



2024

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How to Turn Recordables Into Rewardables for Long-Term Success

Paul Thompson

HOW TO TURN RECORDABLES INTO REWARDABLES FOR LONG-TERM SUCCESS



Check-the-box compliance can feel so satisfying but once you've fulfilled your regulatory requirements it can be hard to get people within your organization to recognize that human factors training is necessary to not only improve but sustain safety.

Hear how a plant of close to 100 employees went from 8 lost time injuries to 0 recordable injuries by introducing and embracing human factors.



HOW TO TURN RECORDABLES INTO REWARDABLES FOR LONG-TERM SUCCESS



Participants will be taken beyond just the recordable injury reduction to analyze how the company maintained a positive safety culture by implementing techniques and tools that led to increased levels of near-miss reporting, improved employee safety performance and a high level of leadership support to keep everyone safe not just at work, but at home and on the road as well.

Participants will engage in a Rate Your State activity and Anticipating Error exercises with safe work permitting and procedure execution scenarios.





WHO AM I?



EPS Operator for 8 years (Huntsman Chemical & Flint Hills Resources)

Shift Supervisor for 6 years (Flint Hills Resources)

Currently the Site Training & Development Specialist

SS Steering Committee Chairperson & Trainer (2016 to Present)

Medical First Responder

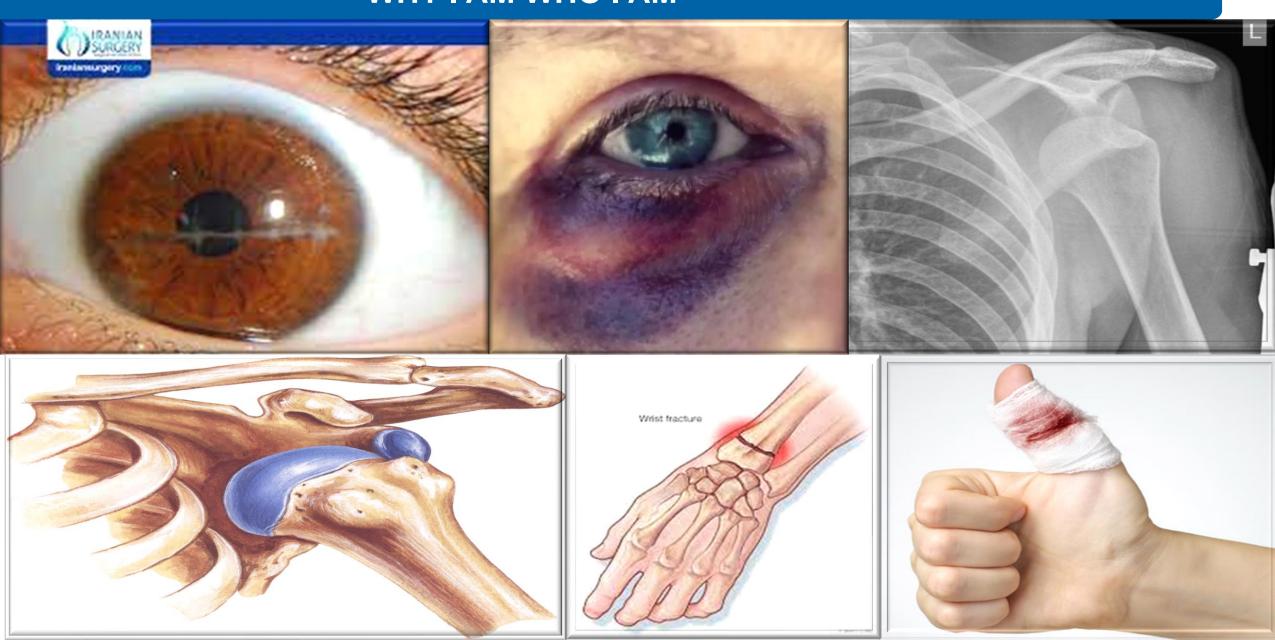
Confined Space Rescuer

Hazmat Operations level

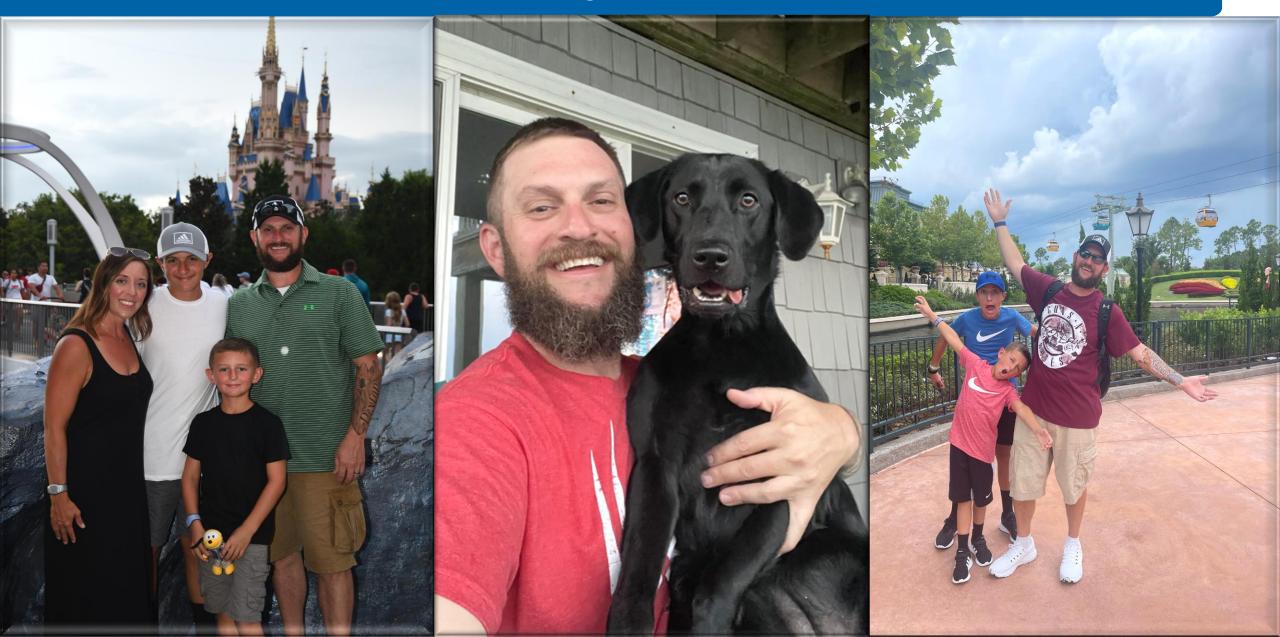
Incident Commander



WHY I AM WHO I AM



WHY I AM WHO I AM



WHO I WAS



- Prior to SafeStart I was a C.A.V.E.MAN
- Not sure what a caveman is?

Citizen

Against

Virtually

Everything

"I was perfectly fine with the way things were!"



SHALL WE BEGIN



- Peru Illinois
- 92+ Employees
- Half Union
- Half Company
- Average seniority 20 or more years



SHALL WE BEGIN

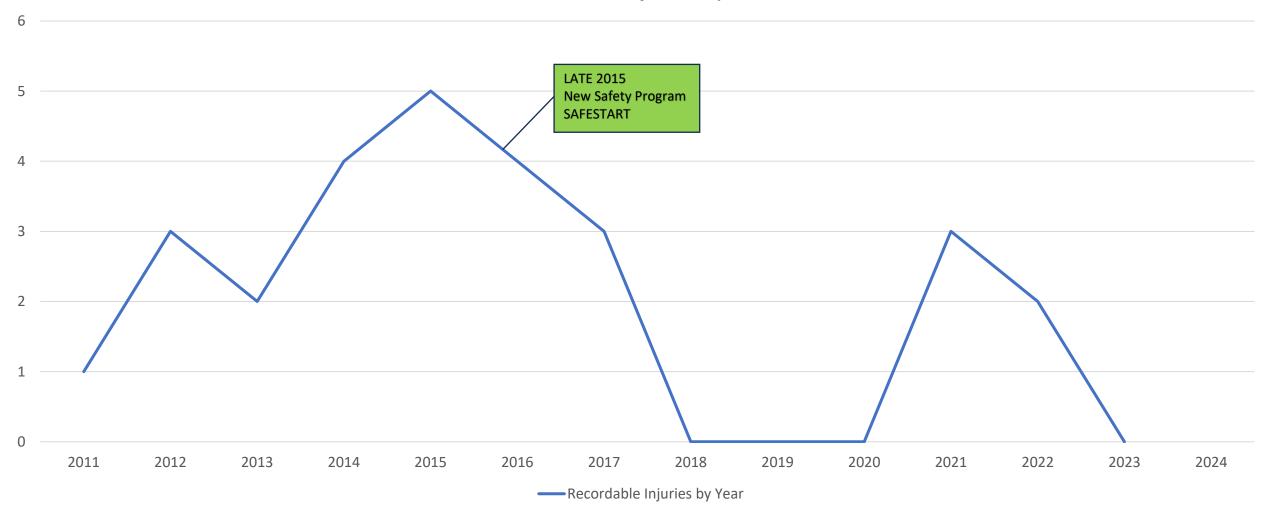


- VPP Star Site
- Traditional Safety Training
- Safety & Compliance #1
- Target 0 injuries
- Set safety records many times



HISTORY





HISTORY



Consultant visit Late 2015 – SAFESTART

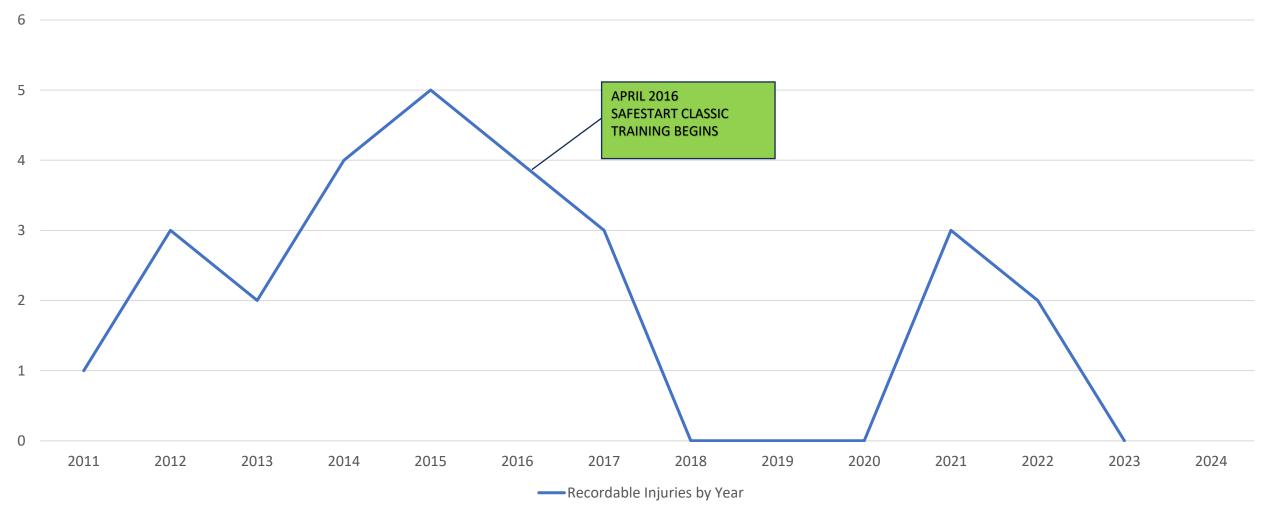
Build and Train the SafeStart Team

Schedule and Deliver Training



HISTORY







- FULL LEADERSHIP SUPPORT and PARTICIPATION
- Team had a generous budget
- Site was branded
- Communications sent

"HERE WE GO!"



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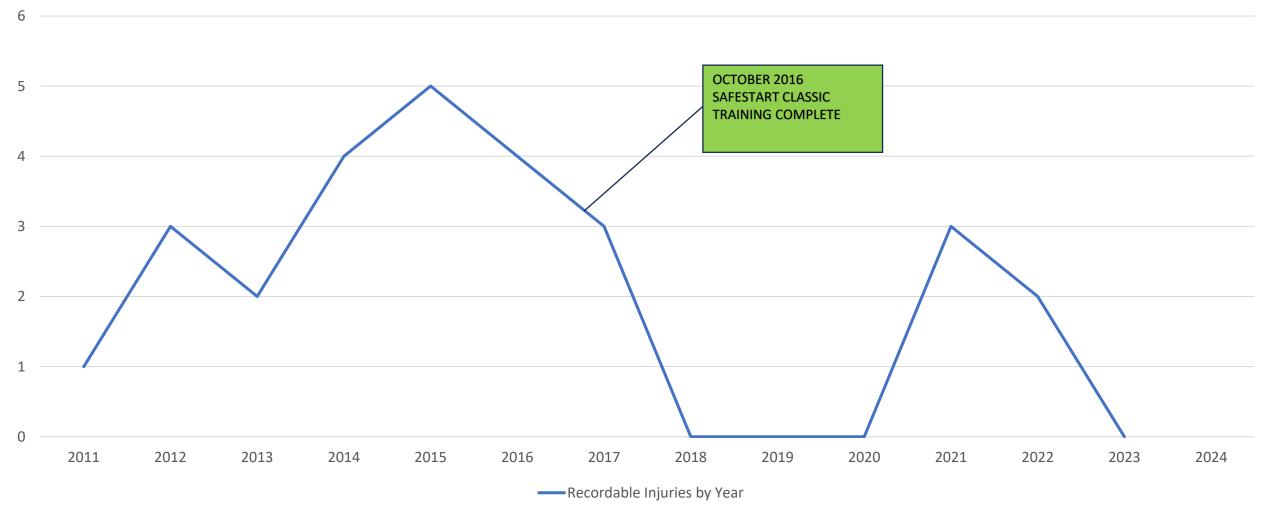
- * INCENTIVIZE
- * TEACH
- * PRACTICE/MENTOR
- * REWARD
- * CELEBRATE

REPEAT X 4

(Units 1 & 2 were done together)







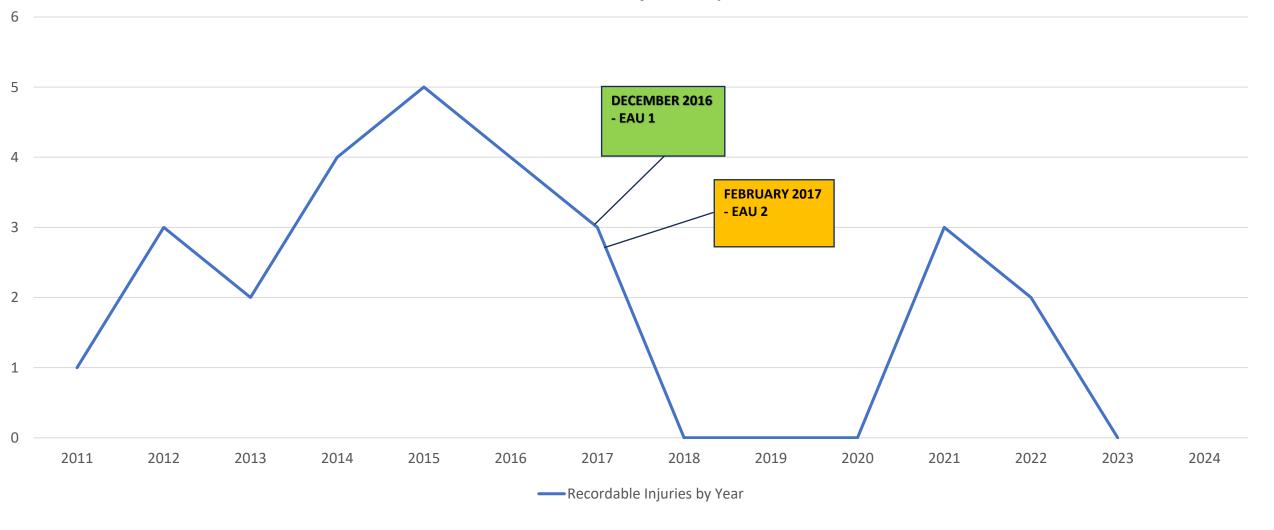


- Extended Application Units
 - Incentives
 - Teaching
 - Practicing
 - Rewarding

EAU1/EAU2







SOMETHING NEW



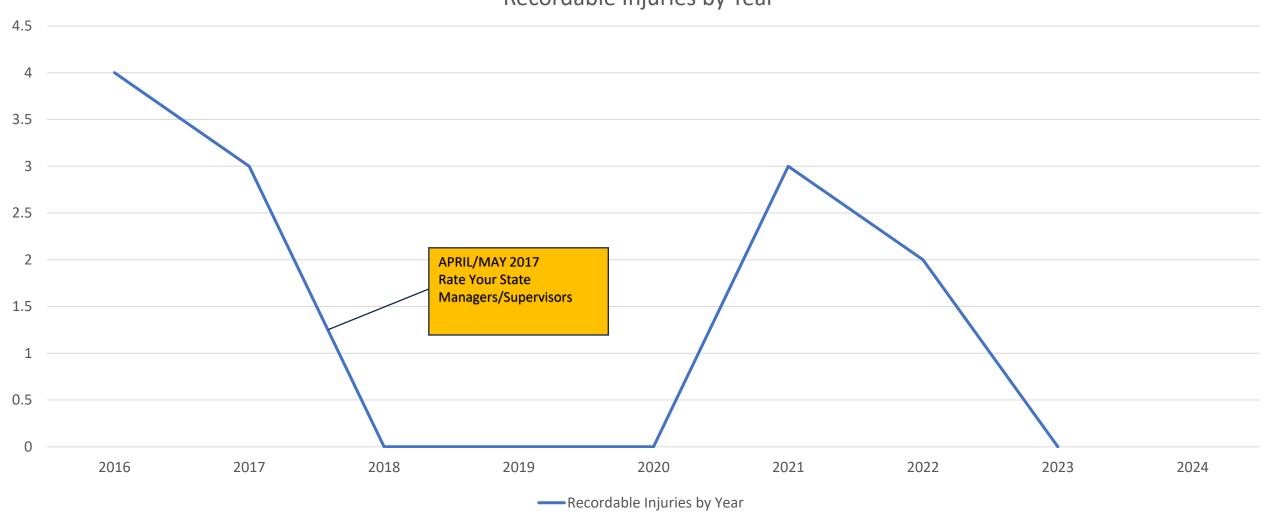
- Things were going well
- Human Factors Review(OFIs)
- Managers/Supervisors Rate Your State program

"We needed just a little bit more"



SOMETHING NEW

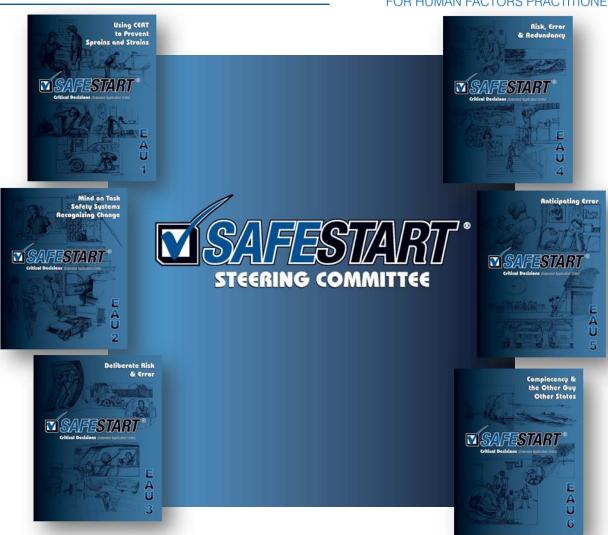




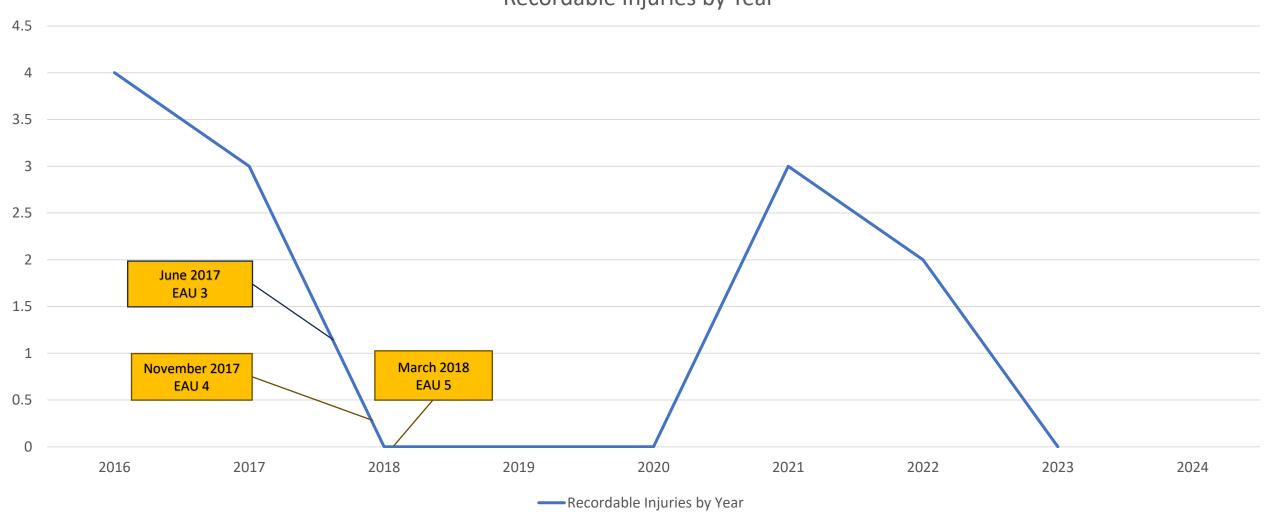


- Continued from the Steering Committee guide – Extended Application Units
 - Incentives
 - Teach
 - Practice
 - Reward

EAUs 3, 4, &5



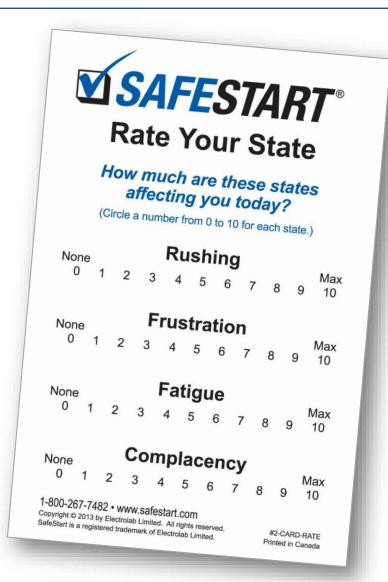




SOMETHING NEW AGAIN?

SAFESTART FORUM ...
FOR HUMAN FACTORS PRACTITIONERS

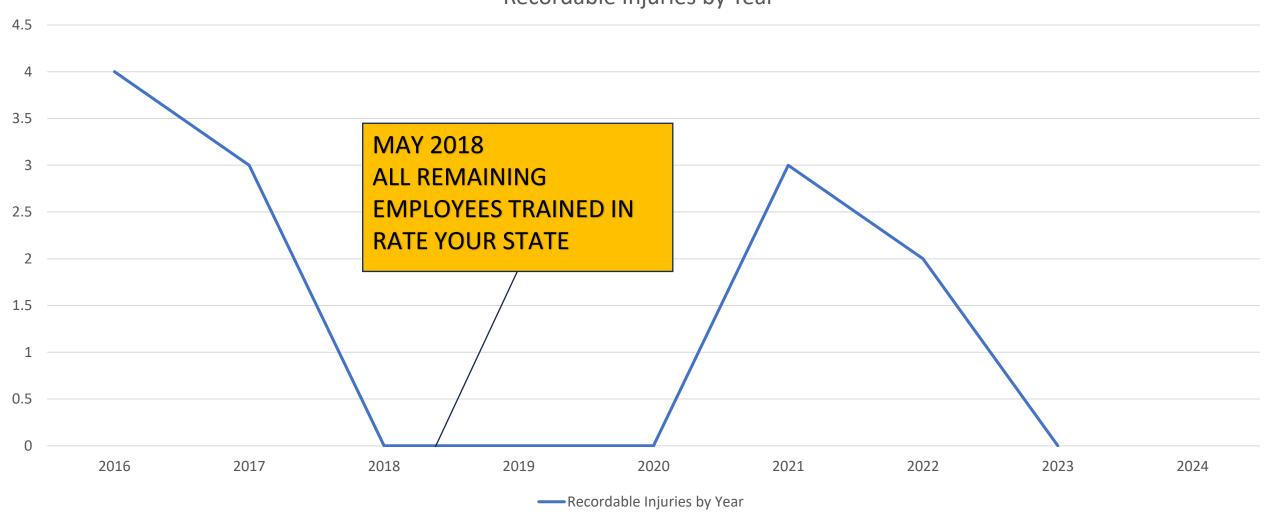
- Rate Your State was an awesome bridge between Leaders and Employees
- Plan to train all employees - Rate Your State



What critical error(s) would it be easy to make given the state(s) affecting you?
☐ Eyes not on Task
☐ Mind not on Task
☐ Line-of-Fire
☐ Balance/Traction/Grip
What critical error reduction technique(s) could help you prevent making these critical error(s)?
 Self-trigger on the state or amount of hazardous energy
 Analyze close calls and small errors
Look at others for the patterns that increase the risk of injury
☐ Work on habits

SOMETHING NEW AGAIN?







In August of 2018 we did our own spin on a SafeStart Review

Revisited all topics

Focused on the CERTS

Played SafeStart JEOPARDY!

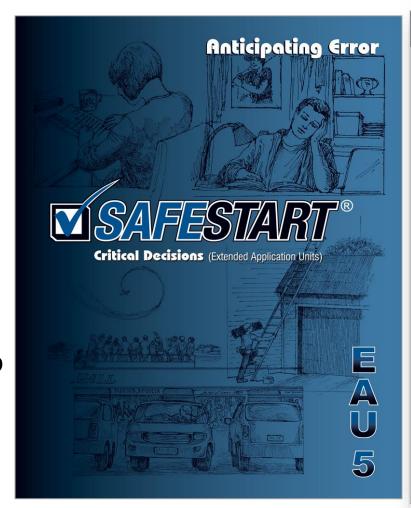
The SS team decided to look closer at that Anticipating Error thing from EAU 5

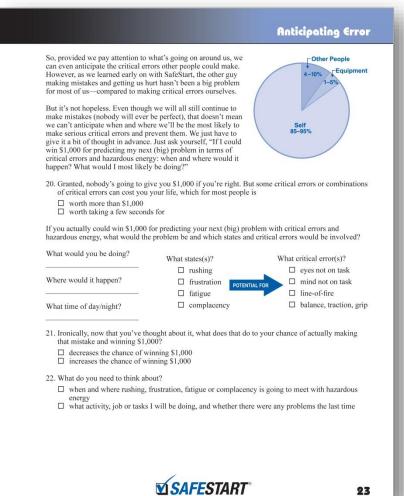


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- Things were moving along well so we took a break from the EAUs
- EAU 6 was delivered as scheduled in July 2019
- But what did we do between Aug. 2018 to July 2019?





WE WANT MORE



- There had to be more to this Anticipating error thing
- With a little help from our consultant we discovered



- With Injuries down to 0, let's see what else we can improve
- Included was:
 - More Rate Your State
 - More Anticipating Error

Just to highlight a few and just what we were looking for!

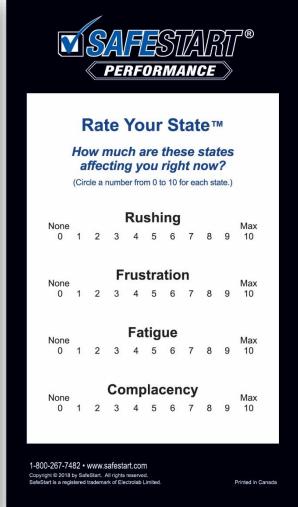


PERFORMANCE



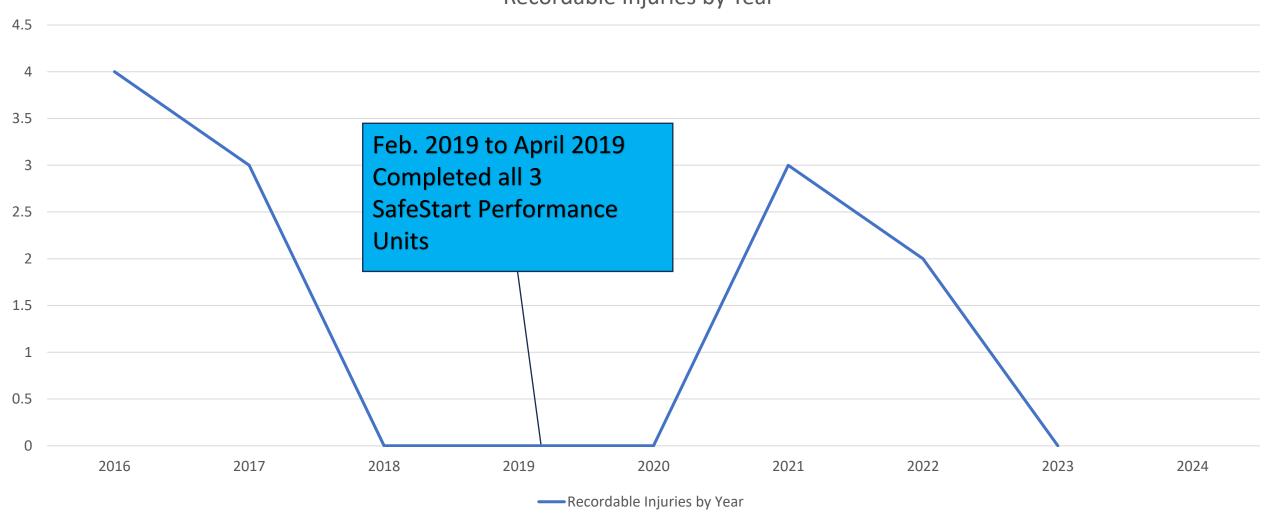
- SafeStart Performance went beyond Safety
- It was able to bridge a gap for employees that never left the office
- And then there was those 2 big things we wanted the most





PERFORMANCE







Timeline Gaps

 SafeStart Monthly Training Topics (Many provided by SafeStart)

Winter Driving

Holiday Hazards

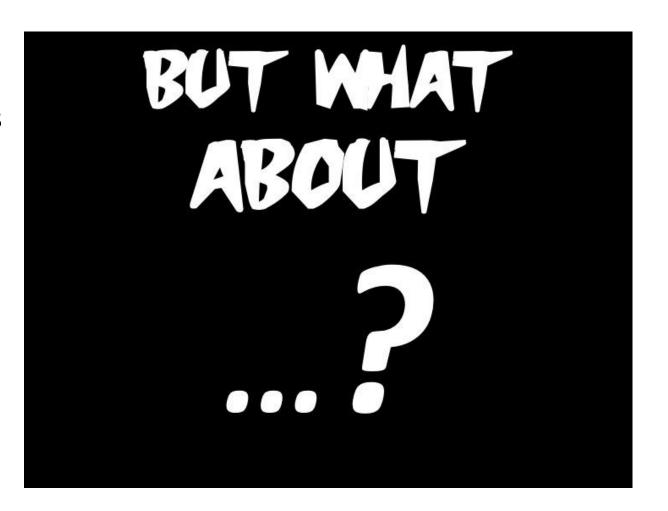
Summer Safety

CERT Review

Hand Safety

Daylight Savings Time

Reach out to a Client Success Manager for more information

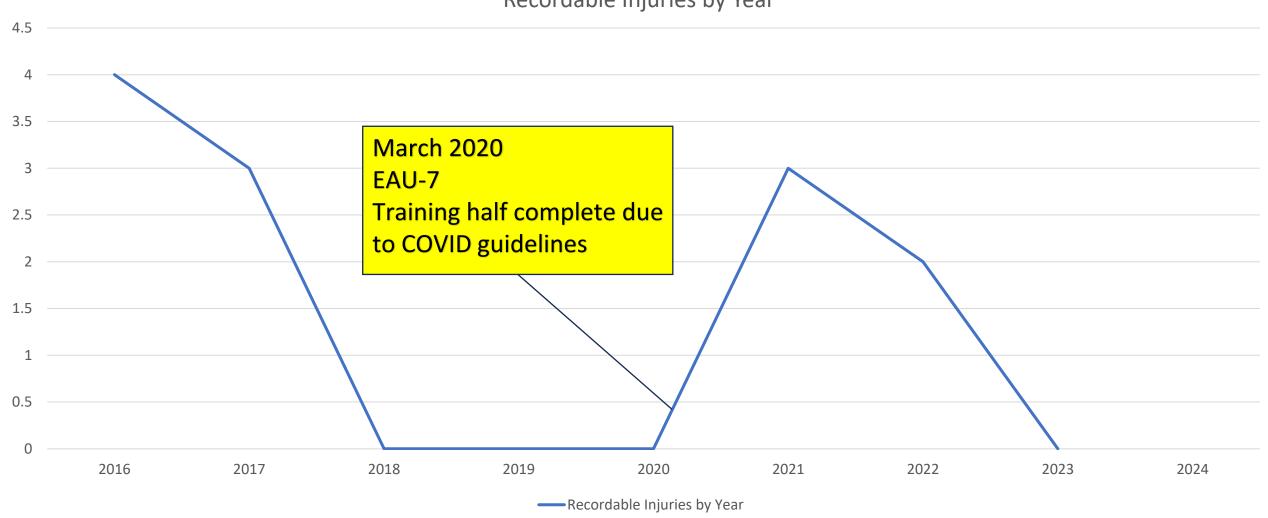




- Injuries still at 0
- EAU 7 scheduled
 - Teach
 - Practice
 - Recognize/Reward







THE COVID PERIOD



- New Challenges arose with COVID
- Injuries started to occur
- SafeStart field presence was gone

"So.... What do we do now?"



WHAT TO DO

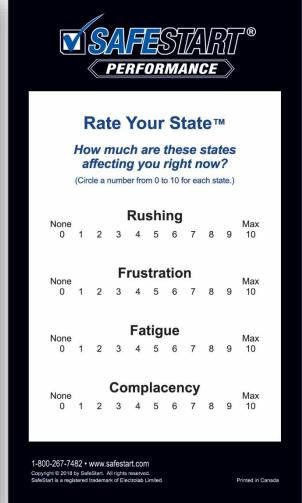


We had some ideas that we just didn't implement yet

They didn't require field presence

They only required using tools we already learned





OLD BUT NEW



- January 2021
 - (2 THINGS)
- Requested, Rate Your State or Anticipating Error sessions while permitting work
- Requested, 1 be done before In-Hand Procedure execution

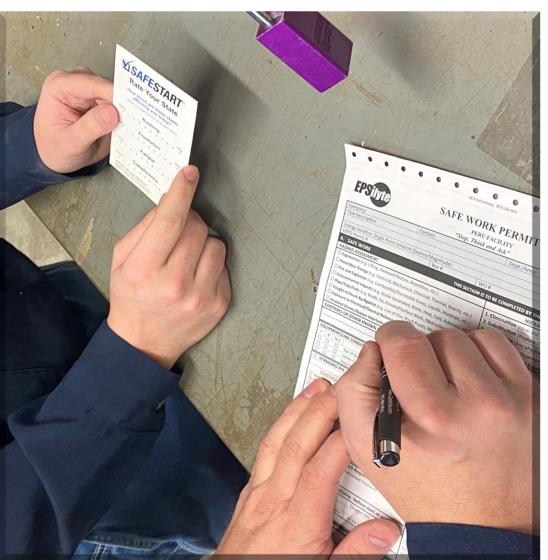
(Some employees were already doing this)



WORK PERMITTING-EXERCISE



- 1 Employee
- 1 Maintenance craft
- 1 Work Permit
- 1 SafeStart moment (Rate Your State)



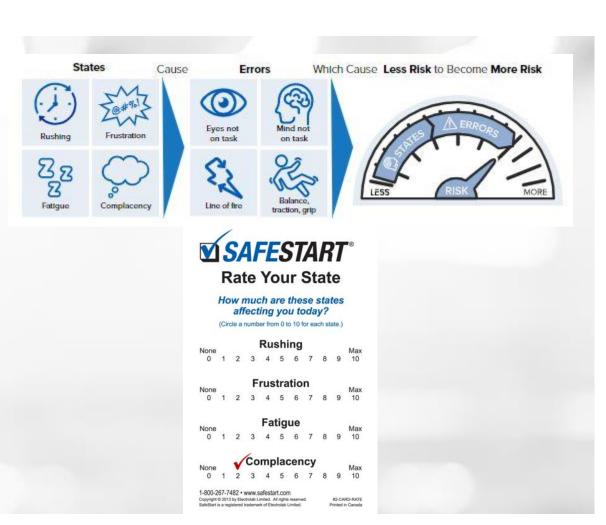
WORK PERMITTING



SAFE WORK PERMIT

PERU FACILITY PERMIT #
"Stop. Think and 4sk"

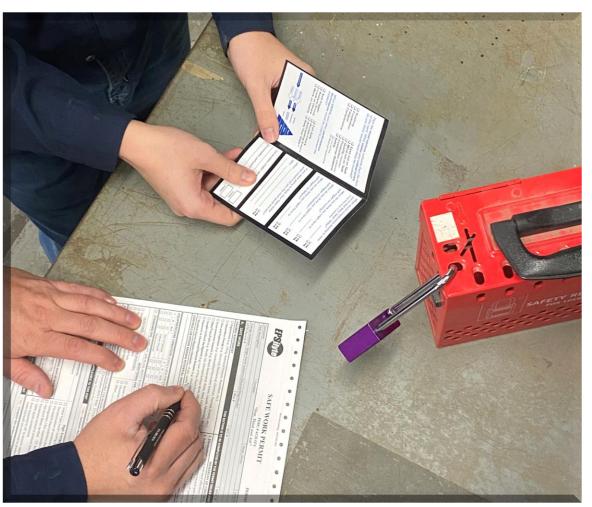
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LOTO Permit #			Box #					MOC#
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HAZARD ASSESSN								ARCHY OF CONTROLS
	Lifting, Awkward Post							nd most effective)
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	on (e.g. Combustible/F							ysical means of controlling the hazard)
	mpacts (e.g. Waste Ge							pendent on appropriate human behavior)
	(e.g. Beads, Ice, Elevat				-		tective	Equipment (Worn as the final barrier)
	By/Against (e.g. Line of						- 1	
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■ Dust Goggles	☐ Full Face		☐ Chemical	Gloves	i	☐ Chemical Suit		☐ Electrical PPE
☐ Chemical Goggle	es 🔲 Half Mas	k	☐ Other		!	☐ Other		☐ SRL/Harness
■ Shaded Eye Prot	ection	Air						D
ADDITIONAL DOC	UMENTS (APPLIES TO	PERMIT AND	AVAILABLE FOI	R REVIE	W FOR I	DURATION OF TASK	()	
☐ High Risk Approx	val Form (EHS-F-206)		Excavation(EHS-	F-332)	☐ Crr	ane Lift (EHS-F-331)	☐ BI	ind Risk Mitigation Form (EHS-F-222)
☐ Electrical Task H	azard Analysis (EHS-F-3	17)	Energy Control	Plan / L	OTO Pe	rmit (EHS-F-009)	□ In	terlock Bypass Authorization (EHS-F-237)
B. HOT WORK	IS HOT	WORK ADDITIO	ABLE TO THIS J	OP2	□ Vec.	Complete this sect	ion 🗆 I	No – Skip to Confined Space
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_ ongoing Avoi					□ Ext	inguisher / fire sup	pressio	n equipment is operable and at job site
	Initial Atmospheric		_		☐ Hot	t work blinds verifie	ed 🗖	N/A
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WORK PERMITTING-EXERCISE



- 1 Employee
- 1 Maintenance craft
- 1 Work Permit
- 1 SafeStart moment (Anticipating Error)



WORK PERMITTING



Lockout/Tagout/Try Work Permit	Permit		02
uipment/System to be locked out	Dat		
Start Time: FromDept,	_LOCK BOX IN	uniber	
CCP(s)			
Reason for Lockout			
	1770	WO	
General Procedure Review for Energy Isolation	YES	NO	By (Initials)
Have affected employees been notified			
Has equipment been shut down? Have lockout points been identified?			
Has equipment been decontaminated? (purged, washed, drained)			
Have lockout/tagout devices been installed at all lockout points?			
Has all potential energy been eliminated			
Equipment has been tested and verified as de-energized?			
Equipment has been tested and vermed as desenergized:		ш	
Pre-Job Safety Review		Craft I	nitials
Job Scope Discussed?			
Energy Isolation Procedure Reviewed?			
Energy Isolation Procedure Verified (Physically checked all isolation points)			
Hazards associated with the job discussed?			
Personal Protective Equipment (PPE) requirements discussed?			
Location of emergency equipment identified? (Eyewash, Fire Extinguishers, etc.)			
Emergency alarms and evacuation requirements discussed?			
Equipment Release & Pre-iob Safety Review Completion			
I have reviewed this equipment/system and believe that potential energy sources have be ready for maintenance. In addition, all items applicable as defined by the pre-job review h	en controlled	and the	system is
Peru Facility and Contractor personnel should be vigilant of changing work conditi			
conditions create an unsafe work environment, stop the job and reassess.			
1. OperationsDate:_		Time	à.
Reviewed/Accepted ByDate:		Time	e:
2. Companions (an deciman)		Time	
3. Supervisor (or designee)Date:_		IIM6	e:
Equipment Acceptance & Permit Closure			
I have reviewed this equipment/system and believe that the repairs/replacement are completed and	may be return	ed to norm	al operations.
Maintenance/Contractor		TIME	
2 Operations Wells Down			

IN-HAND PROCEDURE-EXERCISE



- 2 Operators
- 1 In-Hand Procedure
- 1 SafeStart moment (Anticipating Error)



IN-HAND PROCEDURE USE



General **Utilities Winterization** UTL-GOP-900 Epsilyte LLC This procedure has been designated "Procedure in Hand" Role Initials **PROCEDURE INSULATION SURVEY** Note Insulation must be present in good condition with banded metal covering. Must be dry and free from bended, deformation, frayed/torn or noticeable gaps. UO **PERFORM** critical insulation survey per list: UO Condensate return line from Extrusion to Boiler House 2. Waste Water from #001 Outfall to Surge Tank UO 3. UO Process Water supply line to Bldg. 4 UO City Water line to Tank Farm Safety Showers (including BA Truck Unloading) Bldg. 4 Effluent line to Surge Tank UO 6. Brine Tank fill and Brine line UO 7. E-Cell/RO Reject line to Boiler House UO 8. UO PO/QC/FW sump line to Surge Tank UO 10. Bldg. 4 Condensate return line to Boiler House UO City water surge tank and piping

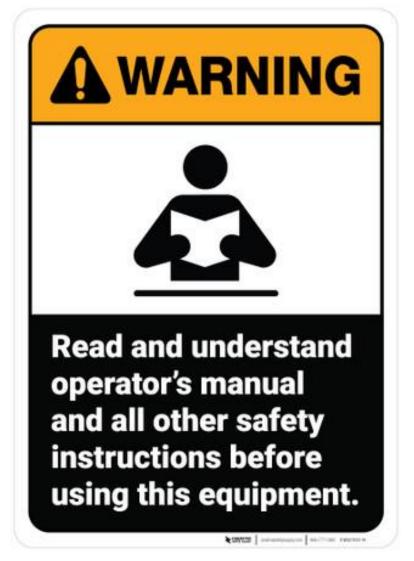




EMERGENCY PROCEDURE-EXERCISE



- 1 Crew of Operators
- 1 Supervisor
- 1 In-Hand Procedure
- 1 SafeStart moment (Rate Your State)









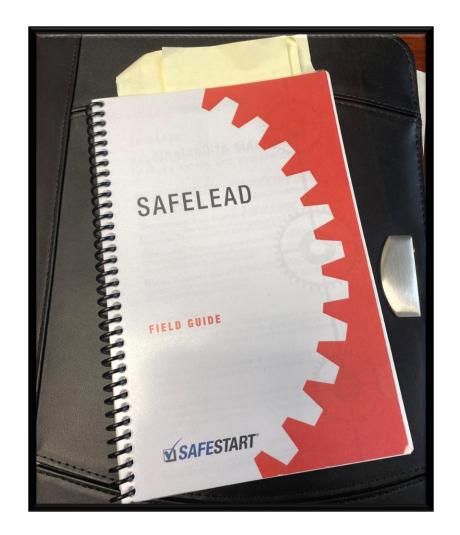
BACK IN THE GAME



We adopted SafeLead in July 2021

Needed to get Supervisors back in the front lines

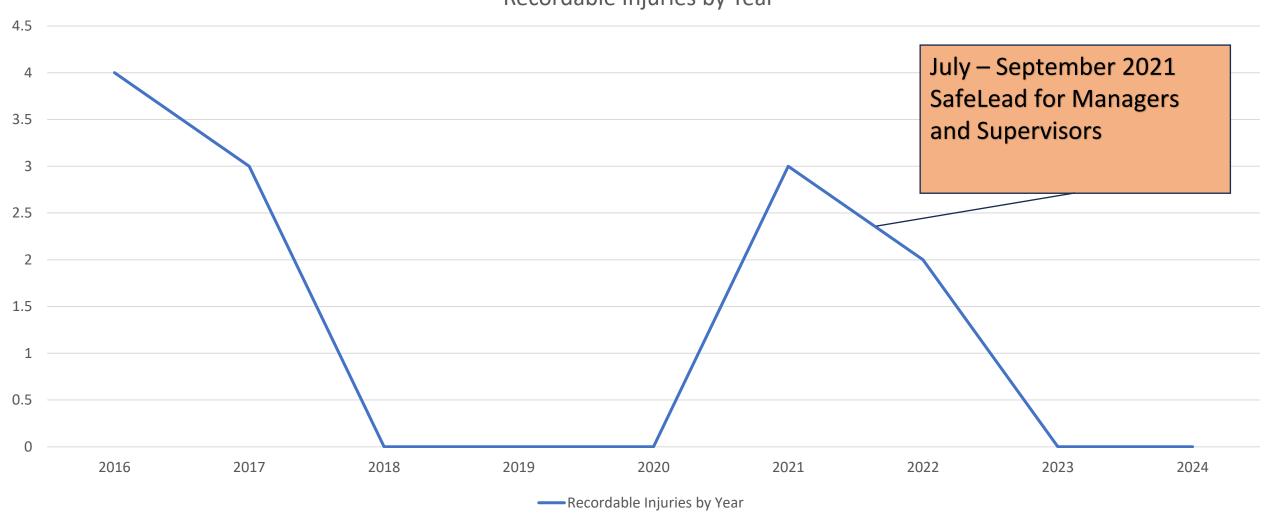
For more info on SafeLead – See a Client Success Manager or sign up for Deric Ostrum's workshop here at the SafeStart Forum



CONTINUED EDUCATION



Recordable Injuries by Year



SAFESTART – AGAIN?





SAFESTART NOW



Needed a Re-Vamp of the program

- New/Old Trainers
- New Steering Committee
- New Material

Plus, we had a lot of New faces we hadn't trained yet

Never underestimate the power of a fresh coat of white paint. Jeremiah Brent Brainy Quote*

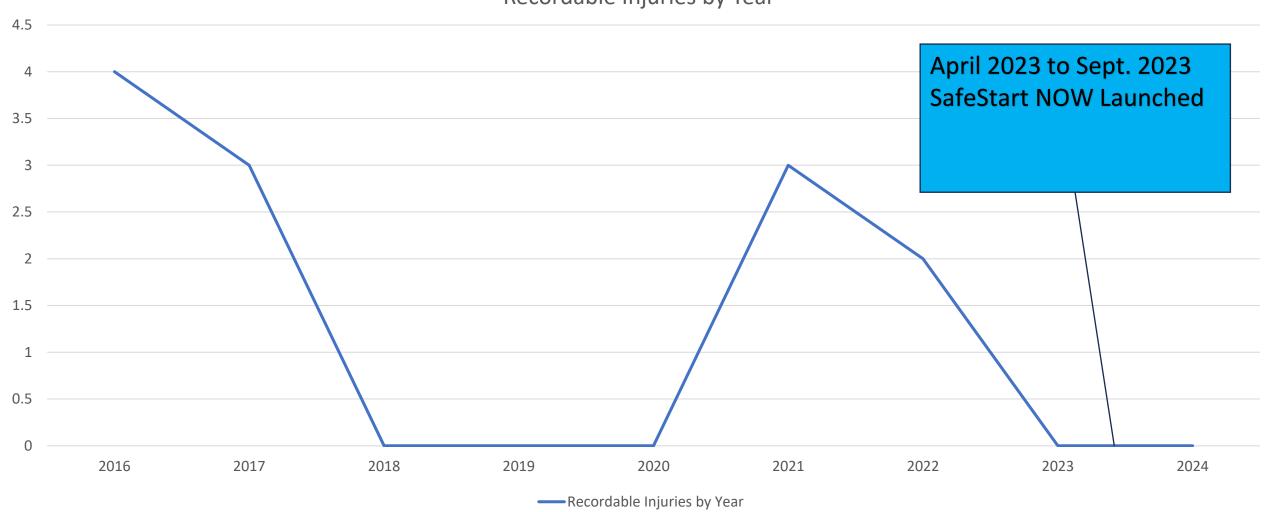
In this case, the paint was BLUE ©

Brought about a new energy!

CONTINUED EDUCATION



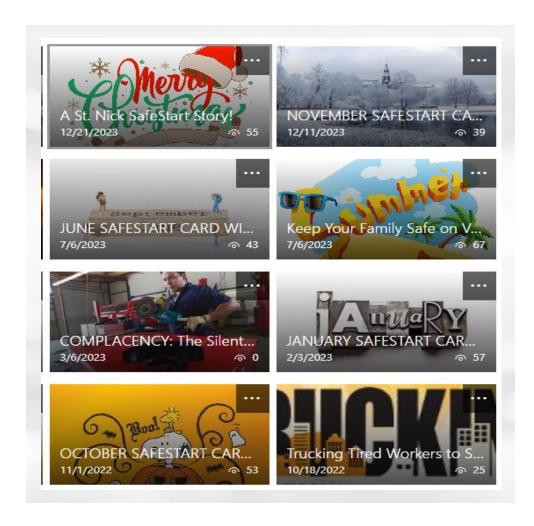
Recordable Injuries by Year



SAFESTART NOW







SAFESTART NOW



Digital SafeStart card options

Microsoft Sways – Communication

Client Portal Resources

Family Events/Contests

Improved Data flows

And as always Incentives



CONCLUSION



Finished 2023 with 0 Injuries

Re-Delivered SafeStart

Polished old items

Created new tools

Used feedback from employees

Continued family focus

Multi-site Program



THANK YOU FOR ATTENDING!

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