

JOB SAFETY ANALYSIS AND THE 6T'S: HOW TO BETTER RECOGNIZE HEALTH AND SAFETY HAZARDS IN THE WORKPLACE

2016 WEDA Midwest Chapter Meeting

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GLDD FLEET

5 MECHANICAL



DREDGE 55

19 HYDRUALIC



DREDGE TEXAS

7 HOPPER

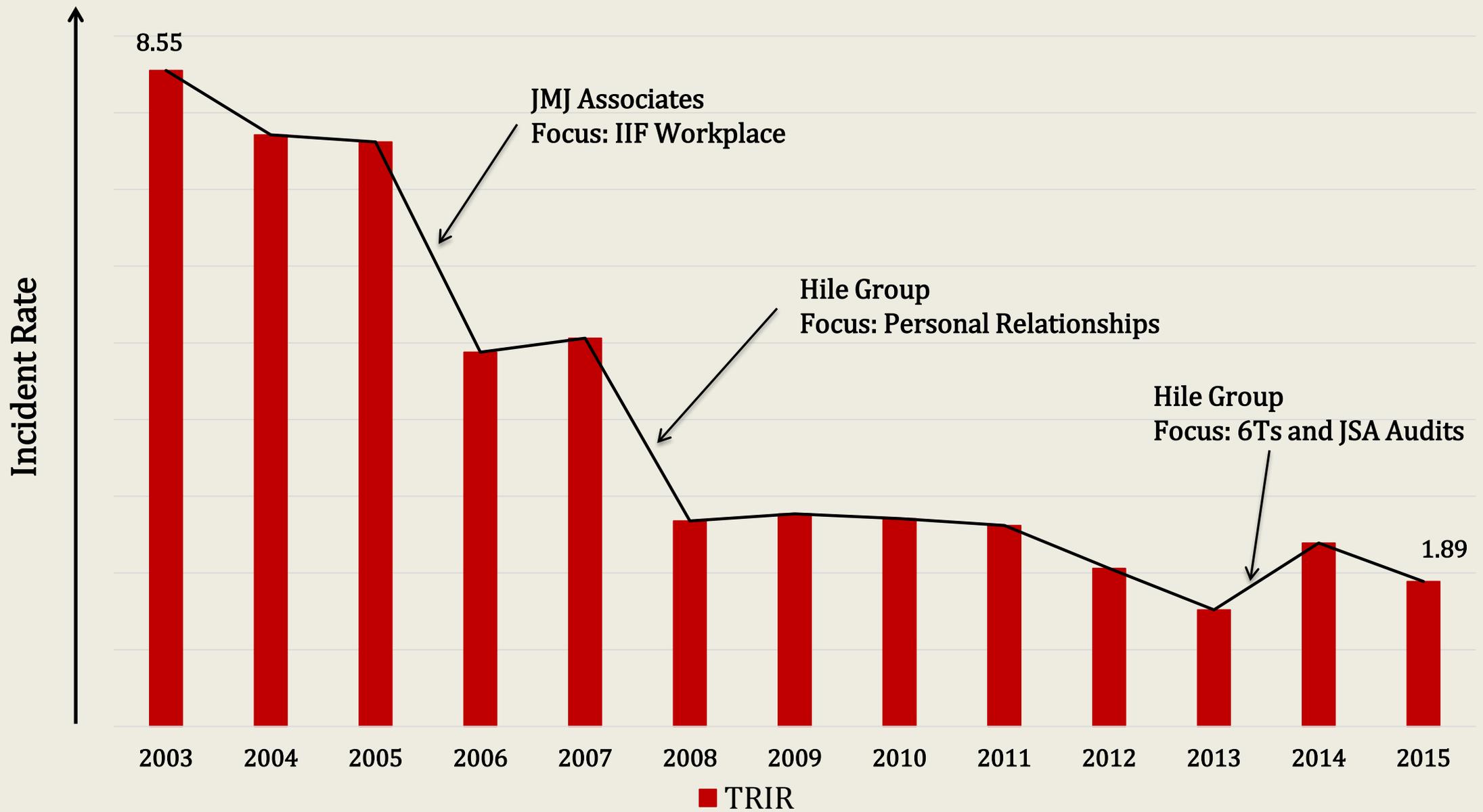


LIBERTY ISLAND



125
Years
OF DREDGING





JOB SAFETY ANALYSIS

A safety tool used to identify all known and potential hazards associated with each step of a task

Somewhere after the 1st JSA

 JOB SAFETY ANALYSIS	JOB TITLE:	PAGE: 1 OF 1	JSA NO.: S 0001 REV: 0 Written By:	
	LOCATION of JOB	Tools to Be Used: <input type="checkbox"/> Rigging <input type="checkbox"/> Electrical Tools <input type="checkbox"/> Torches <input type="checkbox"/> Air Tools <input type="checkbox"/> Hand tools <input type="checkbox"/> Welding <input type="checkbox"/> Hyd. Tools <input checked="" type="checkbox"/> Other		
		Cover tool safety and inspection in JSA briefing		
REQUIRED AND/OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT: <input checked="" type="checkbox"/> Hardhat <input type="checkbox"/> Personal Floatation Device <input checked="" type="checkbox"/> Safety Glasses <input checked="" type="checkbox"/> Steel Toed Boots <input type="checkbox"/> Gloves Type Leather <input type="checkbox"/> Hearing Protection <input type="checkbox"/> High visibility vest <input type="checkbox"/> Other:			JSA REVIEWED BY: Supervisor's Signature	
MAJOR JOB STEPS	POTENTIAL HAZARDS & CONSEQUENCES	RECOMMENDATIONS TO ELIMINATE OR REDUCE HAZARDS		
TODAY:				
TASK:				
TOOLS:				
TIDY UP:				
TRANSITION:				
TIME OUT:				
ALL WORK MUST STOP IF YOU DEVIATE FROM THE JSA PLAN				



CONTINUED IMPROVEMENT OF THE JSA

- INVESTIGATING EVERY INCIDENT FOR ROOT CAUSES
- GATHERING FEEDBACK FROM USERS
- JSA AUDITS
- 6Ts
- LIFE SAVING ABSOLUTES (LSAs)





JOB SAFETY ANALYSIS

NO: _____

DATE: _____

PROJECT NO: _____

JOB TITLE _____

PAGE
__ of __

Name and Signature of all personnel performing task to sign JSA prior to executing job task

DEVELOPED BY:

1. _____
3. _____

2. _____
4. _____

APPROVED BY:

NAME

SIGNATURE

POSITION

1

NOTE

1. Deviations to this JSA are not authorized. All work must STOP prior to the need to deviate from this JSA.
2. All required changes to this JSA must be noted on the JSA sign-in sheet and reviewed with all participants prior to resuming work.
3. If an individual feels that conditions become unsafe, they shall "Step Back for Safety" and call a "Time Out".
4. If a "Time-Out" is called, all work must stop until all hazards are satisfactorily addressed, the JSA is reviewed again, and changes are noted on the JSA sign-in sheet.
5. Make sure the employee is authorized and qualified to use the work tools.
6. Make sure to reference the SALT book before beginning your task – SALT Reference Number: _____

2

3

4

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> GLOVES | <input type="checkbox"/> WELDING SHIELD | <input type="checkbox"/> SAFETY HARNESS | <input type="checkbox"/> PERSONAL FLOTATION DEVICED (PFD) |
| <input type="checkbox"/> HEARING PROTECTION | <input type="checkbox"/> FALL PROTECTION | <input type="checkbox"/> FULL FACE SHIELD | <input type="checkbox"/> FALL RESISTANT LANYARD HARD |
| <input type="checkbox"/> HAT/SAFETY GLASSES/STEEL TOE BOOTS | | | |

5

6

REQUIRED TOOL(S)

7

8

AUTHORIZED & QUALIFIED PERSON

9

6 T's

- TODAY TASK TOOLS TIDY-UP TIME-OUT TRANSITION

10

HIGH RISK ACTIVITIES

- Vessel to Vessel Transfer
 Confined Space Entry
 Work on Pressurized Systems
 Hot Work
 Crane Operations/Rigging
 Work at Heights
 Man Basket
 Energized Electrical Work
 LOTO

MAJOR JOB STEPS

POTENTIAL HAZARDS

POTENTIAL CONSEQUENCES

RECOMMENDATIONS TO ELIMINATE OR REDUCE HAZARDS

REPORT JOB COMPLETE TO APPROPRIATE SUPERVISOR :

DATE COMPLETED :

LIFE SAVING ABSOLUTES CHECKLIST



DRUG & ALCOHOL FREE WORKPLACE



PPE



PROPER TOOLS



LOCK OUT / TAG OUT



LINES / LINE HANDLING



SAFETY ZONE



TRANSFERS



RIGGING & LIFTING



CONFINED SPACE



PUBLIC & ENVIRONMENT





JOB SAFETY ANALYSIS

NO:

DATE:

12/7/15

PROJECT NO:

15578

JOB TITLE

Pulling Pin Back Into Carriage

PAGE

of

Name and Signature of all personnel performing task to sign JSA prior to executing job task.

DEVELOPED BY:

- 1. Jack Kelley
- 2. Kamy Pierce
- 3. C. Gibson
- 4.

REVIEWED BY

NAME

SIGNATURE

POSITION

Jack Kelley

[Signature]

Master

WARNING

- 1. Deviations to this JSA are not authorized. All work must STOP prior to the need to deviate from this JSA.
- 2. All required changes to this JSA must be noted on the JSA sign-in sheet and reviewed with all participants prior to resuming work.
- 3. If an individual feels that conditions become unsafe, they shall "Step Back for Safety" and call a "Time Out".
- 4. If a "Time-Out" is called, all work must stop until all hazards are satisfactorily addressed, the JSA is reviewed again, and changes are noted on the JSA sign-in sheet.
- 5. Make sure to consult your SALT Book for beginning your task.
- 6. Make sure the employee is authorized and qualified to use the work tools.

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

- GLOVE CHART
- HEARING PROTECTION
- WELDING SHIELD
- SAFETY HARNESS
- PERSONAL FLOTATION DEVICES (PFD)
- OTHER: *Classic's Hard Hat*
- FALL PROTECTION
- FULL FACE SHIELD
- FALL RESISTANT LANYARD

REQUIRED TOOL

Porta Power, Strong Back, All Thread, Impact gun, sockets, Airline, Pry Bar, Grease, rags

REQUIRED HAZMAT

6 T's

- TODAY
- TASK
- TOOLS
- TIDY-UP
- TIME-OUT
- TRANSITION

HIGH RISK ACTIVITIES

- Vessel to Vessel Transfer
- Confined Space Entry
- Work on Pressurized Systems
- Hot Work
- Crane Operations/Rigging
- Work at Heights
- Man Basket
- Energized Electrical Work
- LOTO

MAJOR JOB STEPS

POTENTIAL HAZARDS & CONSEQUENCES

RECOMMENDATIONS TO ELIMINATE OR REDUCE HAZARDS

Sunny and chilly
 Greasing Hole, Install All-Thread
 Then Strong Back, Hook up
 Porta Power, Then Begin
 pulling Pin Back In Place.
 Once pins are In place
 Install cover Plates. Remove
 safety safety Plate's from
 carriage. clean and store
 all tools, anyone can call
 a Time out at anytime.

Pinch points Installing covers
 and Removing safety Plates
 Tripping hazards around Access
 to pin pad eye material pile,
 cables for ^{carriage} Blocks.
 Dehydration Make even though
 It's cold. sometimes people
 forget to drink water
 when it's cold

watch placement, Take your
 time wear proper glove's,
 watch foot placement, Be careful
 stepping over material piles
 Ref. hand tools p28 deck Book

REPORT JOB COMPLETE TO APPROPRIATE SUPERVISOR :

DATE COMPLETED : 12/8/15

LIFE SAVING ABSOLUTES CHECKLIST

- DRUG & ALCOHOL FREE WORKPLACE
- PPE
- PROPER TOOLS
- LOCK OUT / TAG OUT
- LINES / LINE HANDLING
- SAFETY ZONE
- TRANSFERS
- RIGGING & LIFTING
- CONFINED SPACE
- PUBLIC & ENVIRONMENT



HAZARD CONTROL & RECOGNITION: The 6Ts

Today

Task

Tools

Tidy Up

Transition

Time Out



HAZARD CONTROLS

→ Engineering Controls

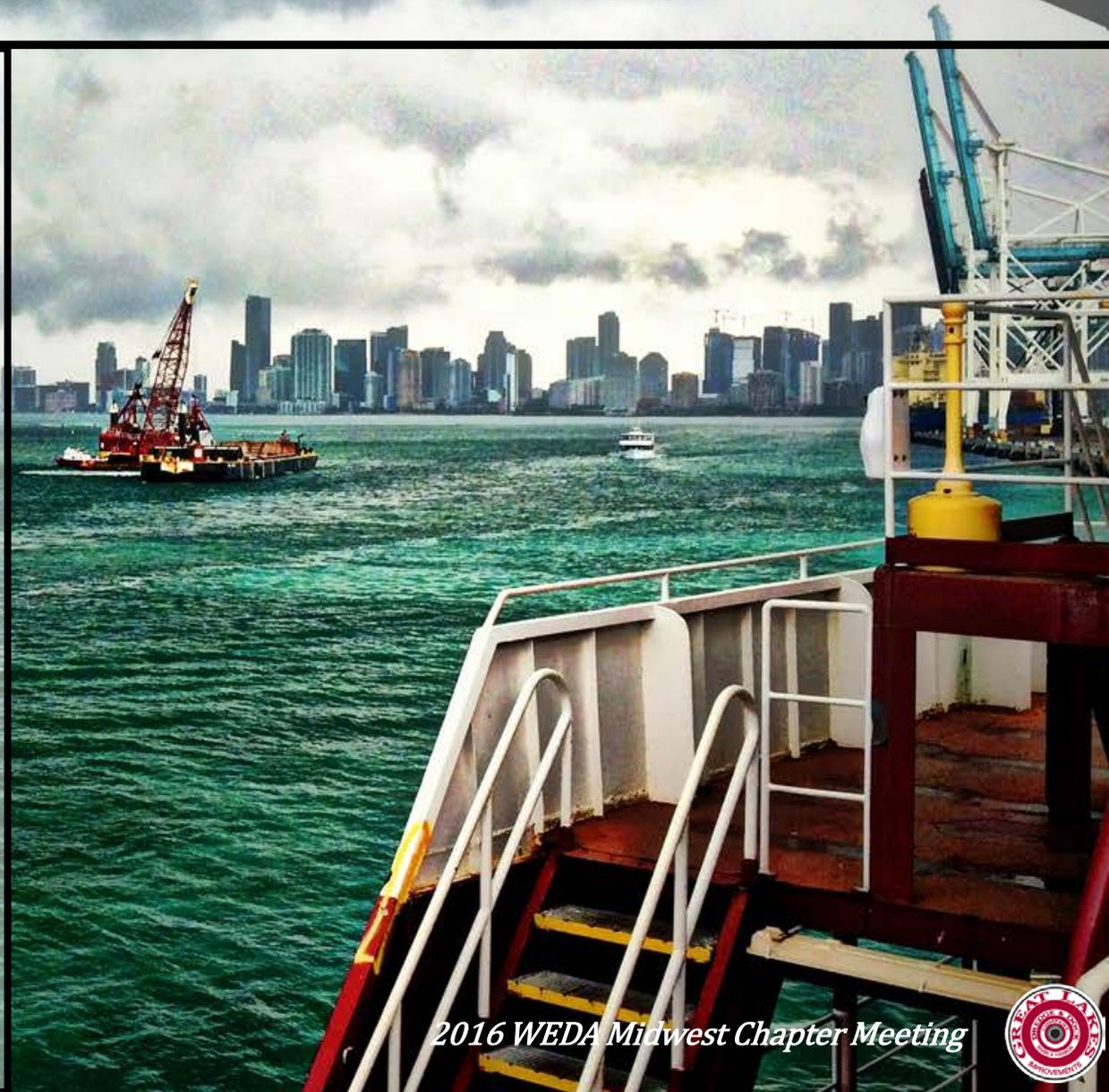
→ Machine guards, enclosed cab, etc.

→ Administrative Controls

→ Alarms, signs, training, etc.

→ Personal Protective Equipment

→ Hard hat, respirator, etc.



HAZARD RECOGNITION: The 6Ts

- Beyond writing down task steps
- Employee recognition of factors/areas that could lead to hazards
- Slows down the task assessment portion of JSA



TODAY

- Meet at the task area to review JSA and ensure specific hazard awareness of the task area is known
- Inspect access ways to and from all of the work areas, including transferring to and from equipment
- Consider the environmental aspects of the day
 - Wind, temperature, seas, deck conditions, etc.





TASK

- Ensure each crewmember involved knows his/her role in the task
- Recognize and analyze each task step, be specific
- Establish lines of communication, and address how they will flow throughout the task
- Discuss how deviations from the JSA will be handled

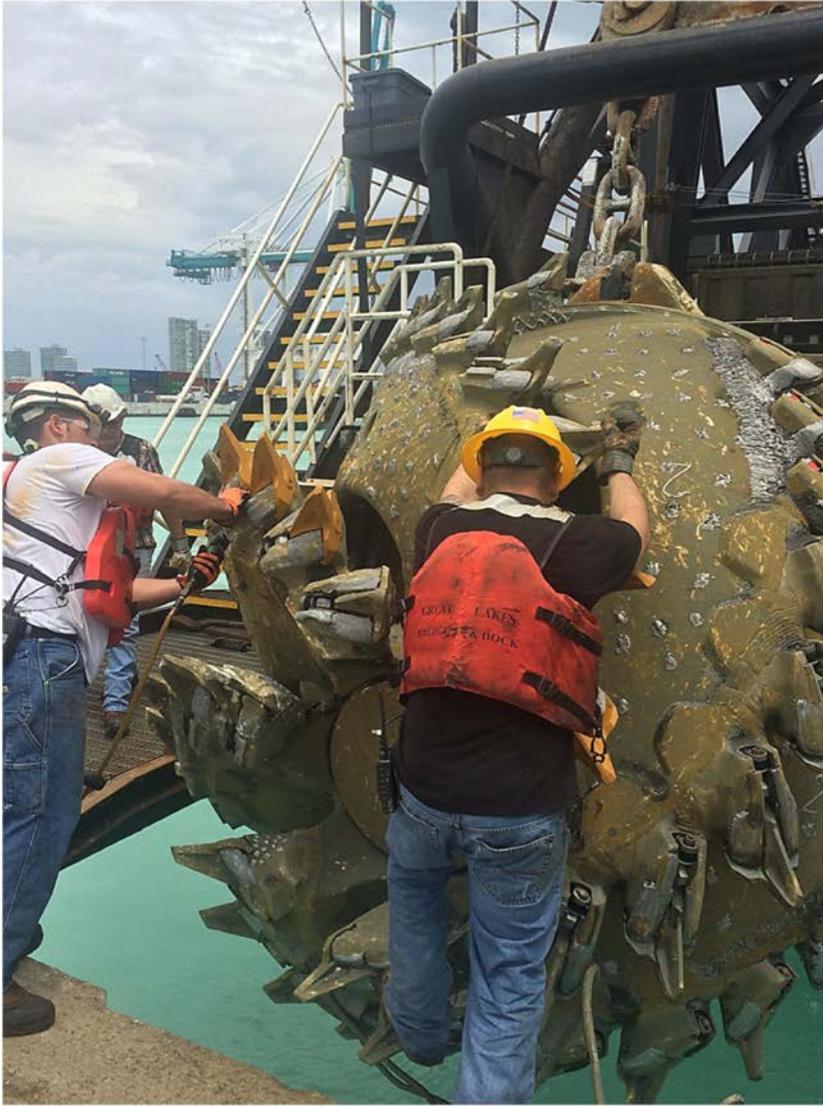




TOOLS

- Identify, gather, and inspect the tools required for each step of the task
- Ensure crew members are authorized and qualified to use the tools or equipment needed for the task
- Identify, gather and inspect required PPE





TIDY UP

→ Clean up after the task

→ Properly stow all tools and equipment used during the task





TRANSITION

- Recognize the end of the task in the JSA
- Identify the next task and its JSA if applicable



TIME OUT

→ Designate a Time Out Area

Why call a Time Out?

→ Change in conditions

→ Change in crew members participating

→ Change in tools

→ Anyone recognizes unsafe condition or feels unsafe







WE'RE COMMITTED.
To Safety Without Compromise!



“All GLDD employees are committed to an Incident and Injury Free work environment, in which we return safely to our families”

GLDD SAFETY
COMMITMENT
STATEMENT