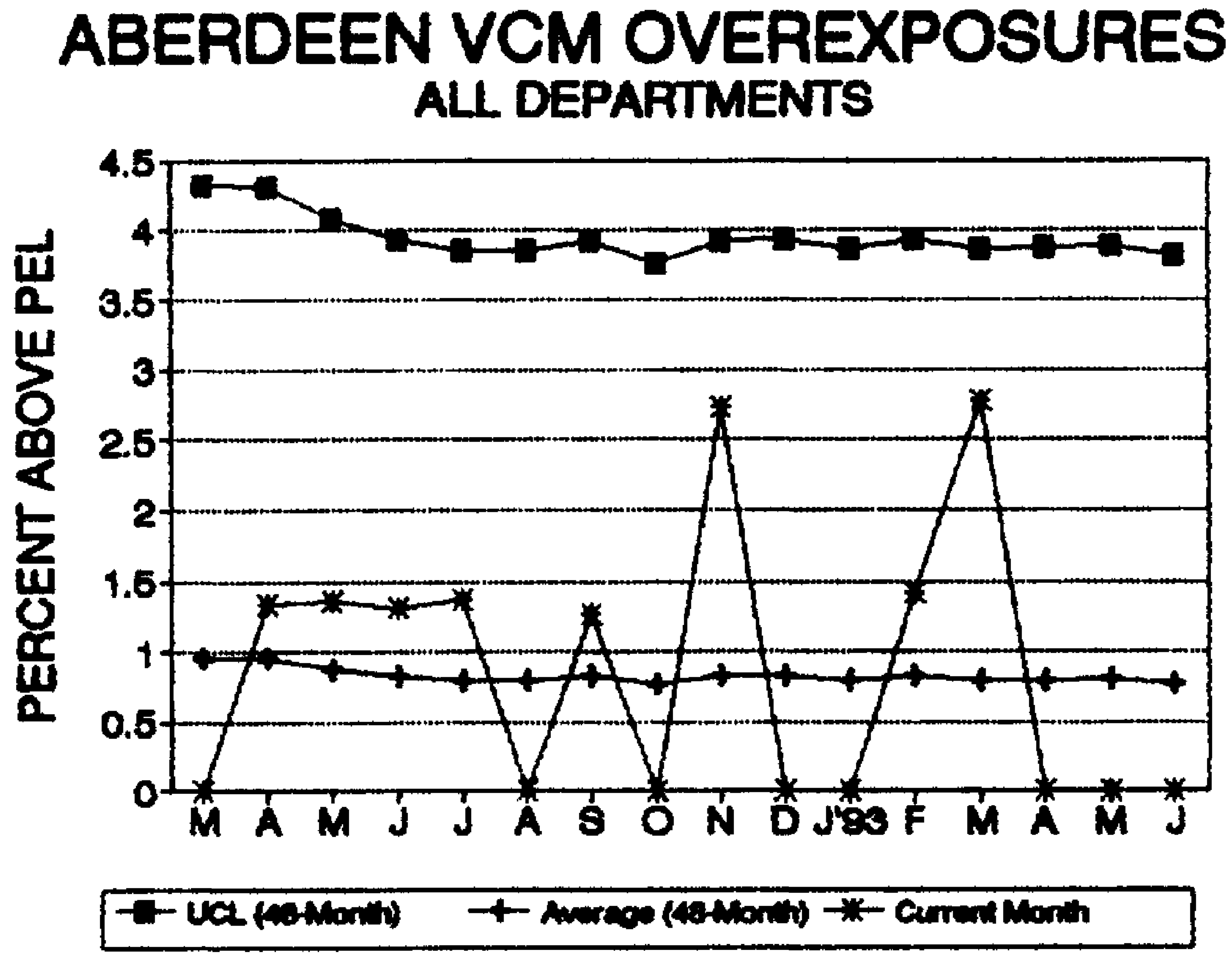
ABERDEEN OSHA RECORDABLE INJURIES

FISCAL YEAR

MONTH	1985	1986	1987	1988	1989	1990	1991	1992	1993
Jul	1	2	1	1	1	3	0	1	0
Aug	1	1	2	1	1	0	1	0	0
Sep	0	0	0	0	1	0	0	2	0
Oct	2	3	0	0	0	1	0	1	2
Nov	0	2	1	0	0	1	3	0	1
Dec	1	0	0	1	2	0	1	1	1
Jan	2	0	1	0	0	1	0	0	0
Feb	2	0	0	0	0	0	1	1	1
Mar	0	1	3	0	0	0	1	0	1
Apr	0	0	1	0	1	1	0	0	0
May	3	0	0	2	3	0	0	0	3
Jun	1	0	0	0	0	0	0	1	2
TOTALS	13	9	9	5	9	7	7	7	11

VAB.0001187662

7 July 1993

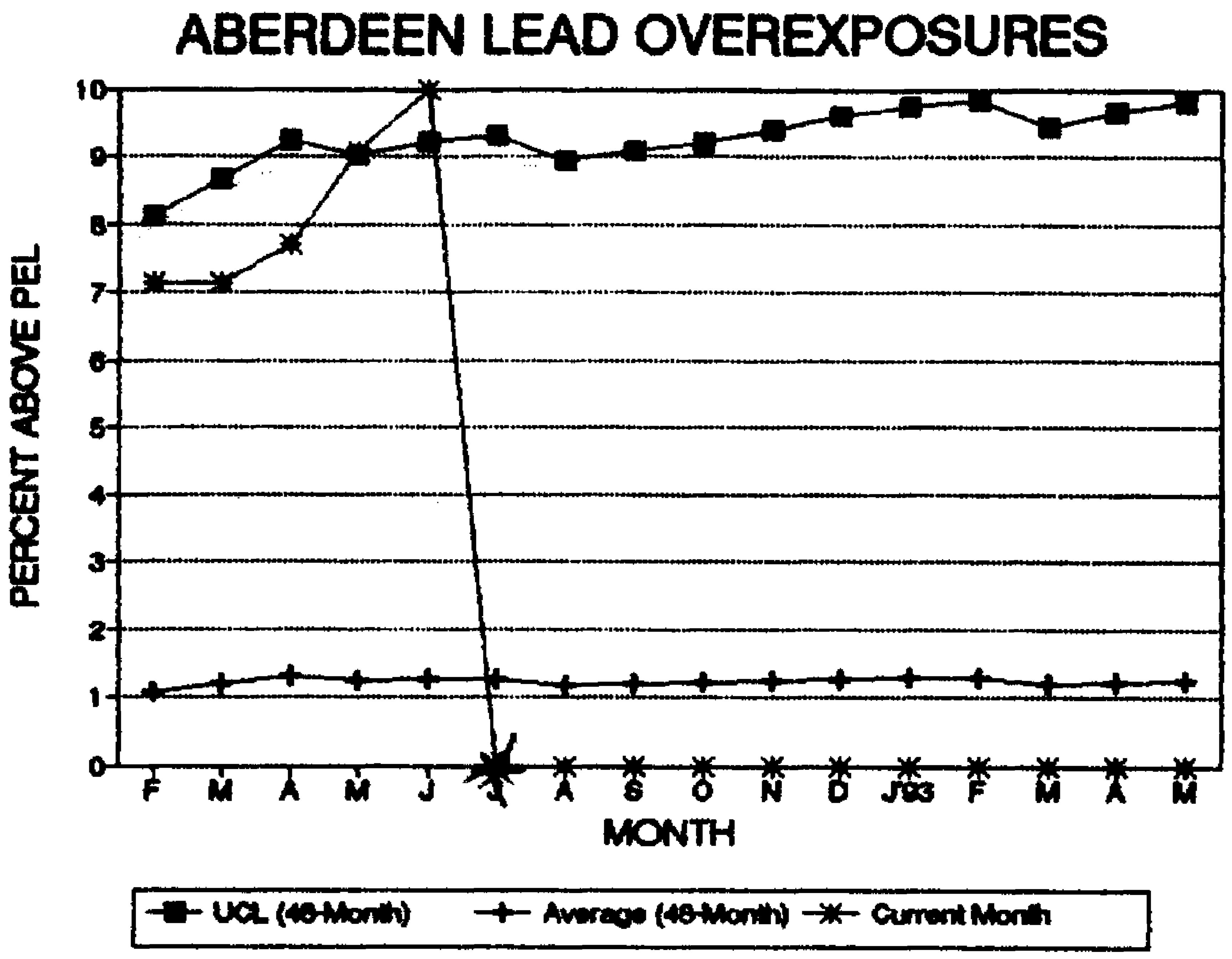


ABERDEEN VCM OVEREXPOSURES

	Monthly Number								Fiscal Year Cumulative Number							
	Vinyl		Maint.		Other		Plant		Vinyl		Maint.		Other		Plant	
Month	R	NR	R	NR	R	NR	R	NR	R	NR	R	NR	R	NR	R	NR
Feb	0	0	2	0	0	0	2	0	1	1	2	0	0	0	3	1
Mar	0	0	0	0	0	0	0	0	1	1	2	0	0	0	3	1
Apr	0	0	0	1	0	0	0	1	1	1	2	1	0	0	3	2
May	1	0	0	0	0	0	1	0	2	1	2	1	0	0	4	2
Jun	0	0	1	0	0	0	1	0	2	1	3	1	0	0	5	2
Jul	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0
Aug	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
Sep	0	1	0	0	0	0	0	1	0	1	1	0	0	0	1	1
Oct	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
Nov	0	0	1	1	0	0	1	1	0	1	2	1	0	0	2	2
Dec	0	0	0	0	0	0	0	0	0	1	2	1	0	0	2	2
Jan'93	0	0	0	0	0	0	0	0	0	1	2	1	0	0	2	2
Feb	1	0	0	0	0	0	1	0	1	1	2	1	0	0	3	2
Mar	1	0	0	1	0	0	1	1	2	1	2	2	0	0	4	3
Apr	0	0	0	0	0	0	0	0	2	1	2	2	0	0	4	3
May	0	0	0	0	0	0	0	0	2	1	2	2	0	0	4	3
Jun	0	0	0	0	0	0	0	0	2	1	2	2	0	0	4	3

R = With Respirator NR = Without Respirator

7 July 1993



VAB.0001187664

DRAFT

To: All employees

From: Chris Markerson

Date:

Subject: Plant policy on jewelry

Attached is the plant policy on jewelry, which is effective ________________. This policy has been developed, not in response to a single incident alone, but based on the frequency of jewelry related close calls, and minor injuries. This policy was developed with an understanding of the value jewelry has to many people, particularly wedding rings, but is being implemented based on the value we each have for our fingers, ears, and other body parts. Your cooperation with this policy is appreciated.

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DRAFT

JEWELRY POLICY

PURPOSE:

To communicate the Aberdeen plant's position on jewelry; defining those articles of jewelry which are not allowed in the Vista Aberdeen facility.

SCOPE:

This policy applies to all personnel entering the Vista Aberdeen facility. This includes all Vista Aberdeen personnel, contractors, and visitors as specified in the policy.

POLICY:

In the workplace environment, jewelry has proven to be a source of injuries, therefore it is the policy of Vista Chemicals, Aberdeen plant, that specific types of jewelry shall not be worn in the Aberdeen facility. Those articles of jewelry which <u>shall not</u> be worn include:

* rings
* loop type earings
* dangling earings which extend below the earlobe
* any other jewelry item which supervision judges to be a hazard

Jewelry items, such as wrist watches, chains / necklaces worn inside the shirt, and studded earings are generally acceptable.

As stated, this policy applies to all persons in the Vista Aberdeen facility; the exception to this statement are those visitors who's business is limited to meetings only, and who will not go beyond the administrative office areas.

To P 26.5

From

Calculation Sheet

VISTA

TO: ~~RWS~~, SJV, DAM, JDO, SCH,
JEH, JME, TLC, JEB, CWN, MAS

FROM: CMM

Date: July 27, 1993

Subject: 7/23 CSC Meeting - Action Items

CMM - Revise + distribute jewelry policy by 7/30

Dept. Heads - Comment on Confined Space Procedure to CMM by 8/6/93.

CMM - Schedule Brown Bag lunches for August
Distribute S.A.F.E. info for discussion at these lunches.

Dept. Heads - Comments on New Permit form to CMM by 8/6/93.

Dept. Heads - Comments on Incident Command Structure to CMM by 8/6/93.

Made By

Date

Page of

V3-20G-S

Job No.

Title

VAB.0001187667

F 26,5

FRI. 9AM 6/18/93

TO: [redacted], JEB, JME, TLC, SCH, DAM, JEN, JDO, CMM

FROM: CHRIS MARKERSON
DATE: JUNE 8, 1993

SUBJECT: CENTRAL SAFETY COMMITTEE MEETING - 6/11/93

AGENDA

TIME: 1:45

DATE: ~~FRIDAY, JUNE 11, 1993~~ Schedule Monday

PLACE: MAIN CONFERENCE ROOM

PURPOSE: CENTRAL SAFETY COMMITTEE MEETING

CONTENT:

SAFETY STATISTICS	1:45 - 2:00
VCM AND LEAD OVEREXPOSURES	2:00 - 2:10
SAFETY WORK ORDERS	2:10 - 2:15
INVESTIGATION ACTION ITEMS	2:15 - 2:30
AUDIT LOG REVIEW	2:30 - 2:35
AUDIT ACTION ITEMS	2:35 - 2:45
DRILL RECOMMENDATIONS	2:45 - 2:55
S.A.F.E. PROGRAM	2:55 - 3:20
ACTION STEPS	3:20 - 3:30

ITEMS TO BRING:

CALENDER

VISTA CHEMICAL COMPANY

ABERDEEN CHEMICAL PLANT

Central Safety Committee Meeting

Month of April, 1993

ON-THE-JOB INJURIES	Current Month		Current Y.T.D.		Previous Y.T.D.	
	No.	Freq.	No.	Freq.	No.	Freq.
First Aid Cases	0	0	5	3.7	9	6.2
Medical Cases	0	0	2	1.5	1	0.7
Restricted Workday Cases	0	0	3	2.2	2	1.4
Lost Workday Cases	0	0	1	0.7	0	0
Total Cases	0	0	11	8.2	12	8.3

Employee Hours	37,653	269,799	288,820

No. of Days Since Last LWC	205
No. of Days Since Last Recordable	37

OFF-THE-JOB INJURIES

Total Cases	0	4	6
Lost Days	13	69	41

CONTRACTOR INJURIES

First Aid Cases	0	0	3
Med.Treatment Cases	0	1	0
Lost Workday Cases	0	0	0

4 May, 1993

VAB.0001187669

ABERDEEN PLANT

RECORDABLE INJURY SUMMARY

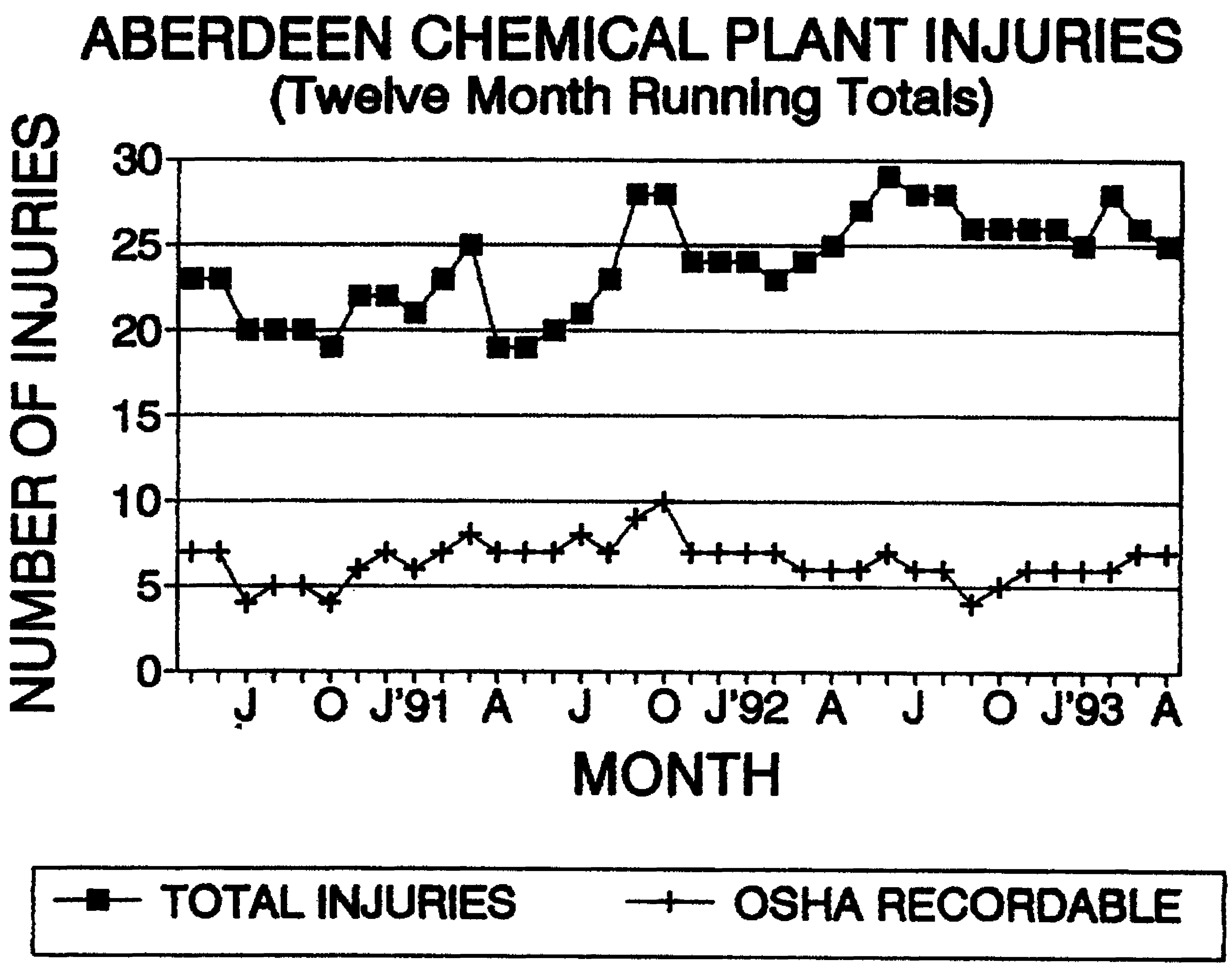
FY1992

DATE	NAME	DEPARTMENT	CLASS.	INJURY TYPE
10/23/91	L. REA	MAINTENENCE	RWC	SPRAIN - ANKLE
12/17/91	L. THREADGILL	MAINTENANCE	RWC	T BURNS - HANDS
2/12/92	T. STATEN	MAINTENANCE	MTO	LACERATION - HEAD
6/10/92	C. DAVIS	COMPOUND	MTO	CONTUSION - WRIST

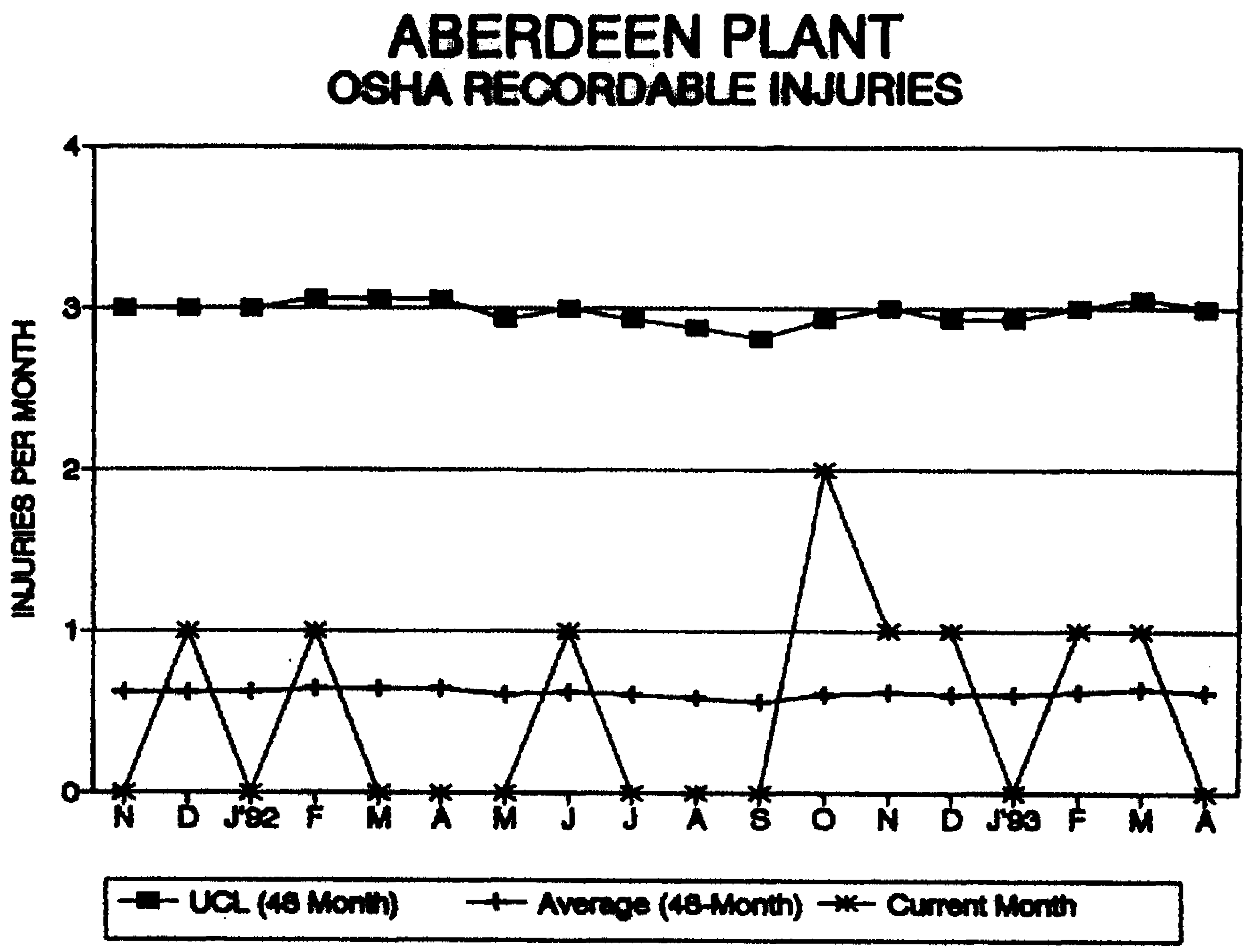
FY 1993

DATE	NAME	DEPARTMENT	CLASS.	INJURY TYPE
10/07/92	B. MCALLISTER	MAINTENANCE	LWC	CONTUSION - LUNG
10/29/92	A. PETTUS	COMPOUND	RWC	T BURNS - LEGS
11/25/92	C. REED	COMPOUND	RWC	CONTUSION - LEG
12/03/92	J. EASTMAN	YARD	MTO	T BURN - HAND
02/02/93	F. PHILLIPS	YARD	MTO	LACERATION - LEG
03/24/93	J. WHITE	MECHANICAL	RWC	TENDONITIS - LEG

4 May 1993


ABERDEEN CHEMICAL PLANT INJURIES
(Twelve Month Running Totals)
NUMBER OF INJURIES
30
25
20
15
10
5
0
J
O
J'91
A
J
O
J'92
A
J
O
J'93
A
MONTH
TOTAL INJURIES
OSHA RECORDABLE

4 May 1993

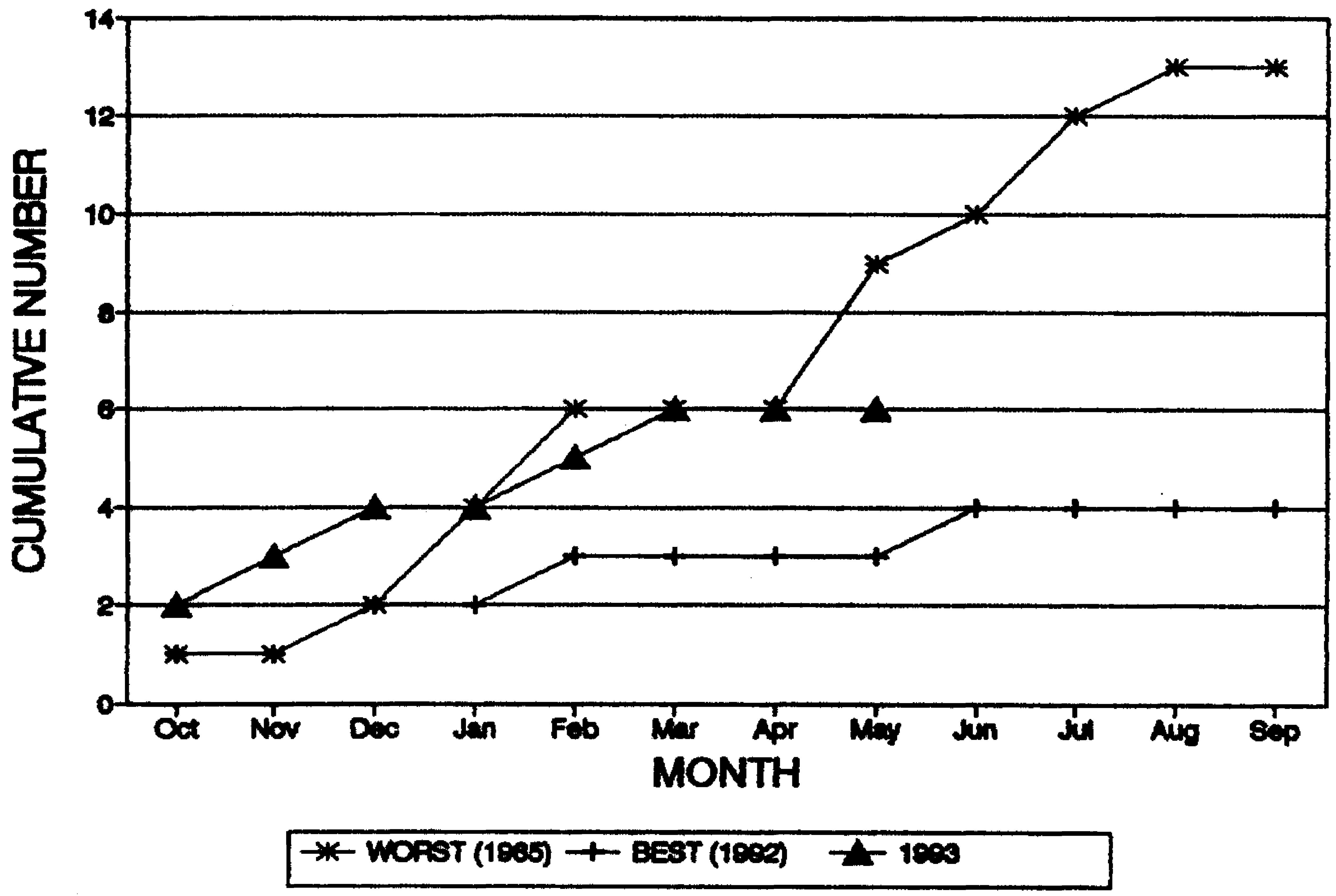


OSHA RECORDABLE INJURIES

	FISCAL YEAR						
	1987	1988	1989	1990	1991	1992	1993
Oct	0	0	0	1	0	1	2
Nov	1	0	0	1	3	0	1
Dec	0	1	2	0	1	1	1
Jan	1	0	0	1	0	0	0
Feb	0	0	0	0	1	1	1
Mar	3	0	0	0	1	0	1
Apr	1	0	1	1	0	0	0
May	0	2	3	0	0	0	
Jun	0	0	0	0	0	1	
Jul	1	1	3	0	1	0	
Aug	1	1	0	1	0	0	
Sep	0	1	0	0	2	0	
Totals	8	6	9	5	9	4	6

4 May 1993

ABERDEEN CHEMICAL PLANT
CUMULATIVE RECORDABLE INJURIES



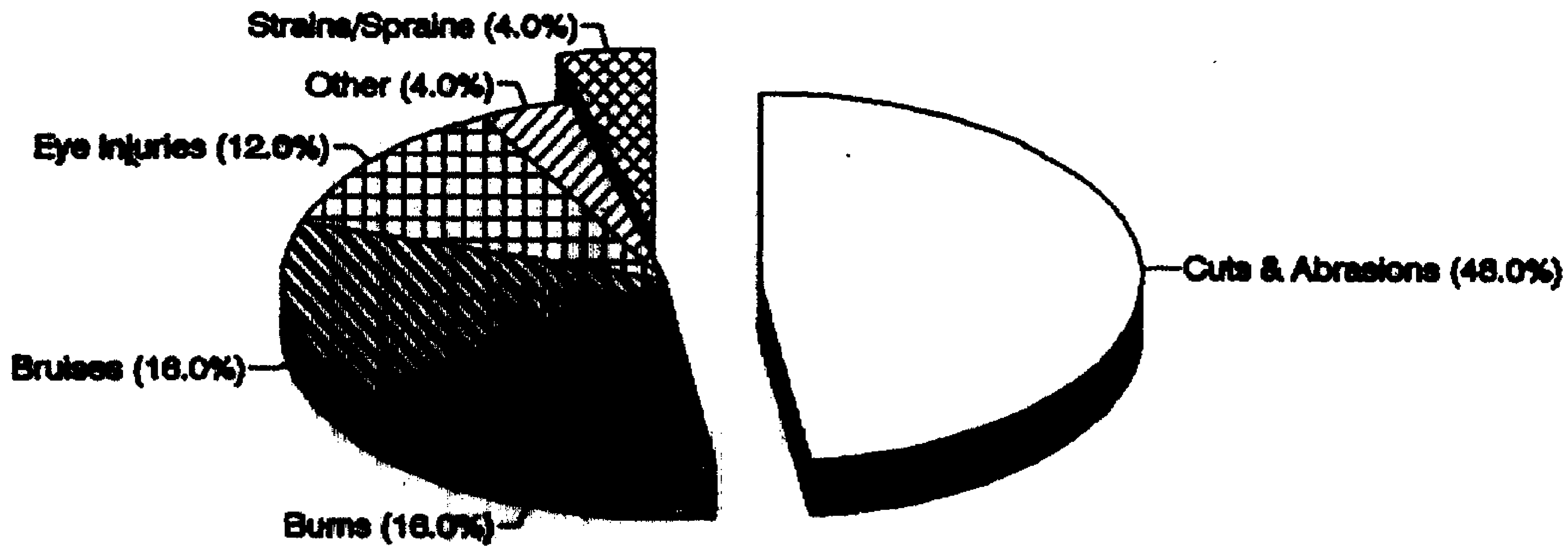
ABERDEEN OSHA RECORDABLE INJURIES

FISCAL YEAR

MONTH	1985	1986	1987	1988	1989	1990	1991	1992	1993
Oct	1	3	0	0	0	1	0	1	2
Nov	0	2	1	0	0	1	3	0	1
Dec	1	0	0	1	2	0	1	1	1
Jan	2	0	1	0	0	1	0	0	0
Feb	2	0	0	0	0	0	1	1	1
Mar	0	1	3	0	0	0	1	0	1
Apr	0	0	1	0	1	1	0	0	0
May	3	0	0	2	3	0	0	0	
Jun	1	0	0	0	0	0	0	1	
Jul	2	1	1	1	3	0	1	0	
Aug	1	2	1	1	0	1	0	0	
Sep	0	0	0	1	0	0	2	0	
TOTALS	13	9	8	6	9	5	9	4	6

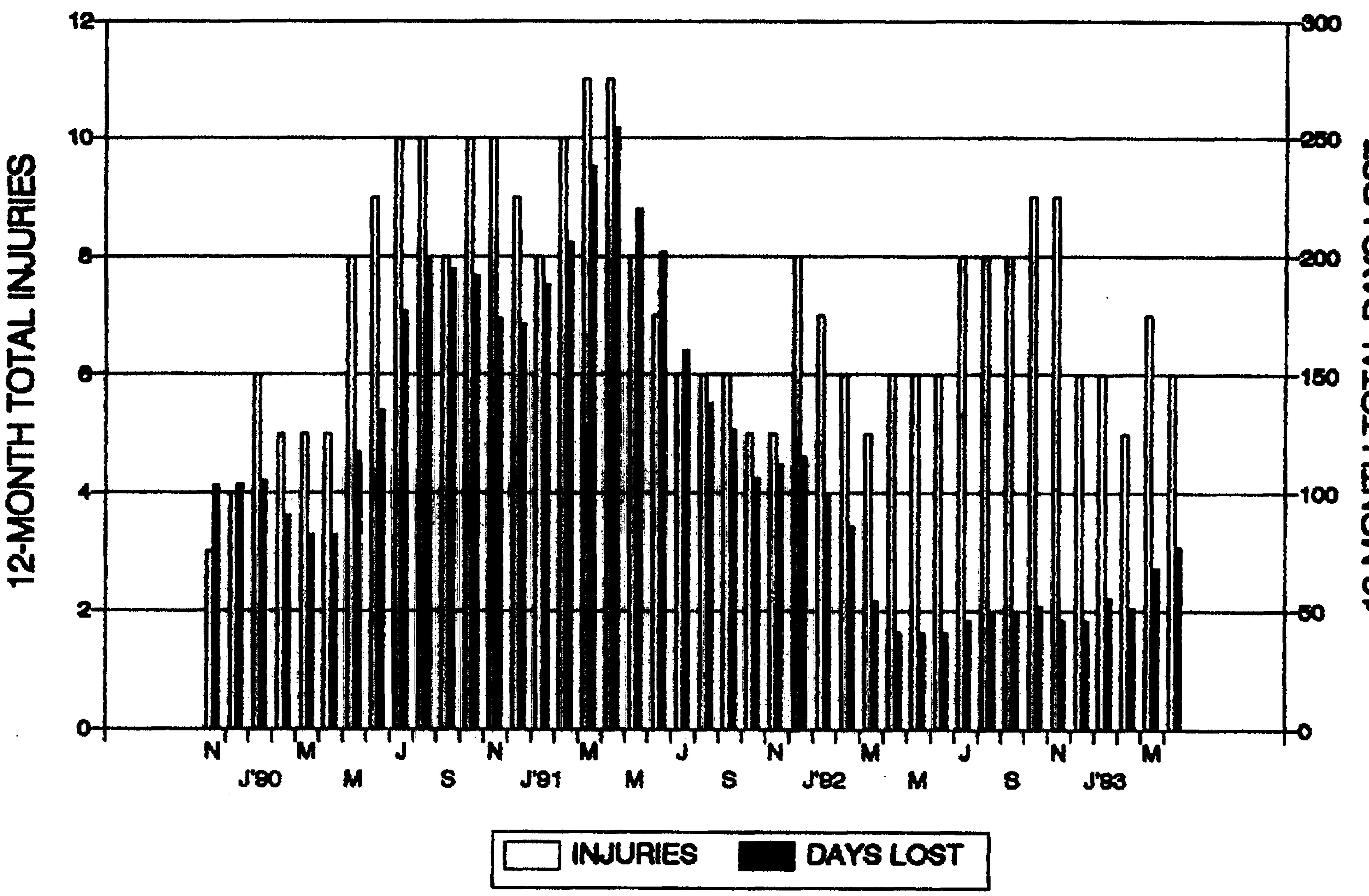
4 May 1993

ABERDEEN CHEMICAL PLANT TOTAL INJURIES
12-MONTH RUNNING TOTALS



4 May 1993

ABERDEEN CHEMICAL PLANT
OFF-THE-JOB INJURIES



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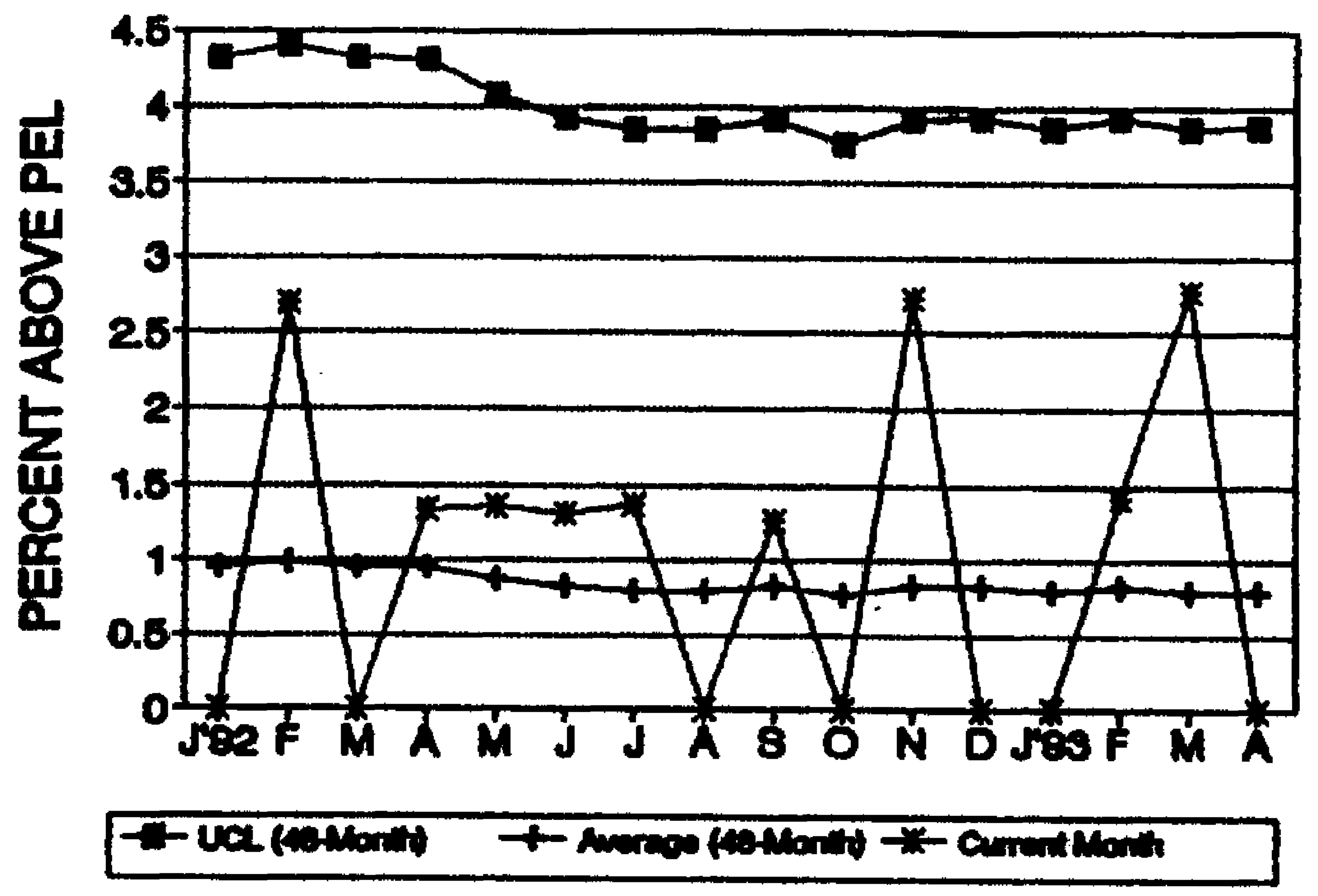
5 May 1993

ABERDEEN VCM OVEREXPOSURES
ALL DEPARTMENTS



ABERDEEN VCM OVEREXPOSURES

	Monthly Number								Fiscal Year Cumulative Number							
	Vinyl		Maint.		Other		Plant		Vinyl		Maint.		Other		Plant	
Month	R	NR	R	NR	R	NR	R	NR	R	NR	R	NR	R	NR	R	NR
Dec	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
Jan'92	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
Feb	0	0	2	0	0	0	2	0	1	1	2	0	0	0	3	1
Mar	0	0	0	0	0	0	0	0	1	1	2	0	0	0	3	1
Apr	0	0	0	1	0	0	0	1	1	1	2	1	0	0	3	2
May	1	0	0	0	0	0	1	0	2	1	2	1	0	0	4	2
Jun	0	0	1	0	0	0	1	0	2	1	3	1	0	0	5	2
Jul	0	0	1	0	0	0	1	0	2	1	4	1	0	0	6	2
Aug	0	0	0	0	0	0	0	0	2	1	4	1	0	0	6	2
Sep	0	1	0	0	0	0	0	1	2	2	4	1	0	0	6	3
Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nov	0	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1
Dec	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1
Jan'93	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1
Feb	1	0	0	0	0	0	1	0	1	0	1	1	0	0	2	1
Mar	1	0	0	1	0	0	1	1	2	0	1	2	0	0	3	2
Apr	0	0	0	0	0	0	0	0	2	0	1	2	0	0	3	2

R = With Respirator NR = Without Respirator

ABERDEEN PLANT

VINYL CHLORIDE MONOMER OVEREXPOSURE SUMMARY

FY 1992

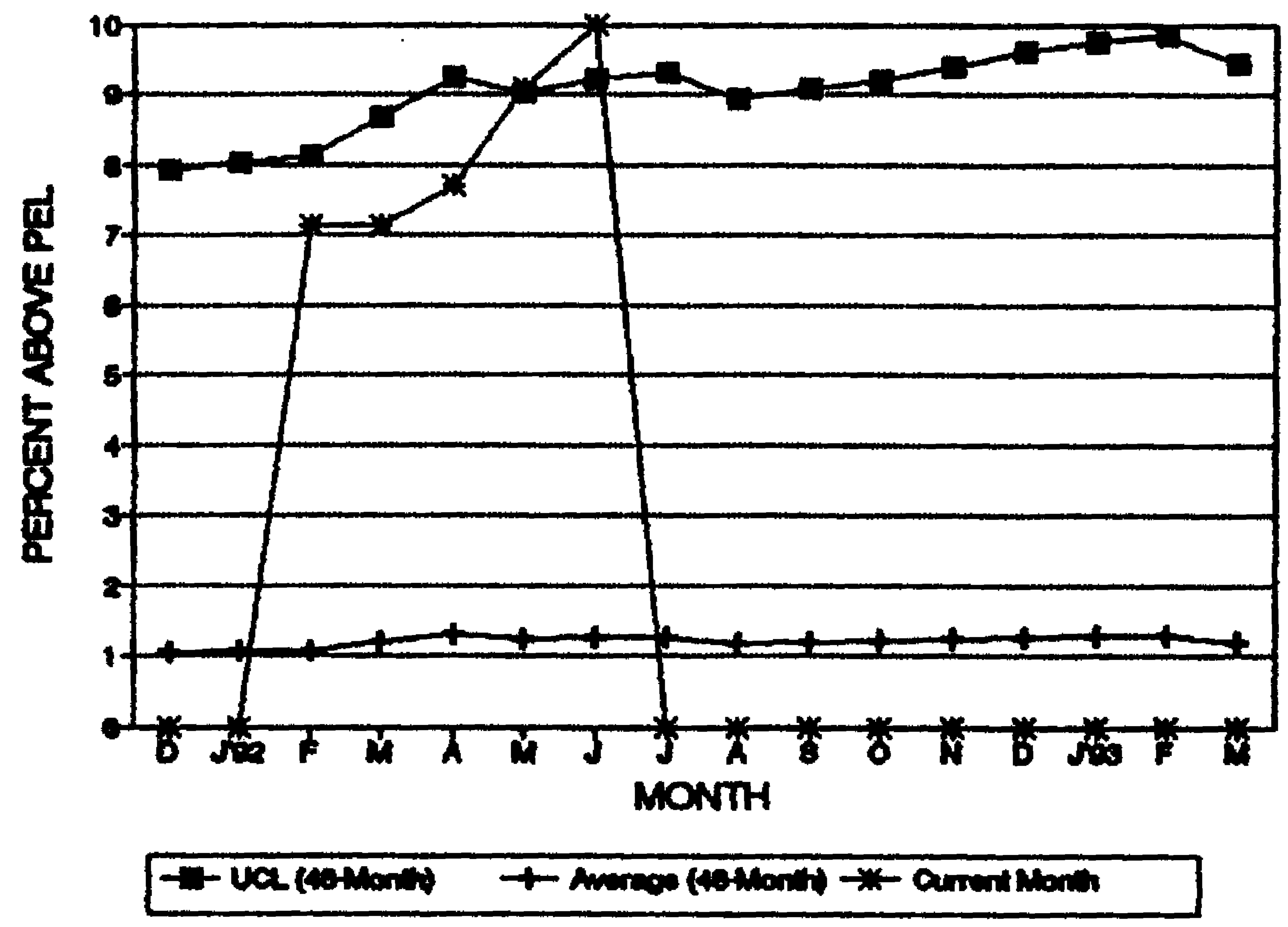
DATE	JOB	SHIFT	SAMPLE	RESP.	TASK
2/17	MECHANIC	DAY	3.02	NO	CHANGING SPRAYHEAD - 745 RX
2/17	MECHANIC	DAY	5.98	NO	CHANGING SPRAYHEAD - 745 RX
4/1	MECHANIC	DAY	6.9	NO	BLANKED D-500 CONDENSER
5/9	OU "A" OP	NIGHT	3.4	YES	CHANGING VCM FILTERS
6/16	MECHANIC	DAY	1.06	YES	REMOVED BLANK FROM RECOV. LINE
7/10	MECHANIC	DAY	1.8	YES	CHANGING OUT 903 COMPRESSOR
9/14	CHF. OP.	DAY	1.9	NO	UNKNOWN

FY 1993

11/15	MECHANIC	DAY	25.8	YES	RMV/RPLC RAM VALVE ON D400
11/19	MECHANIC	DAY	1.5	NO	CHG. RX SEAL ON 742
2/24	SHFT SUP	DAY	21.33	YES	OPENED D600 RX - HYDRO
3/3	MECHANIC	DAY	11.7	NO	LIQ. VCM LINE, WRKD ON CORKEN
3/15	OPERATOR	A	6.9	YES	CHNG RING SEAL H2O FILTERS
3/25	MECHANIC	DAY	2.0	NO	UNKNOWN

5 May 1993

ABERDEEN LEAD OVEREXPOSURES



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ABERDEEN PLANT

LEAD OVEREXPOSURE SUMMARY

FY 1992

DATE	JOB	SHIFT	SAMPLE	PEL	RESP.	POSSIBLE CAUSE
2/17	LN.3 CMPDR.	DAY	81.5	33.3	YES	CLEANING BLENDER
2/19	COLOR-WEIGH	DAY	90.1	33.3	YES	WEIGHING LEAD MAT.
3/4	COLOR-WEIGH	DAY	58.8	38.1	YES	WEIGHING LEAD MAT.
4/1	COLOR-WEIGH	NIGHT	56.8	50.0	YES	WEIGHUNG LEAD MAT.
5/8	COLOR-WEIGH	DAY	52.6	44.4	YES	WEIGHING LEAD MAT.
5/26	LN.1 CMPDR.	DAY	3983.5**	33.3	NO	NONE KNOWN
6/15	COLOR-WEIGH	DAY	72.1	36.4	YES	WEIGHING LEAD MAT.

** DOSIMETER WAS PUT ON A TABLE NEAR LINE #1 AND LEFT OVERNIGHT. IT MAY HAVE BEEN TAMPERED WITH. CONSIDERED AN INVALID SAMPLE.

FY 1993

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TO: C. M. MARKERSON

FROM: J.B. AUTREY
DATE: MAY 11, 1993

SUBJECT: SAFETY RELATED WORK ORDERS

The status of the safety related work orders prior to FY93 is as follows:

Waiting on Approval	-	8
Complete	-	73
In-Progress	-	2
		83

The safety related work orders for April, 1993, is as follows:

Waiting on Approval	-	0
Complete	-	6
In-Progress	-	2
		8

The safety related work orders for FY93 is as follows:

Waiting on Approval	-	0
Complete	-	31
In-Progress	-	2
		33

WORK ORDER SEARCH REPORT

DEPARTMENT 003

	WORK ORDER NO	STAT	WORK ORDER DESCRIPTION	EQUIPMENT	REQ	SUP	LOCATION	REC DATE
	~~93-016256-000~~	~~AA~~	~~REPAIR CIRCUIT BREAKER 80 FOR QC LAB PANEL~~	~~620000~~	~~AEB~~	~~FDA~~	~~NA~~	~~04/05/93~~
C	93-016491-000	AA	REPAIR STEAM LEAK ON LINE TO EAST MILL IN QC LAB.	770000	AEB	JDH	LA-B--002	04/23/93

WORK ORDER SEARCH REPORT

DEPARTMENT 008

WORK ORDER NO	STAT	WORK ORDER DESCRIPTION	EQUIPMENT	REQ	SUP	LOCATION	REC DATE
P 93-016533-000	AA	REPAIR SMOKE DETECTOR LOCATION #18 IN N.E. WHSE.	660000	CM	FDA	NA- -	04/27/93

WORK ORDER SEARCH REPORT

DEPARTMENT 011

WORK ORDER NO	STAT	WORK ORDER DESCRIPTION	EQUIPMENT	REQ	SUP	LOCATION	REC DATE
C 93-016592-000	AA	REPAIR THE EMERGENCY LIGHT ON WALL WEST OF #2	620000	CAC	FDA	NA- -	04/30/93

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VISTA CHEMICALS PLANT 05/04/93 08:03:28 PAGE 7

WORK ORDER SEARCH REPORT

DEPARTMENT 055

	WORK ORDER NO	STAT	WORK ORDER DESCRIPTION	EQUIPMENT	REQ	SUP	LOCATION	REC DATE
	~~92-008320-000~~	~~AA~~	~~PAINT NEW PIPE UNDER NEW RELIEF VALVES UNDER~~	~~370000~~	~~SAT~~	~~CAC~~	~~NA~~	~~10/23/91~~
P	92-012588-000	AA	REPAIR THE DECK UNDER THE 500 SERIES SILOS----	690000	LMS	CAC	NA- -	07/22/92
e	93-014910-000	AA	INSULATE THE STEAM PIPING AT THE P.A. UNLOADING	420000	LDH	GAM	NA- -	12/30/92
	~~93-015813-000~~	~~AA~~	~~RELOCATE GROUND ROD BETWEEN #1 AND #2 VCM~~	~~310000~~	~~LDH~~	~~FDA~~	~~NA~~	~~03/05/93~~
	~~93-016203-000~~	~~AA~~	~~COVER COST TO REPAIR INSTRUMENTATION FOR THE~~	~~570000~~	~~JLW~~	~~GAM~~	~~DM 061~~	~~03/31/93~~
	~~93-016303-000~~	~~AA~~	~~REPLACE SECTION OF 3" VAPOR LINE TO NORTH STATION~~	~~770000~~	~~LDH~~	~~GAM~~	~~NA~~	~~04/08/93~~

WORK ORDER SEARCH REPORT

DEPARTMENT 089

	WORK ORDER NO	STAT	WORK ORDER DESCRIPTION	EQUIPMENT	REQ	SUP	LOCATION	REC DATE
P	92-012441-000	AA	INSTALL FIRE EXTINGUSHERS ON TOP OF 410 & 417 SILO	660000	CW	FDA	NA- -	07/13/92
C	93-016556-000	AA	REPAIR COMBUSTIBLE GAS DETECTORS	660000	TLN	FDA	NA- -	04/28/93

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WORK ORDER SEARCH REPORT

DEPARTMENT 090

	WORK ORDER NO	STAT	WORK ORDER DESCRIPTION	EQUIPMENT	REQ	SUP	LOCATION	REC DATE	
	~~93-016101-000~~	~~AA~~	~~INSULATE 3" CONDENSATE RETURN LINE FROM LINE 1~~	~~420000~~	~~TLN~~	~~GAN~~	~~NA~~	~~03/30/93~~	
c	~~93-016255-000~~	~~AA~~	~~REPAIR EMERGENCY STOP FOR LINE I MILL~~	~~480005~~	~~RGG~~	~~FDA~~	~~GR 005~~	~~04/05/93~~	OK
	~~93-016305-000~~	~~AA~~	~~REPAIR COVER HEAD SWITCH ON #1 DIGER~~	~~430001~~	~~JON~~	~~FDA~~	~~DI 001~~	~~04/08/93~~	
	~~93-016555-000~~	~~AA~~	~~REPAIR LINE I PIG CONVEYOR, WILL NOT RUN IN AUTO.~~	~~620006~~	~~RGG~~	~~FDA~~	~~NA~~	~~04/20/93~~	

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WORK ORDER SEARCH REPORT

DEPARTMENT 091

	WORK ORDER NO	STAT	WORK ORDER DESCRIPTION	EQUIPMENT	REQ	SUP	LOCATION	REC DATE
	~~93-016511-000~~	~~AA~~	~~REPAIR STEAM LEAK ON HYDROTHERM PIPING LINE III.~~	~~770000~~	~~WD~~	~~JDH~~	~~NA-~~	~~04/26/93~~
c	93-016594-000	AA	UNPLUG VACUUM SYSTEM LINE BY THE SEMI-BULK LEAD	770000	WD	JDH	NA- -	04/30/93
	~~93-016595-000~~	~~AA~~	~~REPAIR LIGHTS OVER CHARGE PLATFORM ON LINE 3~~	~~620000~~	~~WD~~	~~FDA~~	~~NA-~~	~~04/30/93~~
	~~93-016632-000~~	~~AA~~	~~REPLACE GRATING BEHIND LINE III FGH~~	~~690000~~	~~BG~~	~~JDH~~	~~NA-~~	~~05/04/93~~

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WORK ORDER SEARCH REPORT

DEPARTMENT 094

	WORK ORDER NO	STAT	WORK ORDER DESCRIPTION	EQUIPMENT	REQ	SUP	LOCATION	REC DATE
	~~93-016105-000~~	~~AA~~	~~WELD ON RX 742 JACKET~~	~~450742~~	~~DFJ~~	~~GAN~~	~~RX 742~~	~~03/24/93~~
P	93-016257-000	AA	CHECK AND CALIBRATE HONEYWELL - NEW MODULE	570000	BFN	FDA	NA- -	04/05/93
	~~93-016300-000~~	~~AA~~	~~REPAIR THE RESET BUTTON ON 901 VACUUM PUMP BREAKER~~	~~620000~~	~~OCP~~	~~FDA~~	~~NA~~	~~04/08/93~~
C	93-016306-000	AA	REPAIR CAUSTIC LEAK AT CHECK VALVE ON DISCHARGE OF	770000	OCP	FWF	NA- -	04/08/93

WORK ORDER SEARCH REPORT

DEPARTMENT 096

	WORK ORDER NO	STAT	WORK ORDER DESCRIPTION	EQUIPMENT	REQ	SUP	LOCATION	REC DATE
	~~91-004529-000~~	~~AA~~	~~REPLACE WKM VALVES WITH BLOW OUT STEMS~~	~~770000~~	~~GSN~~		~~NA~~ -	~~02/26/91~~
C	92-011026-000	AA	INSTALL A SAFETY SIGN NORTH OF D-741 RX	310000	JR	CAC	NA- -	04/09/92

WORK ORDER SEARCH REPORT

DEPARTMENT 097

	WORK ORDER NO	STAT	WORK ORDER DESCRIPTION	EQUIPMENT	REQ	SUP	LOCATION	REC DATE
C	93-016024-000	AA	REPAIR LEAK ON THE CAUSTIC UNLOADING LINE	770000	JOH	GAM	TK---101	03/18/93
	~~93-016356-000~~	~~AA~~	~~REPLACE THE GASKET AT FLANGE ON RX-4 STEAM TRAP~~	~~770000~~	~~JEW~~	~~JDH~~	~~NA~~	~~04/13/93~~
	~~93-016552-000~~	~~AA~~	~~REPAIR STEAM LEAK AT FLANGE ABOVE STEAM PITT ON~~	~~770000~~	~~JEW~~	~~JDH~~	~~NA~~	~~04/28/93~~
	~~93-016572-000~~	~~AA~~	~~REPAIR STEAM TRACING LEAK AT SOUTHEAST CORNER OF~~	~~770000~~	~~RWS~~	~~JDH~~	~~NA~~	~~04/29/93~~

WORK ORDER SEARCH REPORT

DEPARTMENT 093

WORK ORDER NO	STAT	WORK ORDER DESCRIPTION	EQUIPMENT	REQ	SUP	LOCATION	REC DATE
92-010798-000	WA	INSTALL MANWAY HINGES ON THE BOTTOM OF D-300 RX	450300	FWF	GAM	RX---300	03/25/92
92-010799-000	WA	INSTALL MANWAY HINGES ON THE BOTTOM OF D-400 RX	450400	FWF	GAM	RX---400	03/25/92
92-010800-000	WA	INSTALL MANWAY HINGES ON THE BOTTOM OF D-500 RX	450500	FWF	GAM	RX---500	03/25/92
92-010801-000	WA	INSTALL MANWAY HINGES ON THE BOTTOM OF D-600 RX	450600	FWF	GAM	RX---600	03/25/92

WORK ORDER SEARCH REPORT

PARTMENT 094

WORK ORDER NO	STAT	WORK ORDER DESCRIPTION	EQUIPMENT	REQ	SUP	LOCATION	REC DATE
92-010802-000	WA	INSTALL MANWAY HINGES ON THE BOTTOM OF D-741 RX	450741	FWF	GAN	RX---741	03/25/92
92-010803-000	WA	INSTALL MANWAY HINGES ON THE BOTTOM OF D-742 RX	450742	FWF	GAN	RX---742	03/25/92
92-010804-000	WA	INSTALL MANWAY HINGES ON THE BOTTOM OF D-743 RX	450743	FWF	GAN	RX---743	03/25/92
92-010805-000	WA	INSTALL MANWAY HINGES ON THE BOTTOM OF D-744 RX	450744	FWF	GAN	RX---744	03/25/92

ACCIDENT INVESTIGATION RECOMENDATIONS STATUS REPORT

ACCIDENT NUMBER	DATE	ACCIDENT	RECOMMENDATION	STATUS	RESPONSIBILITY	ESTIMATED COMPLETION DATE
	/ /					/ /
91NM2	03/09/91	E. INCINERATOR FIRE	REVIEW CONTROL ROOM PRESSURIZATION DURING AN EMERGENCY	PROCEDURE IS BEING CHANGED AND A SHUT-OFF BUTTON IS BEING INSTALLED IN THE CONTROL ROOM.	JEN/DAN	04/01/93
91NM3	08/16/91	BULK TRAILER RUPTURE	DEVISE & IMPLEMENT A PLAN TO RESTRICT ACCESS TO BULK TRAILER UNLOADING AREAS TO OPERATORS ONLY.	COMPOUND COMPLETE, LINE AREA IN PROGRESS	JDO	04/01/93
92NM1	02/27/92	D-700 EVAC. VALVE MALFUNCTION	AS VALVES BECOME AVAILABLE, DISASSEMBLE AND ASSURE THAT INDICATOR ARMS ARE ON STEMS.	IN PROGRESS	DAN	06/01/93
92NM1	02/27/92	D-700 EVAC. VALVE MALFUNCTION	PHASE OUT THE 722 ACTUATORS REPLACE WITH 725 ACTUATORS.	IN PROGRESS	DAN	06/01/93
	/ /					/ /
92NM1	02/27/92	D-700 EVAC. VALVE MALFUNCTION	INSTALL A PRESSURE SWITCH AND INTERLOCK ON EACH EVAC. CHAMBER.	CONSTRUCTION IN PROGRESS	JEN/JDO	04/01/93
	/ /					/ /
92NM2	06/26/92	P-1 TRANSFER LINE CHECK VALVE FAILURE.	EVALUATE PIPING SPECIFICATIONS TO DETERMINE IF EXISTING PIPING IS ACCEPTABLE FOR THE APPLICATION.	COMPLETE, MODIFICATIONS IN PROGRESS	JEN	05/01/93
	/ /					/ /
	/ /					/ /
	/ /					/ /
	/ /					/ /
92NM6	09/08/92	PLASTICIZER UNLOADING LINE PRESSURIZATION	REVISE PLASTICIZER UNLOADING PIPING SO THAT NO LINE CAN BE BLOCKED IN WHEN FULL OF PLASTICIZER.	IN PROGRESS - LOW PRIORITY	JEN	10/01/93
	/ /					/ /
92NM6	09/08/92	PLASTICIZER UNLOADING LINE PRESSURIZATION	CONDUCT A PLANT-WIDE SURVEY TO IDENTIFY AND ADDITIONAL LIQUID-PACKED LINES THAT MAY EXIST IN OTHER PARTS OF THE PLANT.	COMPLETE FOR COMPOUND AND UTILITIES, VINYL TO PERFORM	JDO	05/31/92

ACCIDENT INVESTIGATION
RECOMENDATIONS
STATUS REPORT

ACCIDENT NUMBER	DATE	ACCIDENT	RECOMMENDATION	STATUS	RESPONSIBILITY	ESTIMATED COMPLETION DATE
	/ /					/ /
	/ /					/ /
	/ /					/ /
93LT1	10/07/92	B. MCALLISTER LOST TIME INJURY	DETERMINE THE BEST METHOD FOR SECURING A LIFT TRUCK FOR MAINTENANCE.	DEVELOPED AND IN PRACTICE BUT NEEDS TO BE WRITTEN	DAM	06/01/93
93LT1	10/07/92	B. MCALLISTER LOST TIME INJURY	DETERMINE THE MEANS OF CONTROL REQUIRED TO POSITIVELY RESTRAIN MOVEMENT OF EQUIPMENT DURING AUTOMOTIVE MAINTENANCE IN WHICH THE EQUIPMENT'S ENGINE IS RUNNING AND AN OPERATOR IS NOT IN THE NORMAL OPERATOR POSITION.	IMPLEMENTED PROCEDURE, NOT WRITTEN.	DAM	06/01/93
	/ /					/ /
93LT1	10/07/92	B. MCALLISTER LOST TIME INJURY	REVIEW EXISTING PLANT POLICIES AND PRACTICES CONCERNING FORK LIFT OPRATIONS TO ENSURE THAT THEY ADDRESS SHUTDOWN OF THE ENGINE WHENEVER THE OPERATOR LEAVES THE DRIVER'S SEAT.	IN PROGRESS	CMM	06/30/92
93LT1	10/07/92	B. MCALLISTER LOST TIME INJURY	DETERMINE THE NEED FOR THE HYDRAULIC LIFT.	COMPLETE, TO BE REPLACED	DAM	06/01/93
	/ /					/ /
	/ /					/ /
93LT1	10/07/92	B. MCALLISTER LOST TIME INJURY	ESTABLISH A FORMAL FORK LIFT INSPECTION PROGRAM FOR ALL PERSONNEL WHO MAY INSPECT A FORK LIFT. PROGRAM MUST INCLUDE DOCUMENTATION, RECORDS RETENTION, AND TRAINING REQUIREMENTS AND BE CONSISTENT WITH OSHA REGULATION CONCERNING LIFT TRUCKS.	IN PROGRESS	DAM	06/01/93
93LT1	10/07/92	B. MCALLISTER LOST TIME INJURY	DEVELOPE FORMAL PROCEDURES FOR PERFORMING MAINTENANCE WORK ON FORK LIFTS. TRAIN ALL EFFECTED EMPLOYEES.	IMPLEMENTED LOCKOUT PROCEDURE, NOT WRITTEN.	DAM	06/01/93
	/ /					/ /

ACCIDENT INVESTIGATION
RECOMENDATIONS
STATUS REPORT

ACCIDENT NUMBER	DATE	ACCIDENT	RECOMMENDATION	STATUS	RESPONSIBILITY	ESTIMATED COMPLETION DATE
	/ /					/ /
	/ /					/ /
	/ /					/ /
93NM1	11/25/92	CHARLES REED CONTUSION TO LEG - SLIP	SURVEY OTHER TRAFFIC AREAS WHERE SIMILAR PROBLEMS COULD OCCUR. MAKE MODIFICAITONS AS NEEDED.	IN PROGRESS - COMPOUND, OTHERS NEEDED	DH's	05/01/93
93NM1	11/25/92	CHARLES REED CONTUSION TO LEG - SLIP	REVIEW THIS INCIDENT WITH THE DEPARTMENT AND PLANT. EMPHASIZE AWARENESS OF POTENTIAL PROBLEMS AND THE NEED TO RELOCATE SAFETY DEVICES TO THEIR ORIGINAL LOCATION.	IN PROGRESS	DH's	03/01/93
93NM2	12/03/92	PHTHALIC ANHYDRIDE SPILL - JERRY EASTMAN MTO	REVIEW PROPER PROCEDURES FOR REPORTING OF ALL INJURIES.	COMPLETE	DH's	03/01/93
93NM2	12/03/92	PHTHALIC ANHYDRIDE SPILL - JERRY EASTMAN MTO	REVIEW PHTHALIC ANHYDRIDE AND CAUSTIC MSDS FOR FIRST AID TREATMENT AND SPILLS, TRAINING PACKET TO BE PROVIDED TO SUPERVISORS.	IN PROGRESS	CMM / SUPS.	04/01/93
	/ /					/ /
	/ /					/ /
	/ /					/ /
93NM4	02/02/93	FREDDIE PHILLIPS - MTO	COMMUNICATE TO ALL EMPLOYEES THE IMPORTANCE AND REQUIREMENT FOR: PROPER PLANNING OF ALL JOBS, SELECTION OF THE CORRECT TOOL FOR THE JOB, AND TAKING THE NECESSARY TIME TO PERFORM ALL JOBS IN THE SAFEST POSSIBLE MANNER.	IN PROGRESS	DH's	04/01/93
93NM5	03/25/93	JIM WHITE - TENDONITIS	REVIEW THIS INJURY WITH PLANT PERSONNEL	IN PROGRESS	SUPERVISORS	06/30/93
93NM5	03/25/93	JIM WHITE TENDONITIS	ENCOURAGE EVERYONE TO EXERCISE CAUTION WHEN PERFORMING TASK WHICH THEY ARE UNACCUSTOMED, ESPECIALLY THOSE INVOLVING SUDDEN AND/OR REPETATIVE MOTIONS.	IN PROGRESS	SUPERVISORS	06/30/93

ABERDEEN PLANT
SAFETY REVIEW LOG

REVIEW NUMBER	REVIEW NAME	LAST REVIEW DATE	ACTION STEPS TAKEN?	FY90	FY91	FY92	FY93	FY94	FY95	FY96
90-1	CATALYST FREEZERS	APR 93	YES				MAY			
90-2	REACTOR SEAL OIL SYSTEM	MAY 90	YES						MAY	
90-3	WASTE STORAGE	MAY 90	YES	OCT						
90-4	EXPLOSIVE GAS MIXTURE MONITORS	SEP 92	YES		SEP	SEP				
90-5	CATALYST INJECTION POTS	MAY 90	YES		MAY					
90-6	RUPTURE DISK INSTALLATION	FEB 90	YES		FEB					
90-7	PLANT CHLORINE SYSTEMS	SEP 92	YES		SEP	SEP				
90-8	LADDER PROGRAM	MAY 90	YES		MAY					
90-9	VCM UNLOADING SYSTEM	MAY 90	NO		MAY					
90-10	LEAD IN THE LAB	SEPT 90	YES							
90-11	HEARING SAFETY	SEPT 90	NO		SEPT					
90-12	500 SERIES SILOS	SEPT 90	YES				SEPT			
90-13	3-M AIR HATS	SEPT 90	YES		SEPT					
90-14	CORKIN COMPRESSORS	SEPT 90	YES	DEC						
90-15	SULFURIC ACID UNLOADING AND STORAGE	SEPT 90	YES		SEPT					
90-16	OVERHEAD AND TRUCK CRANES AND SLINGS	SEPT 90	YES		FEB					
90-17	SCAFFOLDING INSPECTION PROCEDURE	JULY92	YES			JULY	DEC			
91-1	OXYGEN MONITORS AUDIT	MAY 92	NO		FEB	MAY				
91-2	ACID CLEANING RIG	FEB 91	YES			FEB				
91-3	VCM BLEEDERS	MAR 91	YES		SEPT					

ABERDEEN PLANT
SAFETY REVIEW LOG

REVIEW NUMBER	REVIEW NAME	LAST REVIEW DATE	ACTION STEPS TAKEN?	FY90	FY91	FY92	FY93	FY94	FY95	FY96
91-4	BREATHING AIR SYSTEM	MAR 91	NO		SEPT					
91-5	COMPRESSED GAS CYL. STORAGE (LAB)	MAR 91	YES							MAR
91-6	BIO DISK SAFETY	MAY 91	YES				MAY			
91-7	HAND TOOL INSPECTION	DEC 90	YES							
91-8	DELUGE SYSTEM	FEB 93	YES		MAY	MAY	FEB			
91-9	ENVIRONMENTAL SAMPLING	JUN 91	YES			JUN				
91-10	REACTOR INTERLOCKS	JUN 91	YES				JUN			
92-1	CMPD. MILL ROLL ERMERGENCY STOPS	MAR 92	NO				MAR			
92-2	BULK TRUCK UNLOADING	MAR 92	NO				MAR			
92-5	BULK NITROGEN SYSTEM									
92-6	VCM OSHA REGULATIONS									
92-8	MANBASKET PROCEDURE & EQUIPMENT	SEP 92	NO							

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SAFETY REVIEW
REPORT

REPORT NUMBER	REVIEW DATE	REVIEWER	RECOMMENDATION	STATUS	RESPONS.	COMP. DATE
90-9	MAY 90	DCS	INSTALL LOW PRESS. SHUTDOWN ON #1 CORKIN PUMP	~~CONSTRUCTION IS IN PROGRESS~~ Done	DAM	04/01/93
90-11	SEPT 90	GAM	UPDATE PLANT NOISE SURVEY	COOP ENGINERING PROJECT FOR SUMMER 93	CMM	09/01/93
91-4	MAR 91	WBG	MOVE LOW PRESS. ALARM FOR FRESH AIR SYS.	CONSTRUCTION COMPLETE. NEEDS ACCEPTANCE Done	DAM	02/01/93
91-4	MAR 91	WBG	PUT H2O LEVEL ALARM IN FRESH AIR TANK	CONSTRUCTION COMPLETE. NEEDS ACCEPTANCE Done	DAM	02/01/93
92-1	MAR 92	JVU	INSTALL EFFECTIVE STOP ALARMS.	MISC. CAP. PROJECT - IN ENGINEERING	SCH	~~04/01/93~~ 8/1/93
						/ /
92-1	MAR 92	LDH	EVALUATE EXISTING FALL PROTECTION EQUIPMENT	COMPLETE	JDO	01/01/93
~~92-2~~	~~MAR 92~~	~~LDH~~	~~EVALUATE A TRUCK WASH DOWN STATION TO ELIMINATE SLIP HAZARD IN WINTER.~~	~~IN PROGRESS~~	~~JDO~~	~~03/01/93~~
92-2	MAR 92	LDH	UPDATE HOPPER TRUCK (UN)LOADING OPERATING PROCEDURES.	IN PROGRESS	JDO	~~03/01/93~~ 09/1/93
92-4	09/92	MLC	UPDATE MANBASKET CERTIFICATION STAMP		DAM	/ /
92-4	09/92	MLC	SET UP MANBASKET IN VMS FOR RECERTIFICATION AND STAMPING		DAM	/ /
92-3	09/92	MLC	SYSTEM TO BE PROOF TESTED AFTER MODIFICATIONS AS PER SAFETY AUDIT.		DAM	/ /
92-4	9/92	MLC	INSTALL GRAB RAIL AROUND THE ENTIRE PERIMETER OF INSIDE BASKET		MLC	/ /

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SAFETY REVIEW
REPORT

REPORT NUMBER	REVIEW DATE	REVIEWER	RECOMMENDATION	STATUS	RESPONS.	COMP. DATE
92-4	9/92	MLC	PROVIDE OVERHEAD PROTECTION ON BASKET		MLC	/ /
92-4	9/92	MLC	ENSURE PROPER RATING ON RIGGING AND PROOF TEST		DAM	/ /
92-4	9/92	MLC	DOCUMENT LOAD RATING OF WIRE AND THEN PROOF		DAM	/ /
92-4	9/92	MLC	MARK BOOM TO GIVE OPERATOR CLEAR INDICATION OF BOOM LENGTH		DAM	/ /
92-4	9/92	MLC	PROOF TEST AND DOCUMENT TEST TO ANTI-TWO-BLOCKING DEVICE		DAM	/ /
93-1	2/93	DEK	INSTALL DELUGE OVER FILTER PACKS IN OLD AND NEW MODULES		CMM	/ /
93-1	2/93	DEK	INSTALL DELUGE OVER D-600 LOW-MOLE SLURRY PUMPS.		CMM	/ /
93-1	2/93	DEK	SET UP P.M. SCHEDULE FOR HEAT SENSORS.		CMM	/ /
93-1	2/93	DEK	DELUGE SYSTEM OVER BULLETS SHOULD BE DISABLED.		CMM	/ /
93-1	9/93	DEK	POSITION NORTHERN MOST MONITOR TO REACH D-300 REACTOR		CMM	/ /
93-2	4/93	RHS	INVESTIGATE IMPROVED LATCHING SYSTEM		JDO	/ /
93-2	4/93	RHS	INVESTIGATE AND CORRECT CONDENSATE DRAINAGE ON FLOORS		JDO	/ /
93-2	4/93	RHS	WRITE A W.O. TO HAVE SERRATED GRATING INSTALLED OVER FLOORS		JDO	/ /

SAFETY REVIEW
REPORT

REPORT NUMBER	REVIEW DATE	REVIEWER	RECOMMENDATION	STATUS	RESPONS.	COMP. DATE
93-2	4/93	RHS	INVESTIGATE NEED FOR ADDITIONAL FIRE PROTECTION IN WALKIN FREEZER AREA		CMM	/ /
93-2	4/93	RHS	IMPLEMENT P.M. FOR OPERATION OF TEMP. ALARMS ON ALL FREEZERS		JDO	/ /
93-2	4/93	RHS	WRITE W.O. TO HAVE LIGHTS REPLACED WITH A LOW TEMP. TOLERANT LIGHT.		JDO	/ /
93-2	4/93	RHS	IMPLEMENT A PM SCHEDULE FOR INSPECTING AND REPLACING DOOR GASKETS			/ /
						/ /
						/ /

DRILL RECOMMENDATIONS (FY 92)

Table Top Drill		Respons.
1.	Determine who directs the ambulance at night.	CMM
2.	Determine how many Scott AirPaks in areas.	CMM
3.	Provide specific emergency duty training.	CMM
4.	Establish tornado evacuation sites.	CMM
5.	Provide tornado training.	CMM

VCM Tankfarm Drill

1.	Assign personnel to report to pump houses (day and night).	CMM
2.	Assign personnel for traffic control during emergencies.	JEN
3.	Evaluate use of flashing lights when p.a. system can't be heard.	CMM

Laboratory Drill

1.	Determine who is supposed to meet the ambulance?	CMM

Bomb Threat Drill

1.	Create and train a crisis management team.	JEB
2.	Train personnel on treatment of threatening phone calls.	CMM
3.	Establish a crisis command center for team above.	CMM / JEB

Plasticizer Tankfarm Drill

1.	Provide annual hose handling practice.	CMM

New Unit Recovery Drill

1.	Review procedure for dealing with fatalities.	CMM&JEB
2.	Call the fire dept. as soon as fire is detected/reported	CMM

MERCAPTAIN RESPONSE

1.	In response to a possible gas release, the boiler house should shut the gas off from outside.	DAM
2.	The plant emergency alarm should be sounded for suspected gas releases.	CMM
3.	The emergency plan should address who turns off the A/C for various areas and where.	CMM
4.	Determine how to best handle outbound traffic during emergency situations.	JVU
5.	Increase knowledge and procedures on operation of gas heaters	DAM
6.	The pipeline operator shall notify the plant prior to adding mercaptain in the future.	GAM
Done 7.	Determine fastest and most effective way to contact pipeline operator; numbers correct / up to date.	DAM
8.	Procedure needs to be developed to address reseating the relief valve at the receiving station when the gas has been shut-off.	DAM

9. ~~Procedures should be developed to notify the boiler house prior to shutting down a large source of steam consumption.~~ ~~SCH/JDQ~~

10.	A MSDS for mercaptain shall be obtained. Done	JVU
11.	The availability of a good, reliable combustible gas instrument should be addressed.	CMM
12.	The emergency plan shall address community notifications for such events and who is responsible for ensuring notification takes place.	CMM

TORNADO DRILL 93

1.	Line 1 operator upstairs did not hear the alarm	CMM
2.	Contractors working near rail scale did not hear the alarm	CMM
3.	Phone numbers to the evacuation / assembly areas shall be put on the phone list.	CMM
4.	Better guidance on proper shelter areas for weather shall be provided.	CMM
5.	The use of radios for drills and emergencies shall be clarified	CMM
6.	Provide a weather monitor for the compound supervisors office	SCH
7.	Tornado procedures shall be revised to address watch, warning, and alert levels as noted in the 5/21 memo.	CMM

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Interoffice Communication

VISTA

TO: DISTRIBUTION

FROM: H. Garrison
DATE: November 13, 1989

SUBJECT: SAFE PROGRAM

The Plant Manager's Natural Team has analyzed the SAFE program and based on the results of FY 1989, has made several revisions to the program. We believe the revisions will improve the overall effectiveness of the program and will recognize and provide incentive for identification/corrective action for safety deficiencies which impair our ability to improve our plant's safety performance.

The revisions include a change in categories and definitions of observations made. There are five categories and each carry a point value (maximum = 4, minimum = 1). Your weekly goal is based on a minimum number of points/week versus a minimum number of reports/week and is dependent on your department and job duties (closely parallels last year's goals). The following attachments are provided to help better define the revised program:

Attachment I	Revised SAFE Reporting Form
Attachment II	Scoring System/FY 1990 Goals
Attachment III	Category Definitions/Examples

The revised program will become effective December 3, 1989.

If you have any questions or comments, please pass them on to your department head.

H. Garrison

H. GARRISON
PLANT MANAGER

HDG/gsc
SAFE.113

Distribution:

AWS	BJM	RDF	AJW
JJM	JBB	REB	RSB
JDH	GHF	AED	JMC
	JDG	MLC	TCL
	JES	WGC	DFN
			HWW

cc: THH

VAB.0001187703

SAFE

Supervisory Action For Excellence

Observation Classification:

- ☐ **UNSAFE ACT - Obvious Potential For Injury (4 Points)**
- ☐ **UNSAFE ACT - Minimal Potential For Injury (2 Points)**
- ☐ **UNSAFE CONDITION - Obvious Potential For Injury (3 Points)**
- ☐ **UNSAFE CONDITION - Minimal Potential For Injury (2 Points)**
- ☐ **OTHER (1 Point)**

Description: (Details --- Who, What, When, Where):

____
____
____
____
____
____
____

Corrective Action: What specific action have you taken to correct this observed safety deficiency?

____
____
____
____
____
____

Preventive Action: What additional action have you initiated to ensure that this observed safety deficiency is eliminated and prevented from recurring?

____
____
____
____

Person(s) Notified/ Copied: ______________________________

Date: ____________ **Supervisor Signature:** ______________________

Attachment II

SAFE SCORING SYSTEM

Type of SAFE Report	Points
Unsafe Act - Obvious potential for injury	4
Unsafe Act - Obvious potential for injury	2
Unsafe Condition - obvious potential for injury	3
Unsafe Condition - minimal potential for injury	2
Other	1

FY 1990 SAFE GOALS

Minimum Points/Week

	Dept Mgrs.	Supervisors	Engineers
Engineering	2	--	2
Lab	--	2	--
Office	2	--	--
Maintenance	4	4	4
Operations	4	4	--
Safety	4	--	--

Definitions of the Categories used in the SAFE Reports

I. UNSAFE ACT : When a person is observed in an act or activity which places themselves or someone else in a hazardous situation because he or she failed to follow standard job procedures, plant safety rules, or procedures which may not be written down but are the accepted safety practice. For a SAFE report to be classified as an Unsafe Act, the person peforming the act must be identified on the report.

A. There are 2 types of unsafe acts, the difference is explained below:

1. Unsafe Act - Obvious potential for injury
When a person performs an action that puts themselves or someone else in a position where there is obvious or high potential for near term injury or harm to occur.

2. Unsafe Act - Minimal potential for injury
When a person performs an action that does not pose an immediate hazard but has some minimal or remote potential to cause injury or harm.

II. UNSAFE CONDITION : A physical condition or circumstance that could cause or contribute to the occurrence of an accident or injury.

A. There are 2 types of unsafe conditions, the difference is explained below:

1. Unsafe Condition - obvious potential for an accident or injury.
This is a condition or circumstance that is in a "ready mode" to produce an accident or injury.

2. Unsafe Condition - minimal potential for an accident or injury.
This is a condition or circumstance that needs attention but does not present an immediate safety hazard to personnel.

III. OTHER : In this category are reports of plant security rule violations, housekeeping, and any safe report that can't be classified as an unsafe act or condition.

EXAMPLES OF UNSAFE ACTS - OBVIOUS POTENTIAL FOR INJURY = 4 points

Examples:

- Failure to use respiratory protection where required.
- Standing on top 2 steps of a stepladder or top 3 rungs on an extension ladder.
- Smoking in the plant where smoking is restricted.
- Failing to lockout a motor before working on it.
- Using a cutoff saw without a faceshield.
- Climbing a ladder without it being tied off or held in position by another person.
- Blinding a pump without a permit.
- Working outside a handrail without a safety belt.
- Welding in the reactor area without a fire watch.
- Entering a vessel without a hole watch.
- Adding catalyst to the cat bomb without goggles and gloves.
- Offloading a truck at the warehouse with a forklift without chocking the truck wheels.
- Entering chemwash shack without protective gear.
- Sandblasting without protective air hood.
- Failure to flag off the ground area under overhead work where the potential for dropping material is present.
- Failure to wear hearing protection in an area where "Hearing protection is required".
- Using a roll-around scaffold without locking the wheels.
- Looking into a vessel without breathing air and the vessel has not been cleared.
- Climbing a stationary ladder with a tool or instrument in your hand.
- Dumping salt bags without using the lift table.
- Improper lifting or failure to use tools/devices to assist lifting.
- Securing a door with wire.

EXAMPLES OF UNSAFE ACTS - MINIMAL POTENTIAL FOR INJURY = 2 points

<u>Examples</u>:

- Personnel failing to wear sideshields in the plant where there is minimal exposure to airborne foreign bodies.
- Failure to wear safety glasses in the lab or instrument shop when no work or activity is not underway that might pose an injury potential.
- Failure to wear a hard hat in open area where no overhead hazards exists.
- Concrete truck driver failing to wear a substantial work boot.

UNSAFE CONDITIONS - WITH OBVIOUS POTENTIAL FOR ACCIDENT OR INJURY
- 3 POINTS

Examples:

- Oily rungs on a ladder.
- Sharp edges on a handrail.
- Oil spills on the floor.
- Broken rungs or legs on a ladder.
- Failure to replace empty SCBA bottles and store the SCBA's in their storage box after use.
- Material left in walkways presenting a slip/trip hazard.
- A board with nails sticking up left on the ground.
- Live electrical wires exposed.
- Equipment not properly prepared for blinding.
- Ladders being used in doorway and not flagged off.
- Sewer covers left open and not barricaded - personnel could step in.

UNSAFE CONDITION - MINIMAL POTENTIAL FOR ACCIDENT OR INJURY - 2 POINT

Examples:

- Step ladder left standing in walkway.
- Nitrogen bottle with top cap on was left unchained at the bottle rack.
- Fuel hose on the diesel tank is cracking.
- Bleeder plugs missing on AMS ports.
- Plugs missing on conduit junction box.
- Loading dock gate was left open.
- Colloid lift table was left up with access doors open.
- VCM tank car not chocked.
- Grounding cables not attached on VCM tankcar while offloading.
- Access to fire extinguisher, eyewash, or safety shower is blocked.

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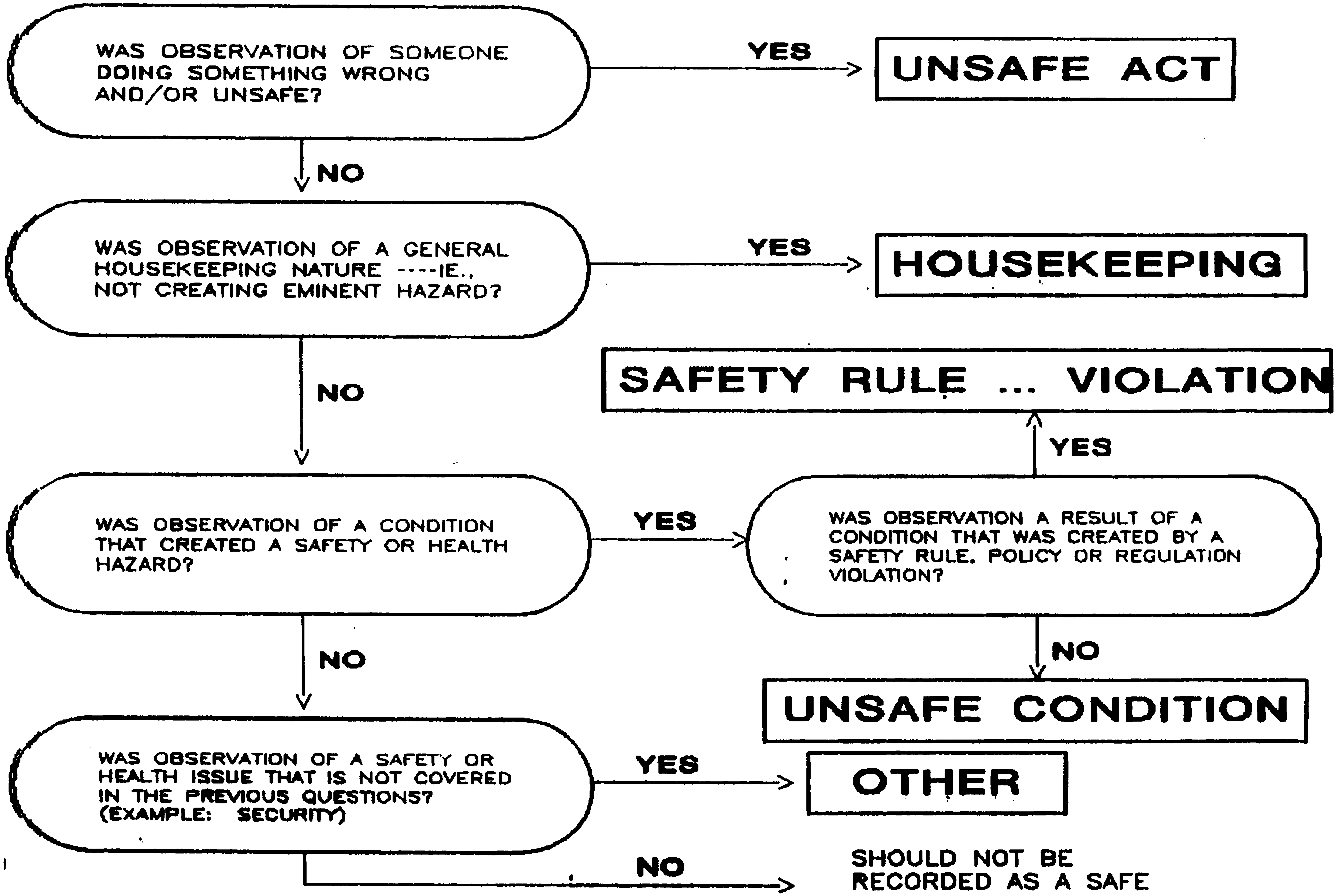
OTHER SAFE REPORTS - 1 POINT

Examples:

- General Housekeeping
- Chocks being used without the "chock" sign.
- Bleeder not painted as required by policy.
- Railcar not placarded, sealed or labelled properly.
- Fire monitors not positioned correctly.
- Fire extinguisher not inspected the previous month.
- Plant gates left open (security).
- Vessels not labelled per the plant policy.
- Installation/replacement of safety signs.
- Improperly stored respirator.

OKLAHOMA CITY PVC PLANT

Supervisory Action For Excellence



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