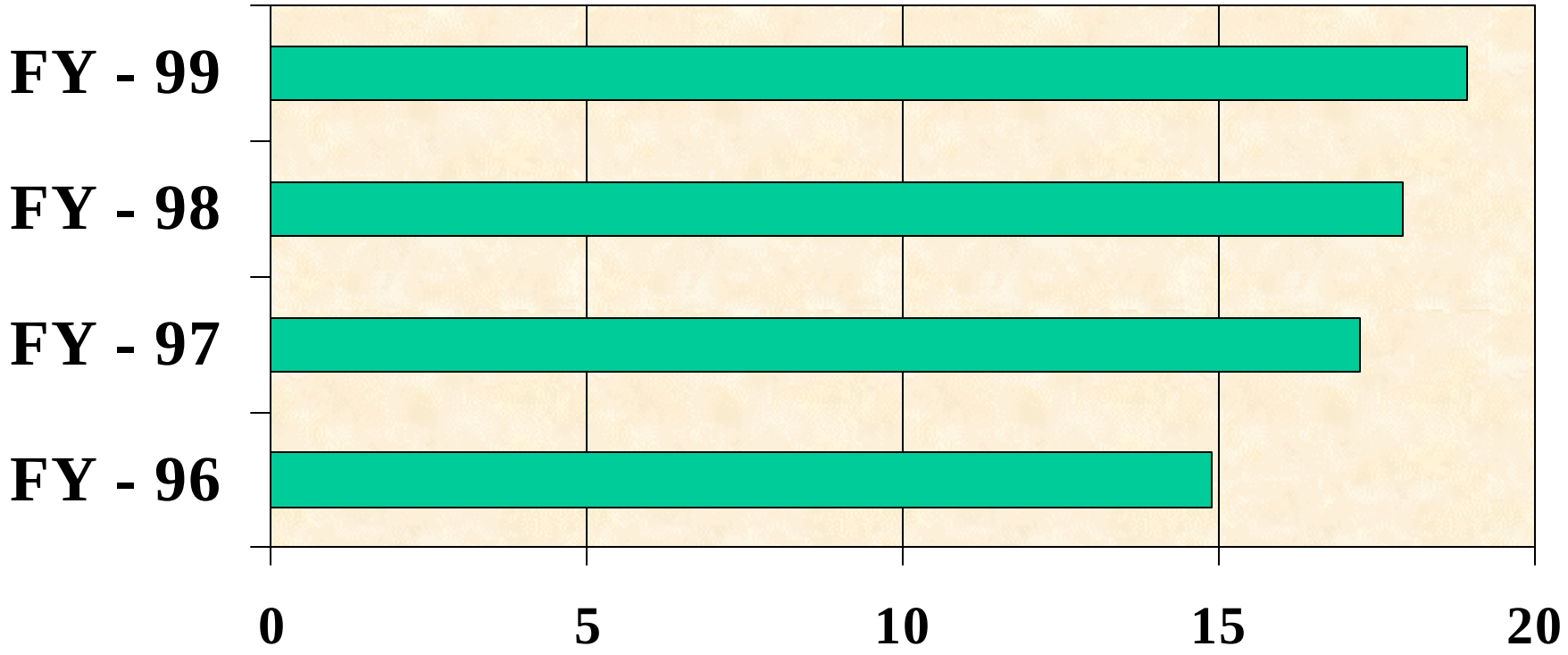
Atlantic Division, Naval Facilities Engineering Command

Contractor Safety performance indicators

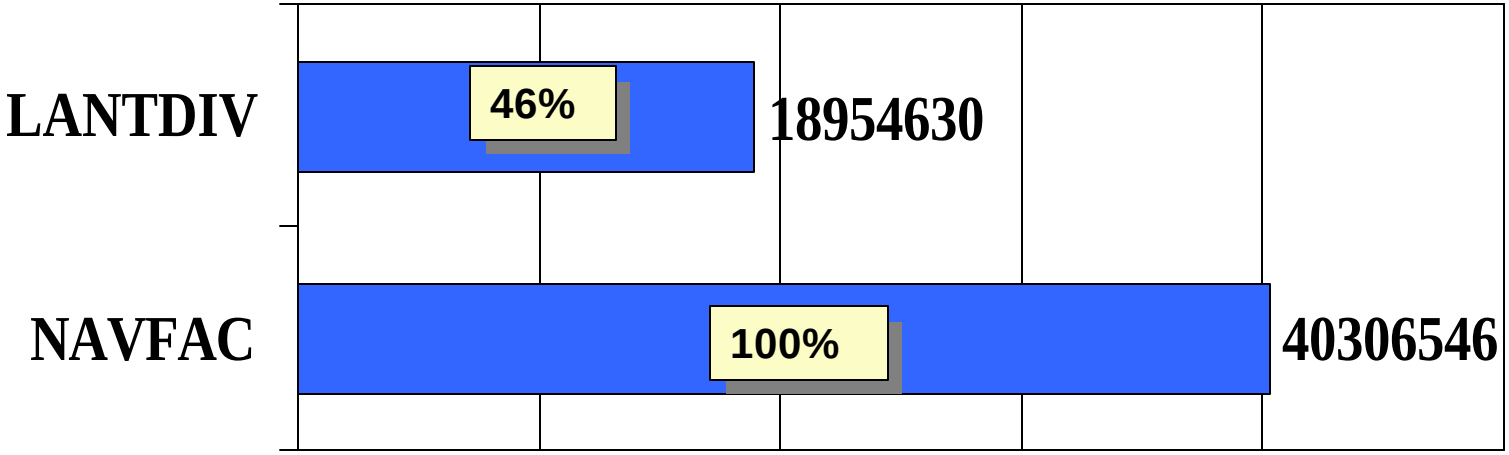
(metrics)

LANTDIV CONTRACTOR MAN HOURS (Accident exposure)



	FY - 96	FY - 97	FY - 98	FY - 99
Man Hours (millions)	14.88	17.24	17.9	18.95

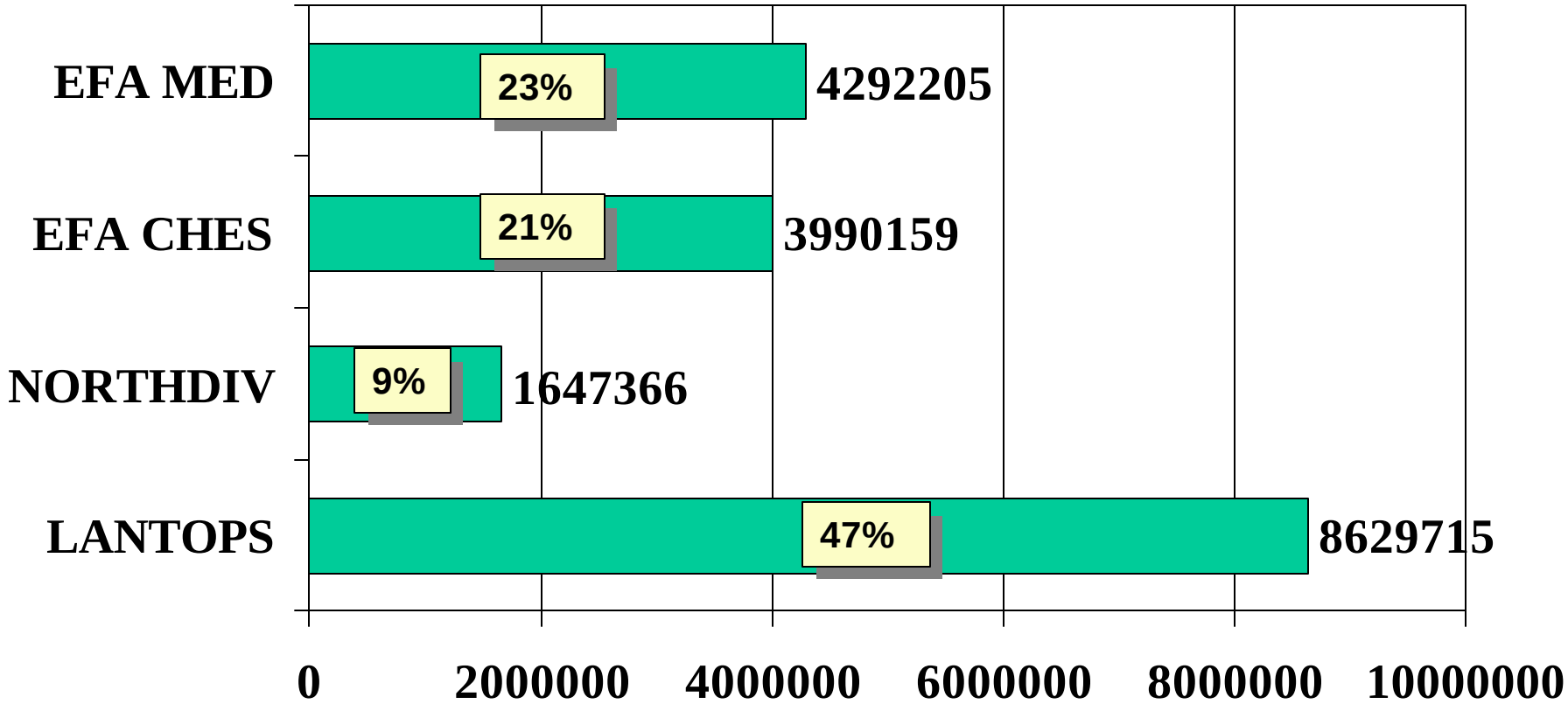
FY 99 LANTDIV MAN-HOUR CONTRIBUTION TO NAVFAC COMPARISON CHART



	NAVFAC	LANTDIV
FY 99	40306546	18954630

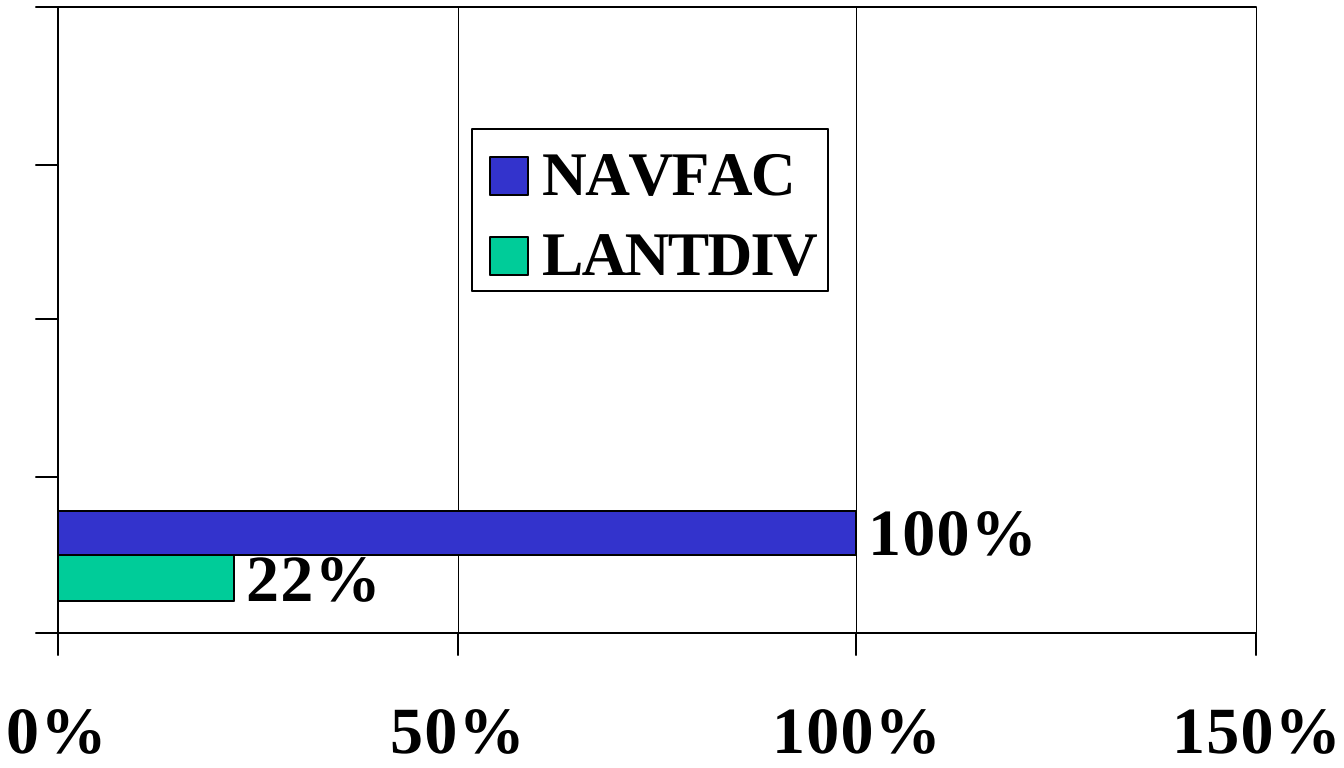
46 % of the contractor Man-Hour total for NAVFAC comes from LANTDIV operations.

LANTDIV COMPONENT COMMAND CONTRACTOR MAN-HOUR COMPARISON CHART FY 99



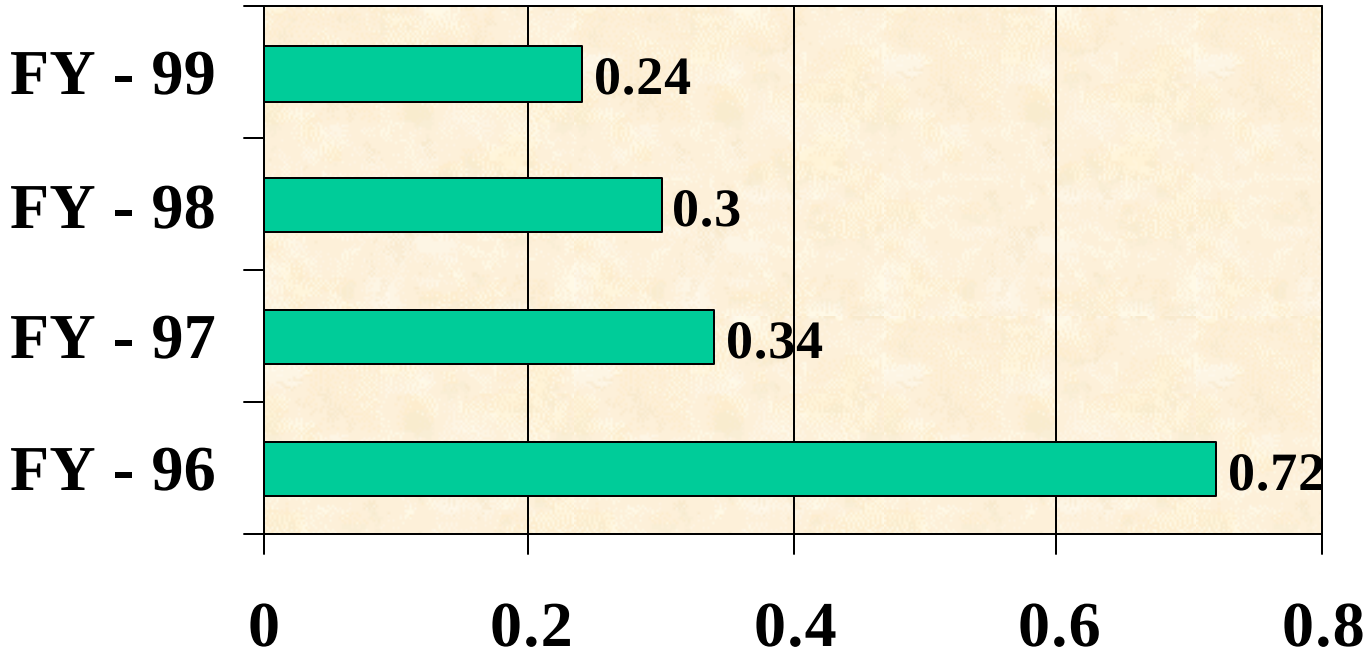
	LANTOPS	NORTHDIV	EFA CHES	EFA MED
MAN-HOURS	8629715	1647366	3990159	4292205

CONTRACTOR LOST TIME ACCIDENTS
PREVIOUS THREE YEARS FY 97-99



22 % of the lost-time accidents for NAVFAC

LANTDIV ACCIDENT FREQUENCY RATE HISTORY

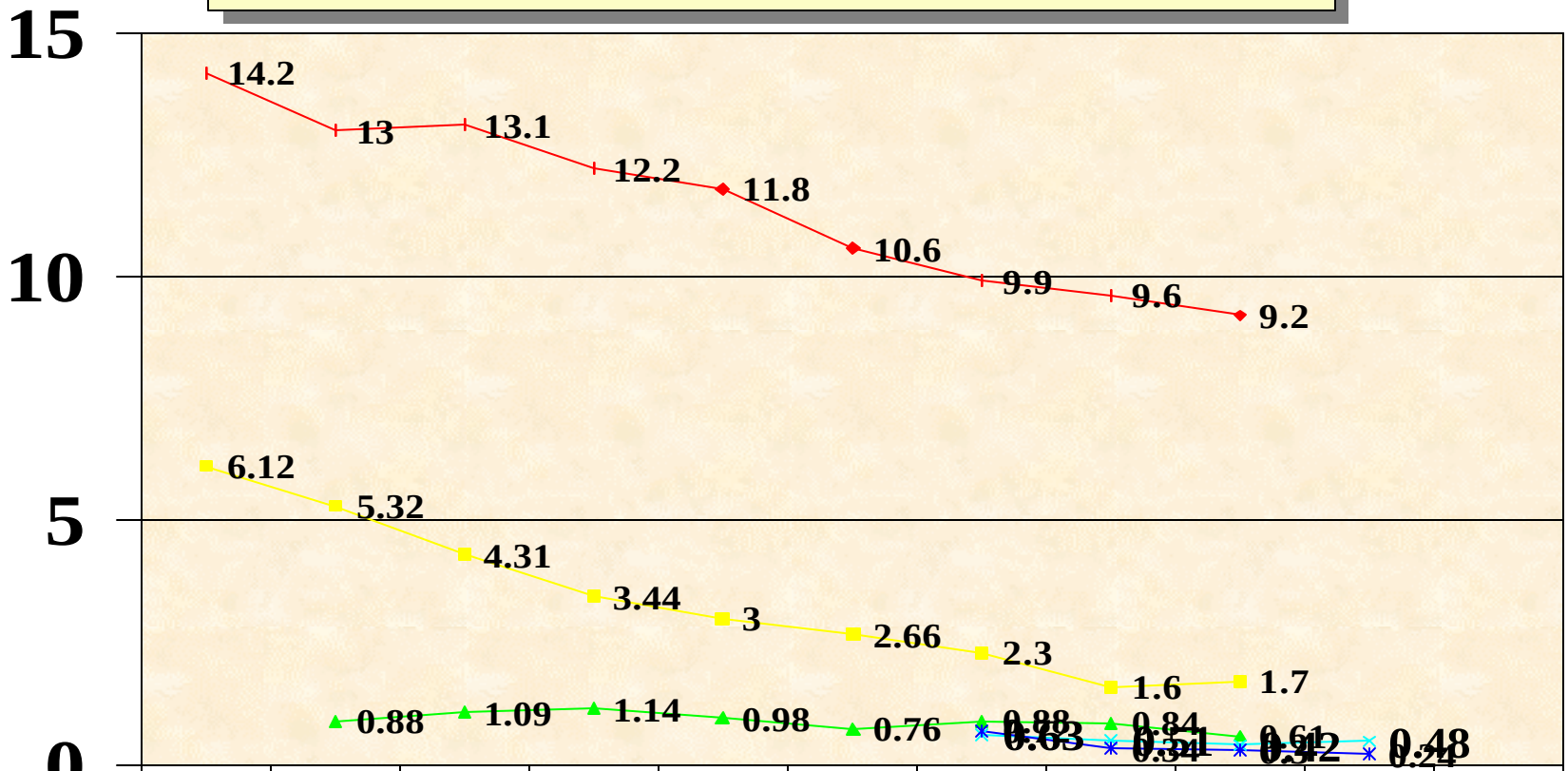


	FY - 96	FY - 97	FY - 98	FY - 99
Frequency Rate	0.72	0.34	0.3	0.24

ACCIDENT FREQUENCY RATE is an industry developed safety performance indicator

(Lost time Accidents/Total Man hours) X 200,000

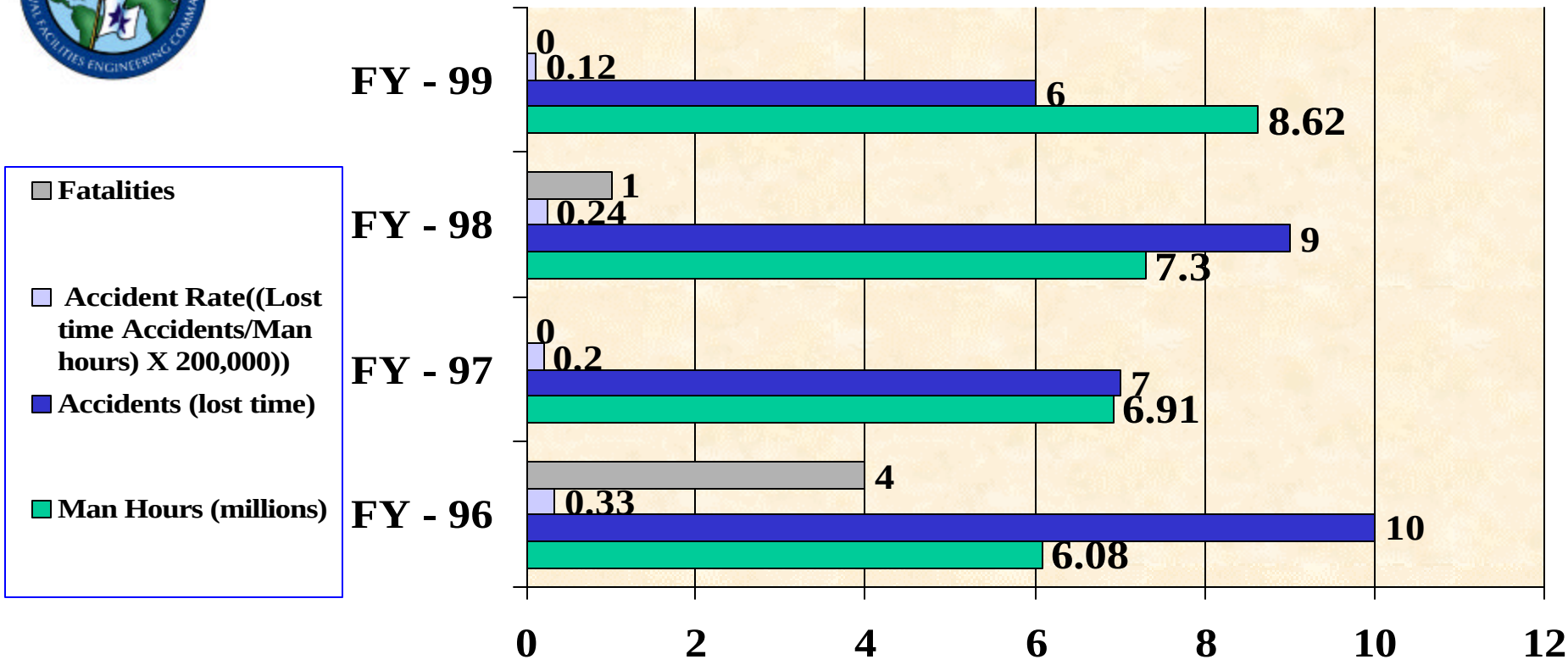
INDUSTRY FREQUENCY RATE COMPARISON CHART



	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
Nat'l Avg.	14.2	13	13.1	12.2	11.8	10.6	9.9	9.6	9.2		
CII Avg.	6.12	5.32	4.31	3.44	3	2.66	2.3	1.6	1.7		
USACE Avg.		0.88	1.09	1.14	0.98	0.76	0.88	0.84	0.61		
NAVFAC							0.63	0.51	0.42	0.48	
LANTDIV							0.72	0.34	0.3	0.24	

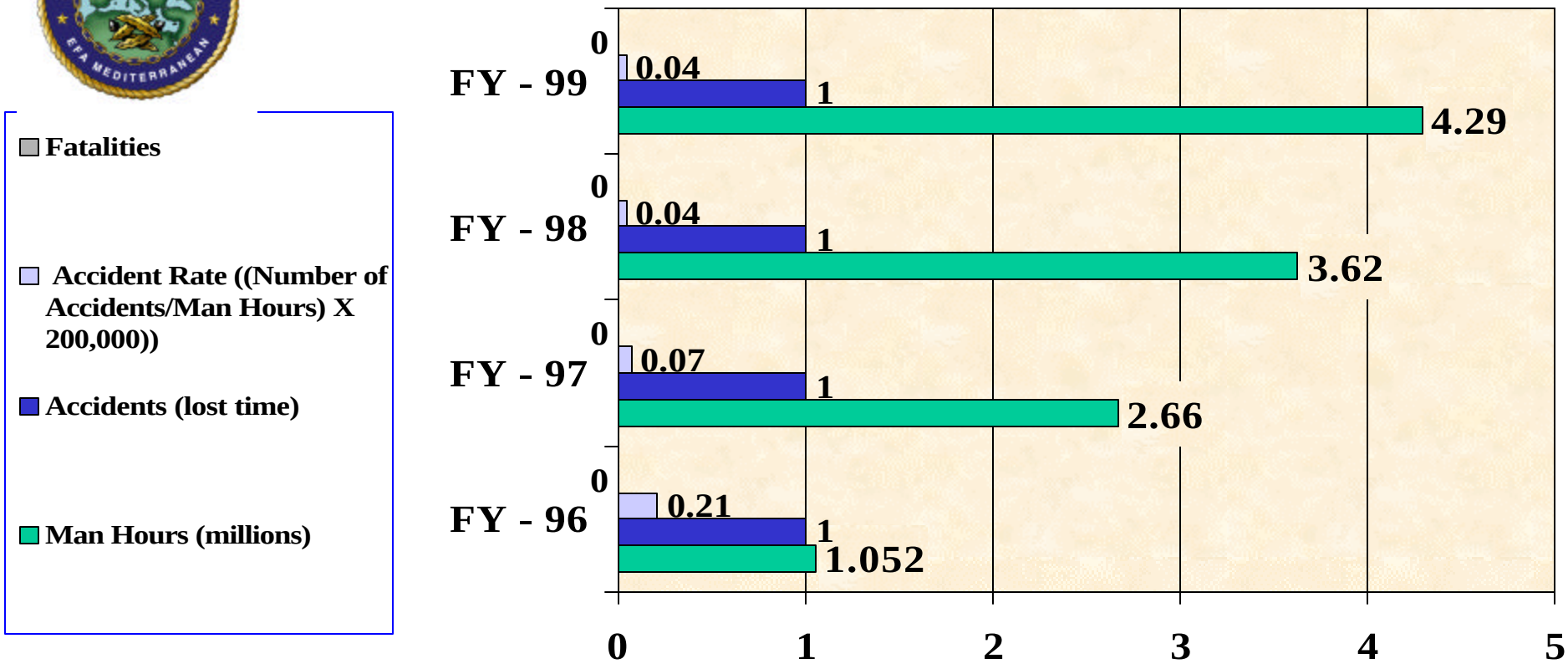
“GOAL ZERO THROUGH ZERO TOLERANCE”

LANTOPS Contractor Safety Metrics



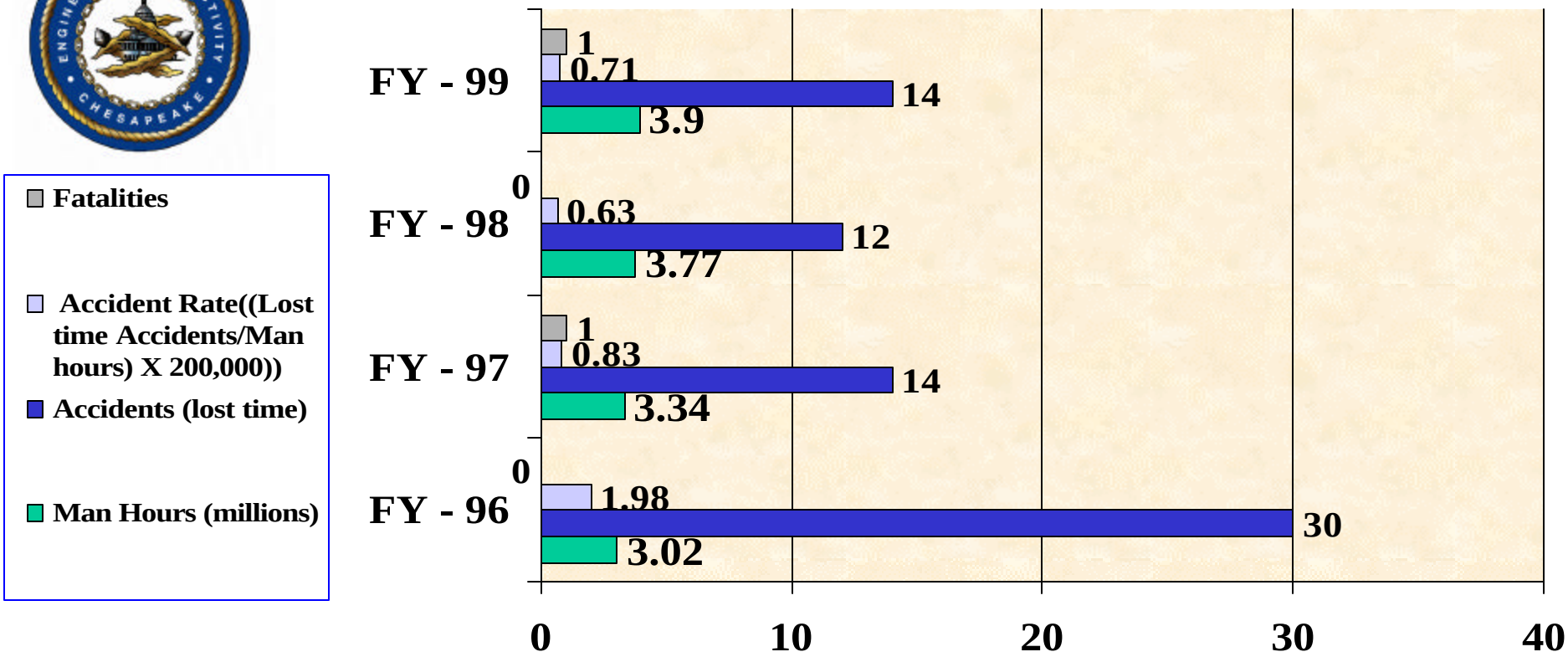
	FY - 96	FY - 97	FY - 98	FY - 99
Fatalities	4	0	1	0
Accident Rate((Lost time Accidents/Man hours) X 200,000))	0.33	0.2	0.24	0.12
Accidents (lost time)	10	7	9	6
Man Hours (millions)	6.08	6.91	7.3	8.62

EFA MED Contractor Safety Metrics



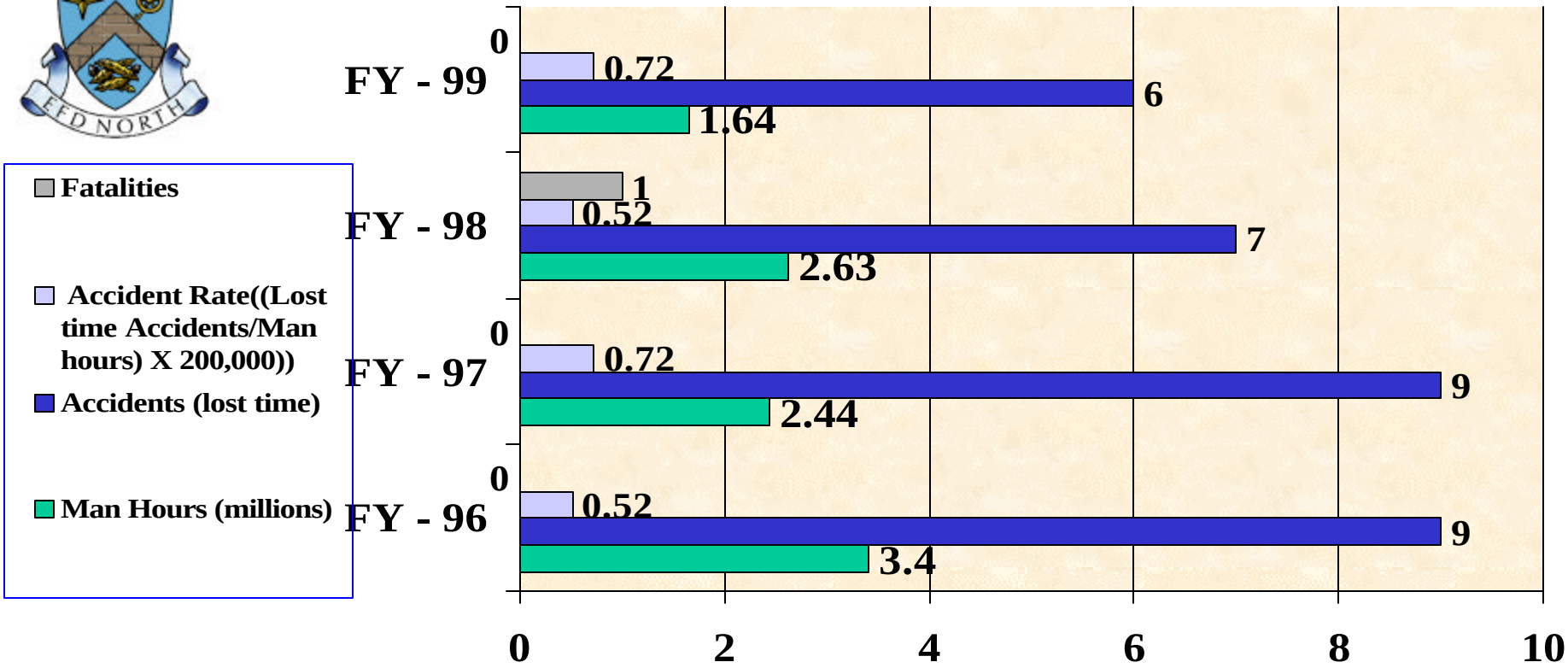
	FY - 96	FY - 97	FY - 98	FY - 99
Fatalities	0	0	0	0
Accident Rate ((Number of Accidents/Man Hours) X 200,000))	0.21	0.07	0.04	0.04
Accidents (lost time)	1	1	1	1
Man Hours (millions)	1.052	2.66	3.62	4.29

EFA CHES Contractor Safety Metrics



	FY - 96	FY - 97	FY - 98	FY - 99
Fatalities	0	1	0	1
Accident Rate((Lost time Accidents/Man hours) X 200,000))	1.98	0.83	0.63	0.71
Accidents (lost time)	30	14	12	14
Man Hours (millions)	3.02	3.34	3.77	3.9

NORTHDIV Contractor Safety Metrics



	FY - 96	FY - 97	FY - 98	FY - 99
Fatalities	0	0	1	0
Accident Rate((Lost time Accidents/Man hours) X 200,000))	0.52	0.72	0.52	0.72
Accidents (lost time)	9	9	7	6
Man Hours (millions)	3.4	2.44	2.63	1.64

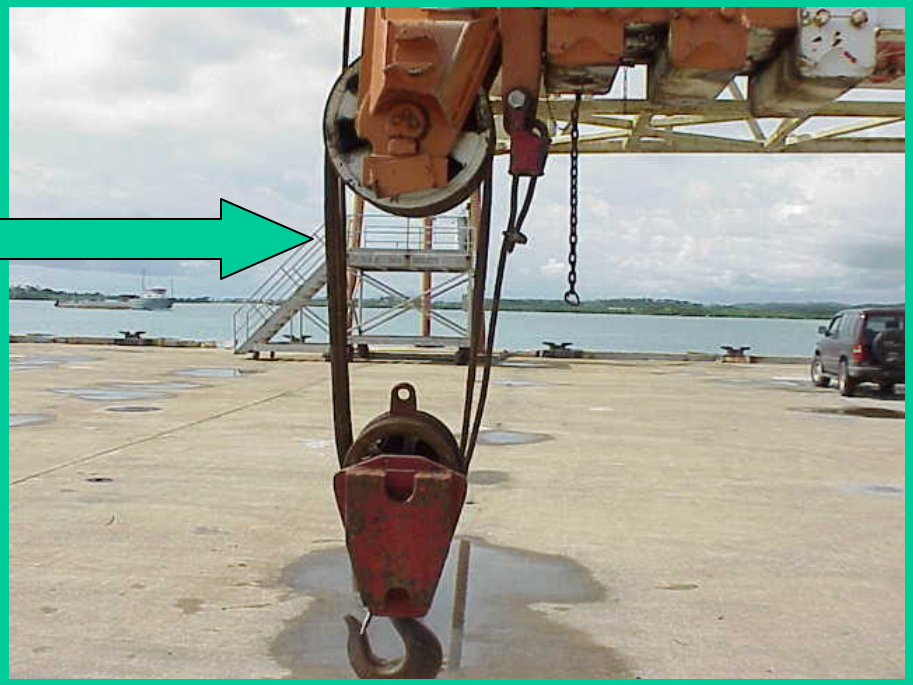
Burns Cranes & Equipment
1990 Link Belt / Sumitomo LS-218RH5
Ref # 5-281

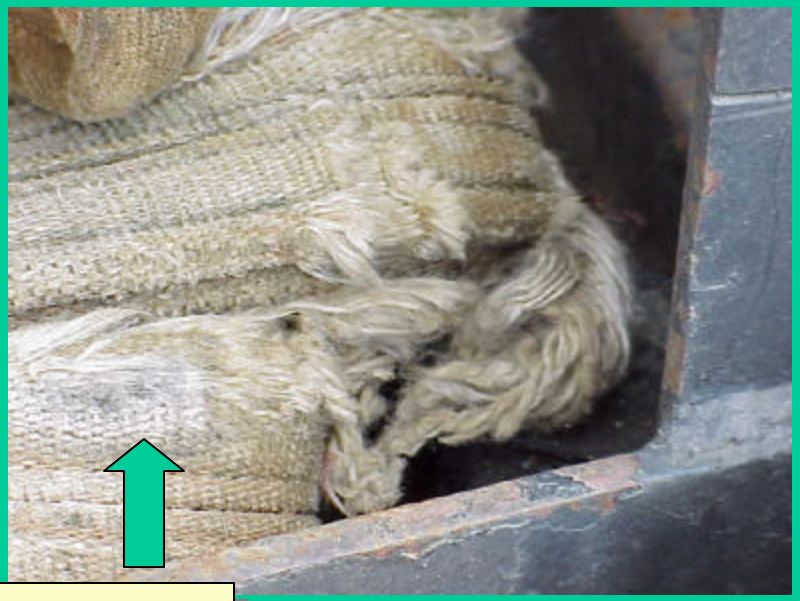
Crane on site <u>without</u> prior notification to Contracting Officer. Crane removed from site due to deficiencies.

Rejectionable - Excessive rust on boom and jib sections of crane.

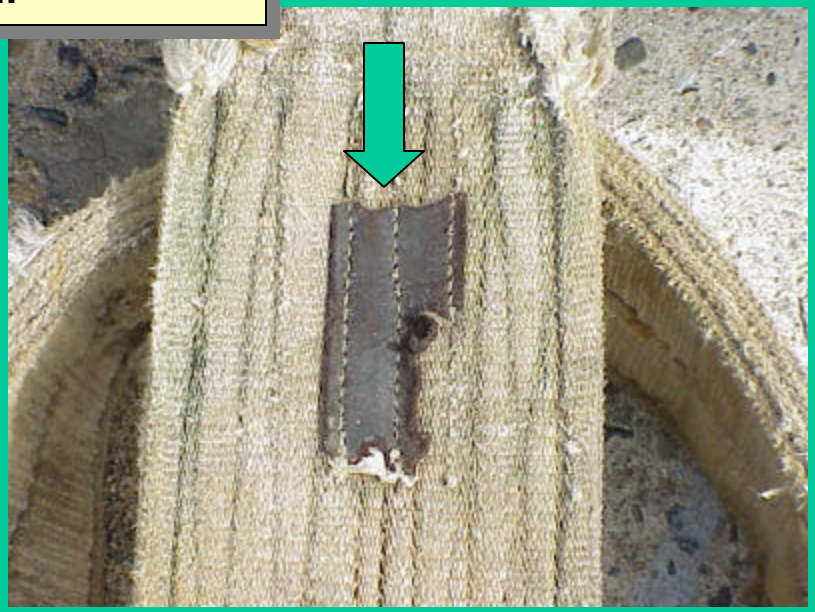
Unreadable load chart posted in cab. Operator was not able to positively identify cranes lifting capacity when provided a sample crane configuration.

Load block and boom tip without required anti two block device.





<u>All</u> web slings rejectionable. Slings missing labels and frayed.



CRANE RENTAL
GRUBB

ATLANTIC DIVISION

ROICC CRANE QA/QC PROCEDURES MANUAL

United
Rentals

Recent Program Improvements ROICCs have made happen

1. Activity Hazard Analysis
2. 40 Hour Construction Safety Hazard Awareness Course (Over 380 participants)
3. Standard Accident reporting forms/automated database (CSIR -1)
4. Investigation of near miss accidents
5. In House at least monthly safety meetings
6. Utilization of Engineering Safety Technicians
7. Asbestos competency at each office
8. Removal of unsafe employees (ZERO Tolerance)
9. 01525 Safety Specification
10. Safety Plans IAW Appendix A

Improvement Initiatives

1. ROICC new employee safety indoctrination training:
    a) Computer Based Training (CBT)
    b) USACE/NAVFAC safety responsibilities video
2. C-STOP program. Contractor Safety Training Orientation Program.
3. 2nd annual Contractor Safe Site Awards Program (Stand down)
4. Additional contractor crane safety emphasis
5. Additional training sources from the Naval Safety School (Fall Protection, Asbestos, HAZWOPOPER, Confined Space, Lead, Crane Safety, Mishap Investigation, Electrical Standards…..)

SAFETY IS LEADERSHIP

SAFE SITE ECONOMICS

Atlantic Division Naval Facilities Engineering Command

CONSTRUCTION SAFETY PROGRAM

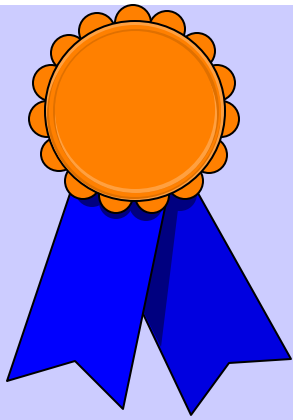
CHECKLIST

"GOAL ZERO MISHAPS"

- **Hard Hats**
  All construction areas are considered Hard Hat Areas
- **Fall Protection Program**
  Construction Sites are required to maintain an effective program to eliminate hazards
- **Electrical Safety/Program**
  Control of Hazardous Energy
- **Scaffolding**
  Manufacturer recommendations and daily inspections
- **Ladders**
  Proper setup and use
- **Drug Free Workplace**
  Construction Areas must maintain program
- **Excavation Protection**
  Adequate shoring systems/Inspections
- **Equipment Inspections**
  Rigging/Operations checklists
- **Activity Hazard Analysis**
  Before Work Starts/Identify Hazards/Identify Control/Communicate to Workers/Inspect
- **Hazardous Communication Program**
  Label Containers/Communicate to workers
- **Emergency Fire Protection and Prevention/First Aid/ Destructive Weather**
  Emergency Action Plans
- **Demolition Activities**
  Site Surveys

COMMANDER ATLANTIC DIVISION • NAVAL FACILITIES ENGINEERING COMMAND •

FY - 99
ROICC SAFETY GOLD CLUB
ZERO LOST TIME ACCIDENTS



NORTHDIV:

- EAST PA
- MECHANICSBURG
- LAKEHURST
- WINTER HARBOR
- NEWPORT

EFA MED:

- BAHRAIN
- ROTA
- LA MADELLANA
- NORTHERN ITALY
- SOUDA BAY
- LONDON
- CAIRO

EFA CHES:

- QUANTICO
- DAHLGREN

OICC NAVAL HOSP.

LANTOPS:

- CHERRY POINT
- GTMO
- LITLE CREEK
- SHIPYARD (NNSY)
- AZORES