

# Safety Program Innovations





# Written Program Update

Corporate Health and Safety Program



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# Inspections and Data

## FIRE PROTECTION AND PREVENTION

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Inspection Items		Compliant			Corrected
Fire Protection					
1. Do you have a fire protection program for all phases of construction or demolition work?	Yes	No	N/A		
2. Is access to all available firefighting equipment maintained at all times?	Yes	No	N/A		
3. Is firefighting equipment you provide conspicuously located?	Yes	No	N/A		
4. Is firefighting equipment periodically inspected and if defective immediately replaced?	Yes	No	N/A		
5. Is a fire extinguisher, rated not less than 2A, provided for each 3,000 sq. ft. of the protected building area, or major fraction thereof?	Yes	No	N/A		
6. Does travel distance from any point of the protected area to the nearest fire extinguisher not exceed 100 ft.?	Yes	No	N/A		
7. Is there at least one fire extinguisher, rated not less than 2A, provided on each floor?	Yes	No	N/A		
8. Is there at least one fire extinguisher located adjacent to stairways on each floor of a multistory building?	Yes	No	N/A		
9. Is a fire extinguisher, rated not less than 10B, provided within 50 ft. of wherever more than 5 gal. of flammable or combustible liquids or 5 lbs. of flammable gas is being used on the jobsite?	Yes	No	N/A		
10. Do you prohibit the use of carbon tetrachloride or other toxic vaporizing liquid fire extinguishers?	Yes	No	N/A		
11. Are portable fire extinguishers inspected periodically and maintained in accordance with maintenance and use of portable fire extinguishers, NFPA No. 10A-1970?	Yes	No	N/A		
12. Do you have an alarm system whereby the local fire department can be alerted for emergencies?	Yes	No	N/A		
13. Do you have an alarm system whereby employees on the site can be alerted for emergencies?	Yes	No	N/A		
14. Is the alarm code or reporting instructions posted at phones or at employee entrances?	Yes	No	N/A		
Fire Prevention - Construction					
15. Is smoking prohibited at or in the vicinity of operations which constitute a fire hazard, and is "No Smoking or Open Flame" conspicuously posted?	Yes	No	N/A		
16. Is portable fire extinguishing equipment, suitable for the fire hazards involved, provided at convenient conspicuously accessible locations in the yard area?	Yes	No	N/A		
17. Are portable fire extinguishers, rated not less than 2A, placed so that maximum travel distance to the nearest unit does not exceed 100 feet?	Yes	No	N/A		
18. Do you ensure that indoor storage does not obstruct or adversely affect the means of exit?	Yes	No	N/A		
Fire Protection: Flammable and Combustible Liquids - Construction					
19. Do you use approved containers and portable tanks for the storage and handling of flammable and combustible liquids?	Yes	No	N/A		
20. Do you make certain flammable or combustible liquids are not stored in areas normally used for the safe passage of people?	Yes	No	N/A		
21. Are portable outdoor storage tanks for flammable / combustible liquids at least 20 ft. from buildings?	Yes	No	N/A		
22. Are outdoor storage areas for flammable or combustible liquids kept free of combustible materials not necessary to the storage?	Yes	No	N/A		
23. Is a portable fire extinguisher having a rating of not less than 20-B units located between 25 ft. and 75 ft. from flammable liquid storage areas located outside?	Yes	No	N/A		
24. Is at least one portable fire extinguisher rated not less than 20-B-C units provided on all vehicles used for transporting and / or dispensing flammable or combustible liquids?	Yes	No	N/A		
25. Is the transfer of flammable liquids from one container to another done only when the containers are electrically interconnected (bonded)?	Yes	No	N/A		
26. Are flammable liquids kept in closed containers when not actually in use?	Yes	No	N/A		
27. Are conspicuous / legible signs prohibiting smoking posted in service and refueling areas?	Yes	No	N/A		
28. Is each service or refueling area provided with at least one fire extinguisher having a rating of not less than 20-B-C?	Yes	No	N/A		

Audit

Risk

Risk

## DAILY CRANE & HEAVY EQUIPMENT INSPECTION

STERLING EQUIPMENT

MAKE / MODEL:	DATE AND TIME:	SHIFT (1ST, 2ND, 3RD):
ASSET #:	OPERATOR (PRINT):	SUPERVISOR (PRINT):
METER HOURS:	OPERATOR (SIGNATURE):	SUPERVISOR (SIGNATURE):

CRITICAL INSPECTION ITEMS	S	US	NA	NOTES
1. WIRE ROPE EVIDENCE OF DISTORTION / SIGNIFICANT CORROSION				
2. WIRE ROPE ELECTRICAL DAMAGE				
3. WIRE ROPE END CONNECTIONS - APPLIED CORRECTLY				
4. WIRE ROPE END CONNECTIONS - CORRODED, CRACKED, BENT, WORN				
5. WIRE ROPE - 6 RANDOMLY DISTRIBUTED BROKEN WIRES IN 1 ROPE LAY OR 3 BROKEN WIRES IN 1 STRAND IN 1 ROPE LAY, WHERE A LAY IS THE LENGTH ALONG THE ROPE IN WHICH 1 STRAND MAKES A COMPLETE REVOLUTION AROUND ROPE				
6. ROTAT. RESIST. ROPE - 2 RANDOMLY DISTRIBUTED BROKEN WIRES IN 6 ROPE DIAMETERS OR 4 RANDOMLY DISTRIBUTED BROKEN WIRES IN 30 ROPE DIAMETERS				
7. SWIVELS - BREAKERS, DRUMS, RIGGING				
8. PENDANT CABLES OR STRAPS				
9. BOOM PAWL, HOIST PAWL				
10. BOOM AND HOIST CLUTCHES AND BRAKES				
11. BOOM HOIST LIMITED DEVICE / SWITCHES				
12. BOOM ANGLE INDICATOR				
13. BOOM STOPS				
14. HYDRAULIC - FULL EXTENSION / RETRACTION				
15. ANTI-TWO BLOCK DEVICES				
16. LOAD MOMENT INDICATOR / LOAD CELLS				
17. GAUGES / WARNING LIGHTS				
18. LOAD CHARTS IN CAB				
19. WARNING SIGNS - SWING / HI VOLTS / BARRIERS				
20. CONTROLS CLEARLY MARKED				
21. GUARDING EXPOSED MOVING PARTS				
22. SWING LOCKS AND BRAKES				
23. SAFETY DEVICES - LIMIT SWITCHES, LOOKS				
24. ELECTRICAL APPARATUS				
MAINTENANCE INSPECTION ITEMS	S	US	NA	NOTES
25. BEARING, ROLLERS, TURNABLE				
26. ANNUAL INSPECTION CURRENT, HAND SIGNAL CHART POSTED, LOG BOOK				
27. TRACKS / TRACK GUARD, BUSHINGS, TIRES				
28. WINDOWS / SAFETY GLASS FREE FROM CRACKS WHICH HINDER VIEW				
29. WINDSHIELD WIPERS, MIRRORS				
30. LIGHTS - HEAD / TAIL / TURN / FLOOD				
31. FUEL GAUGE / CAP PLACEMENT				
32. GAUGES / WARNING LIGHTS				
33. BATTERIES				
34. DRIVE UNIT				
35. SEAT / SEAT BELT				
36. SERVICE / PARKING BRAKE				
37. HORN / TRAVEL AND BACKUP ALARM				
38. BUCKET, TEETH, SHANKS, CUTTING EDGE				
39. FIRE EXTINGUISHER - INSPECTION DATE				
40. GUARDRAILS, HANDRAILS, STEPS				
41. BOOM, STICK, JIB, BOOM LADINGS				
42. BOOM LENGTH INDICATOR				
43. JIB ANGLE INDICATOR				
44. COUNTERWEIGHT				
45. OUTRIGGER WORK AND EXTENDED PROPERLY				
46. BLOCKS, BALLS, HOOKS, AND LATCHES				
47. EXHAUST SYSTEM				
48. BELTS AND HOSES				
49. HYDRAULIC HOSES AND PUMPS				
50. LEAKS - AIR, OIL, HYDRAULIC, COOLANT / ANTIFREEZE, FUEL				
51. LUBRICATION - GREASE SYSTEM WORKING PROPERLY, ALL FITTINGS TAKE GREASE				
52. ENGINE OIL LEVEL, HYDRAULIC OIL LEVEL				
53. TRANSMISSION FLUID LEVEL, COOLANT / ANTIFREEZE LEVEL				
54. GROUND CONDITIONS FIRM, GRADED / LEVEL, DRAINED				
55. OUTRIGGER PADS / CRANE MATS SUFFICIENT				
56. CRANE SECURED TO BARGE				
S = SATISFACTORY US = UNSATISFACTORY NA = NOT APPLICABLE				
COMMENTS				
OPERATOR MUST TURN IN DAILY CRANE INSPECTION TO SUPERVISOR BEFORE OPERATING EQUIPMENT. SUPERVISOR SHALL SEND / EMAIL TO MAINTENANCE DEPARTMENT WITHIN FIRST HOUR OF SHIFT. SUPERVISOR SHALL MAINTAIN COPY IN PROJECT FILES.				

00:00:47

Export

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# Collect Lagging and Leading Data

## SUPERVISOR'S INCIDENT REPORT

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ing/Lagging Indicators and Estimated Field Hours

## ROOT CAUSE ANALYSIS

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## WORKER/WITNESS INCIDENT/NEAR MISS ACCOUNT FORM

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Please Include the Following:

## CORRECTIVE ACTION

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## MONTHLY SAFETY STATISTICAL REPORT

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REPORT FOR PREVIOUS MONTH DUE 5th OF EACH MONTH

### PROJECT INFORMATION

REPORT YEAR: \_\_\_\_\_  
REPORT MONTH: \_\_\_\_\_  
PROJECT NAME: \_\_\_\_\_  
PROJECT LOCATION: \_\_\_\_\_  
PROJECT MANAGER: \_\_\_\_\_  
SAFETY OFFICER/ REPRESENTATIVE: \_\_\_\_\_

### HOURS

HOURS TOTAL: \_\_\_\_\_ FROM PAYROLL DEPT. \_\_\_\_\_

### SAFETY METRICS: LEADING - LAGGING

# EMPLOYEE OBSERVATIONS: \_\_\_\_\_  
# SAFETY INSPECTIONS - GENERAL: \_\_\_\_\_  
# SAFETY INSPECTIONS - FOCUSED: \_\_\_\_\_  
# STOP WORK EVENTS: \_\_\_\_\_  
# NEAR MISS EVENTS - NO INJURIES: \_\_\_\_\_  
# FIRST AID EVENTS: \_\_\_\_\_  
# OSHA RECORDABLE - MEDICAL ONLY: \_\_\_\_\_  
# OSHA RECORDABLE - RESTRICTED: \_\_\_\_\_  
# OSHA RECORDABLE - TIME LOSS: \_\_\_\_\_

### FILING LOCATION

Original in Project Files  
Original in Project Files  
Original in Project Files  
Original in Project Files / Copy to Corporate  
Original in Project Files / Copy to Corporate  
Original in Project Files / Copy to Corporate  
Original in Project Files / Copy to Corporate  
Original in Project Files / Copy to Corporate

### TRAINING COMPLETED (LIST TOPICS AND DATES)

### SAFETY DATA SHEETS (LIST FULL PRODUCT NAME)

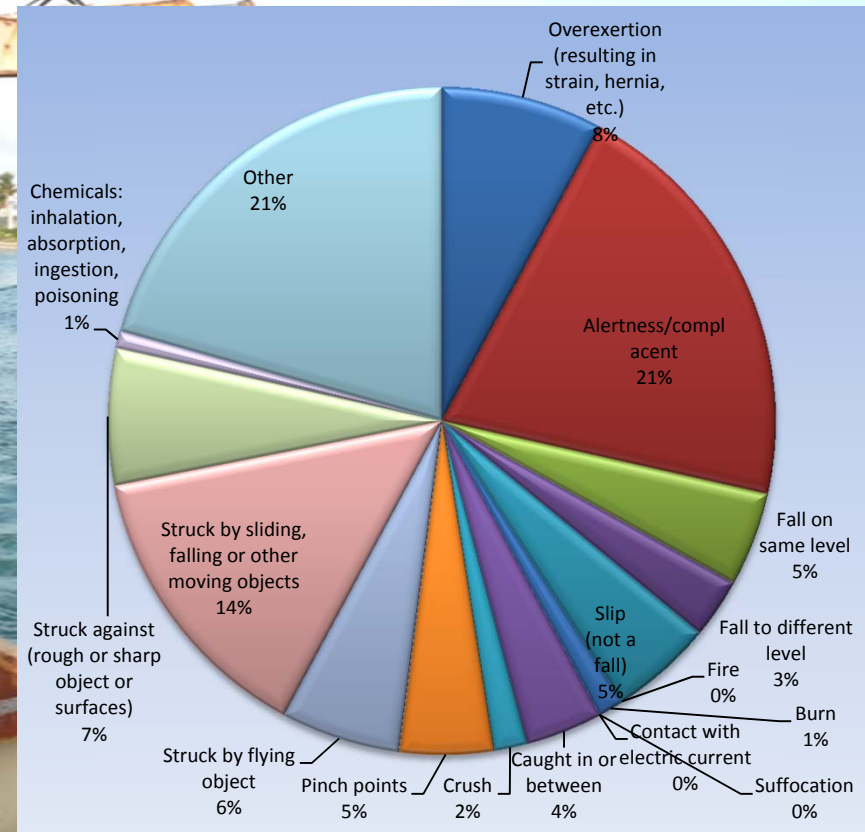
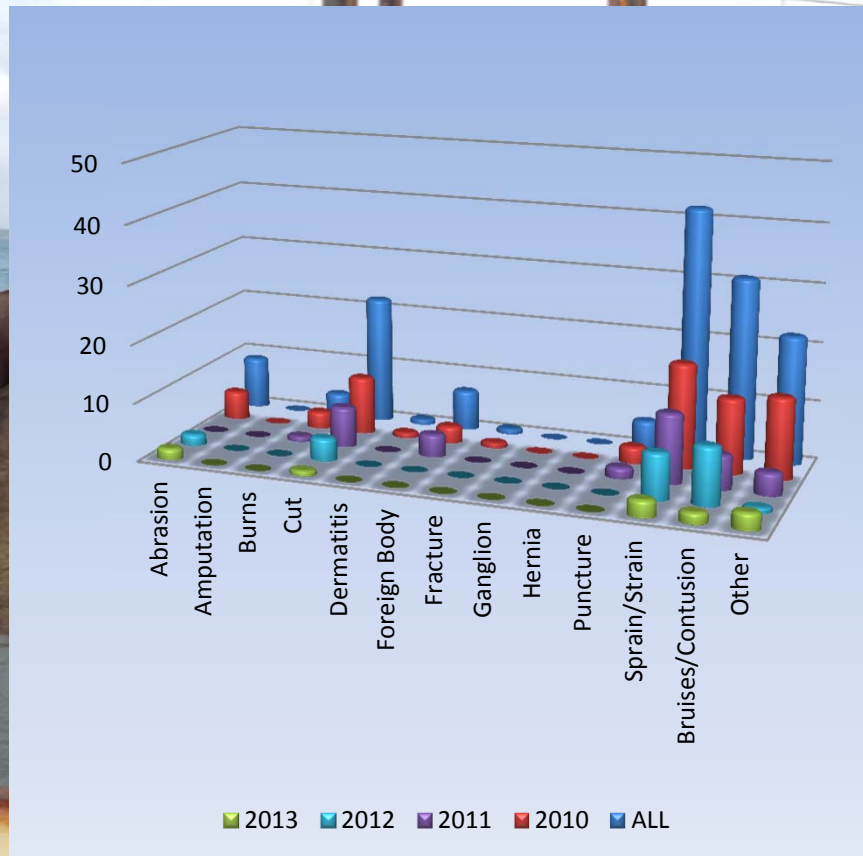
### COMMENTS

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BER  
BER

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# Trend Analysis



# JSA Improvements

## Blank

### Activity Hazard Analysis

Prepared By:		Project Name:	
Reviewed By:		Project Location:	
Approved By:		Project Number:	
Revision Date:		Date:	

Principal Steps, Potential Safety Hazards, and Recommended Controls			
#	Principal Steps	Potential Safety Hazards	Recommended Controls
1			
2			
3			
4			

REPEAT ALL ACTIVITIES AND HAZARDS HERE, OR REPEAT ONLY AS YOUR SUPERVISOR			
NAME	NAME		
1		11	
2		12	
3		13	
4		14	
5		15	
6		16	
7		17	
8		18	
9		19	
10		20	



# Training

Cisco WebEx Meetings - Jay Cashman's Instant Meeting

File Edit Share View Audio Participant Meeting Help

Quick Start Meeting Info 5a nail gun F... x

+ New Whiteboard

Participants Chat Recorder

Participants


Jay Cashman (Host)

Jay Cashman (Host, me)

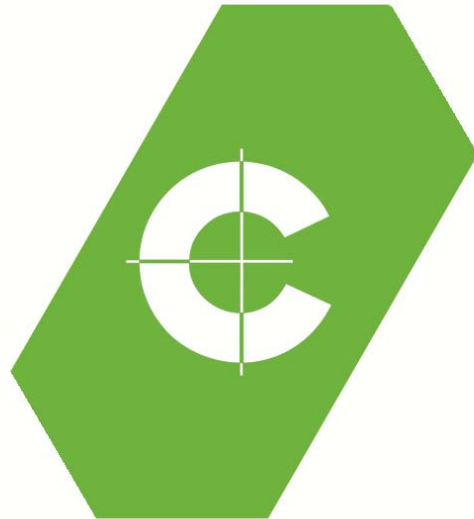
Make Presenter Audio

Chat

**Nail Gun Safety**  
A Guide for Construction Contractors



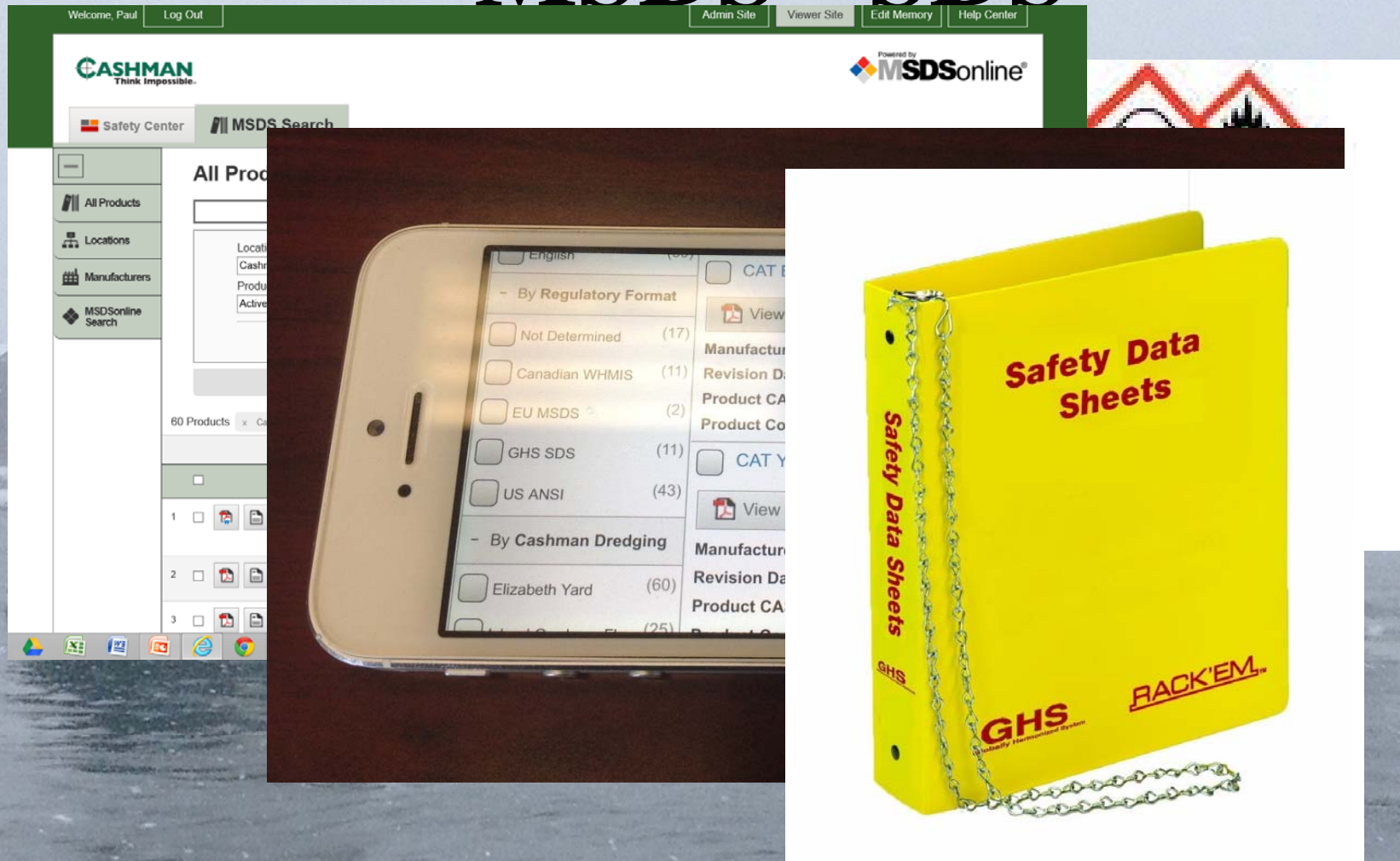
# New Hire Orientation



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# MSDS - SDS







OSHA®

# New Technology

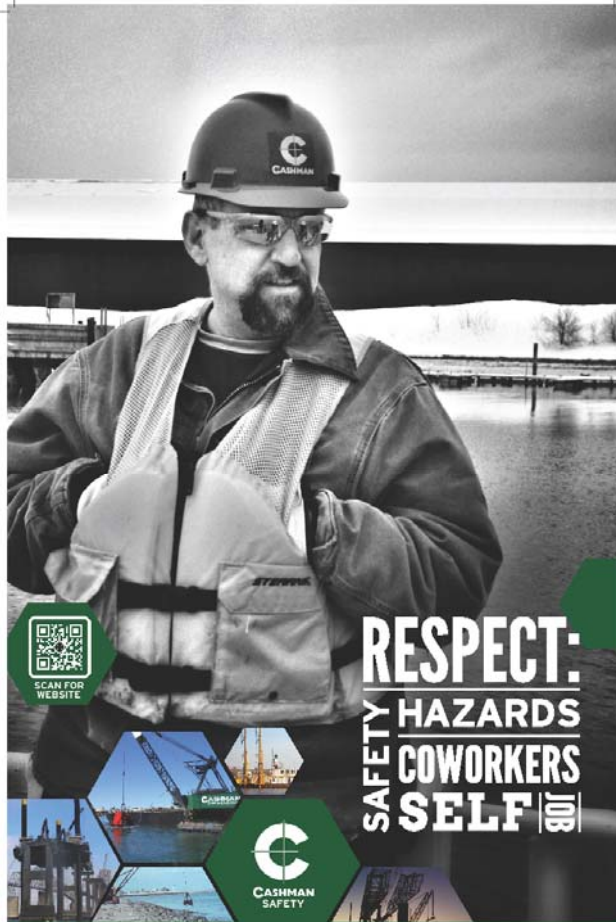


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# The Human Factor – Safety

## Culture





An aerial photograph of a river system. The river is dark and winding, surrounded by lush green trees and vegetation. In the upper right, there are several smaller, lighter-colored ponds or reservoirs. A long, flat barge is positioned in the lower center of the river, with a small tugboat or motorboat at its stern. The text "Thank You" is overlaid in a large, white, serif font across the center of the image.

# Thank You

The logo for Cashman Dredging. It features a green square with a white crosshair symbol. To the right of the square, the word "CASHMAN" is written in a bold, green, sans-serif font, and the word "DREDGING" is written below it in a smaller, green, sans-serif font.

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