

Introductions

- ☐ Nick Kruse; Regional EHS Manager
- ☐ Joe Metcalf; Bedding Products EHS Director

Seggett & Platt.

Our Core Tenants

- ☐ Master basic regulatory compliance
- ☐ Create employee-centric EHS program
- ☐ Continuous improvement thru data driven decisions

Data Driven Decisions



What EHS Data?

- ☐ Lagging indicators
 - ☐ OSHA rates
 - ☐ Workers Compensation claims and dollars
 - ☐ Insurance



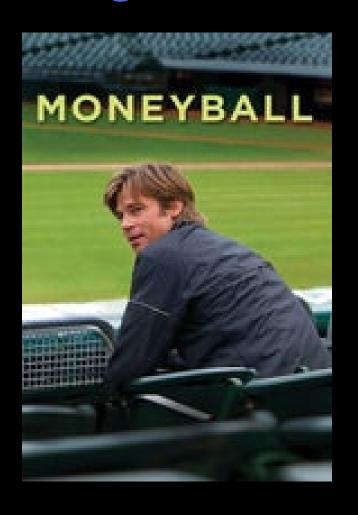
Leading Indicators / Causation

Measurable or observable variable that predicts a change or movement in another data series, process, trend, or other phenomenon of interest before it occurs.

Similar to root cause, the deeper you go in leading indicators, the broader the outcome impact and the more control you have.

Seggett & Platt.

Leading Indicators / Causation



Baseball Sabermetrics –

 K-BB%, wOBAcon, xwOBAcon, ISO, SLG%, xSLG, AVG, xBA, HR/9, Brls/BBE%, Brls/PA%, Average Spin Rate, Average Velocity, Average Exit Velocity, Average Launch Angle, WHIP, Hits/IP, Hard Hit Rate, Hard%, Soft%, GB%, FB%, and LD%.

The Case of Jose Bautista

- Blue Jays 10 seasons
- ☐ Averaged 29 homeruns / yr
- ☐ 6 time All Star
- ☐ 4-time MVP top ten votes
- ☐ 3 Silver Sluggers
- Pirates 4.5 previous seasons
- ☐ Bench player
- ☐ Averaged 10 homeruns / yr





Information Loop

- ☐ Identify what data you want to collect
- ☐ Develop systems to capture
- ☐ Aggregate
- ☐ Sort
- ☐ Trend
- ☐ Evaluate

Best EHS Data to Capture?

- ☐ We're not as advanced as baseball
- ☐ We do collect a lot of data
 - ☐ Incident investigations
 - ☐ Job Safety Analyses
 - ☐ Audits / inspections / assessments
 - ☐ Budgets, goals



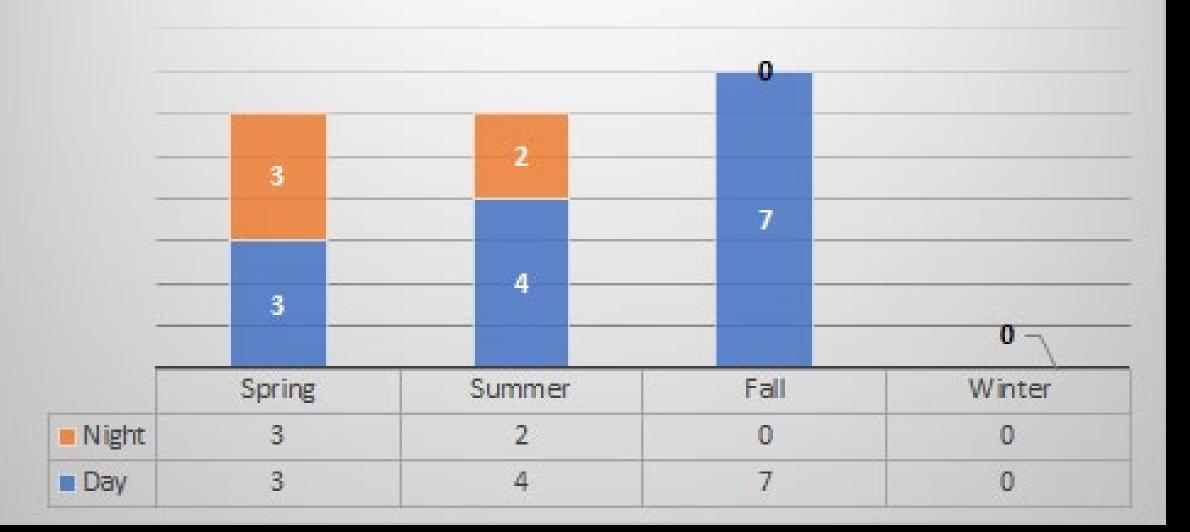
Technologies

- ☐ Microsoft Office
- ☐ SharePoint
- ☐ Power BI
- ☐ Power App
- ☐ Power Automate
- ☐ In-house developed
- ☐ 3rd Party
- ☐ Teams





Arm Cuts, Punctures, and Burns in Wire 2013-Present





Various style sleeves

Protection driven utilizing data. Puncture protection for wire drawing but heat and puncture protection for galvanizing department.



High Cut Resistance Sleeve

An A7 cut protection and still high puncture protection. Also, cool and breathable fabric to reduce heat related resistance.

Employee-centric EHS Program



Partnering with Our Employees

To be effective, any safety and health program needs the meaningful participation of workers. They often know the most about potential hazards associated with their jobs. Successful programs tap into this knowledge base.

Worker participation means that workers are involved in establishing, operating, evaluating, and improving the safety and health program.



How to Do It

- ☐ Encourage workers to participate in the program
- ☐ Encourage workers to report safety and health concerns
- ☐ Give workers access to safety and health information
- ☐ Involve workers in all aspects of the program
- ☐ Remove barriers to participation

Employee Engagement

≥50% of employees actively engaged and involved in EHS related activities:

- ☐ Safety Audits / Inspections
- ☐ Safety Committees
- ☐ Employee Suggestions (that were implemented)
- ☐ Trainer or presenter in EHS training
- ☐ Lead in Job Hazard Assessments or Incident Investigations
- ☐ Participant in EHS themed CI, 6S, or related projects
- ☐ Near-miss reporting

Safety Recognition - Benefits

- ☐ Excite Partners with tangible useful items
- ☐ Involves Supervisor and Managers
- ☐ Easy to administer, both entry and reporting
- ☐ Competitive in a good way
- ☐ Places more safety professionals on the floor
- ☐ Flexible ways to earn points (easily adaptable)
- ☐ INJURY AND RISK REDUCTION

Seggett & Platt.

How to Earn Points

6S Event Participation (per Day) Lead Safety/CI Committee

Behavior Correction Mentoring New Hire / Transfer

Cleaning Lights in WD Participate in Continuous Improvement Team

Create a Safety Document/Device Review Safety Procedure

Employee Conducting Toolbox Talk Running Sweeper/Housekeeping

Event Investigation Participation Safety/CI Committee Member

Hazard Recognition & Corrected Training Partner New to Dept

Impromptu Audit Participation Zone Audits

Seggett & Platt.

Safety Recognition - Obstacles

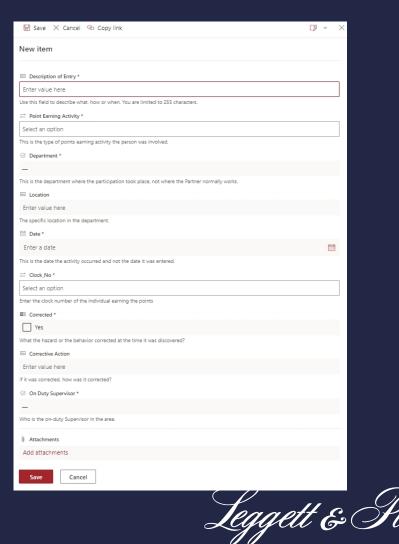
- ☐ Partners who feel it is a trap
- ☐ Partners who think it will be difficult to get involved
- ☐ Partners who do not want company logo on tangible items
- ☐ Entries of items that should be normal during employment (i.e., picking up after ourselves)
- ☐ Maintaining the program, it must remain fresh

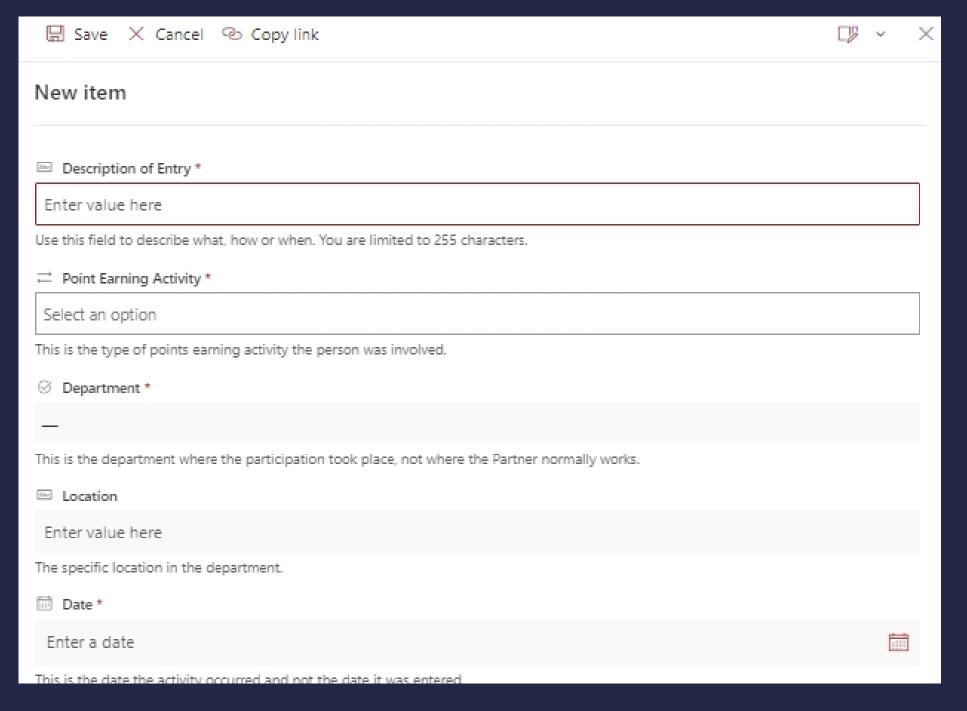
The Exchange

- ☐ Team members can exchange earned points for a
 - variety of items.
 - ☐ Thermos/Insulated drink cup
 - ☐ Shirts, polo and dress
 - ☐ Jackets, vest, sweatshirts
 - ☐ Hats, both ballcap and knit caps
 - ☐ All items are available for both female and male
- ☐ Create excitement by changing items occasionally

Recognition Technology

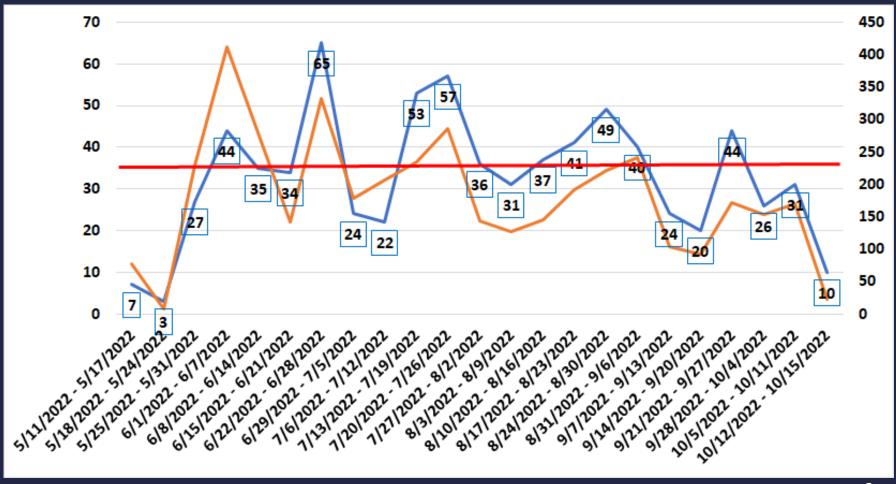
- Utilizing SharePoint it is extremely easy.
- App, Power Automate and Power BI can extremely decrease the need for administration of the program

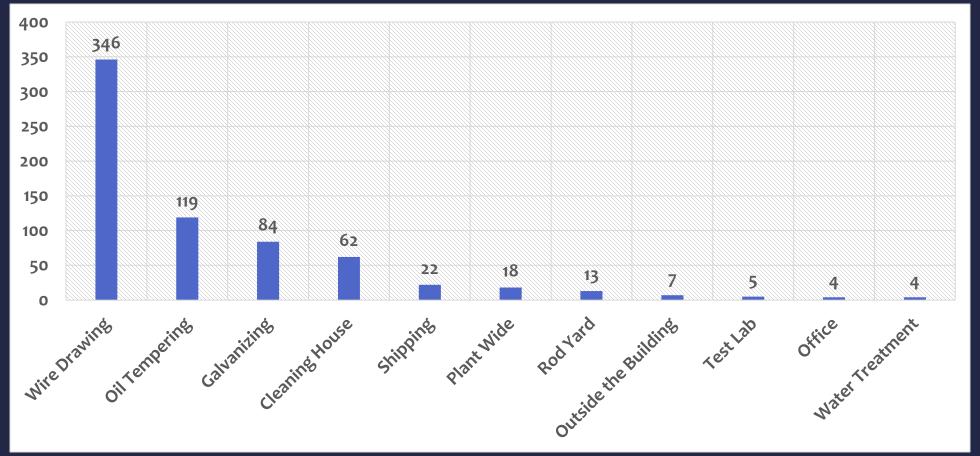




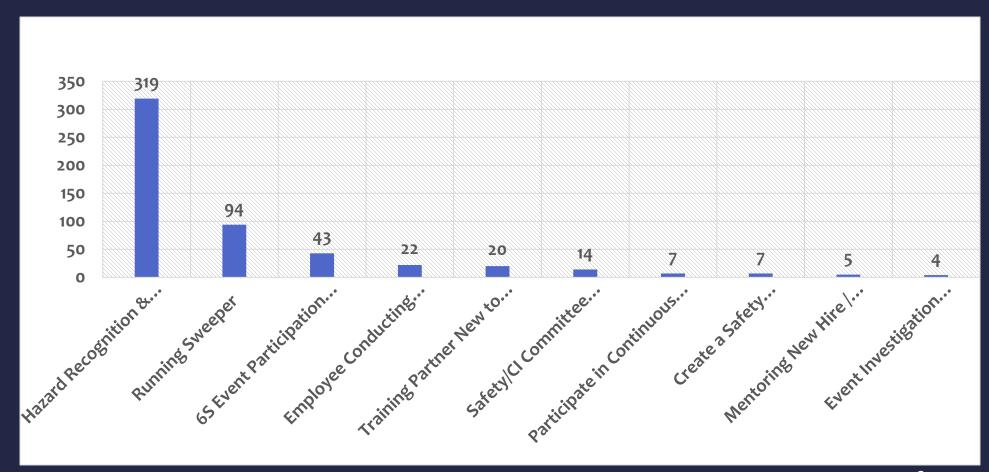
Seggett & Platt.

Weekly Performance Graph





Type of Activity and Total





- Programs, policies and procedures-related requirement: Indicates required programs or policies, which can be written or unwritten, and/or be a mix of procedures (e.g.; work practices, controls), policies or plans required to meet a rule's requirements.
- Inspections and tests requirement: Indicates required inspections, workplace evaluations, hazard assessments, visual examinations tests, and/or surveys, documented and undocumented.



- Recordkeeping requirement: Indicates rules that have recordkeeping requirements for activities such as injury reporting, equipment inspections, surveys, tests, medical monitoring, exposure monitoring, training, records and other documentation requirements.
- Certification requirement: Indicates rules that have a certification component. Certification will usually mean a written, signed, and dated statement confirming the performance of a requirement—also called a "certification record" in many rules. Also "Competent person" and "Qualified person"

- ☐ Training and communications requirement:
 - Indicates rules that have requirements for employee training, instruction, communications and/or providing information.
- **Exposure monitoring requirement:** Indicates rules that require exposure monitoring or other monitoring components for workplace

hazards such as noise, chemicals and air contaminants.



- Medical surveillance requirement: Indicates rules that require regular medical examinations and consultations for employees who may be overexposed to hazardous substances during their work and/or a medical or a physically qualified component.
- Digns, markings, tags requirement: Indicates rules that have requirements for some type of labeling component for equipment, machines and tools or signs for regulated areas, or requirement for establishing a regulated area, a posting requirement or placarding.



- Permitting and reporting: Indicates rules that have requirements approved agreements with regulatory agencies governing appropriate use, testing, inspections, and reporting.
- ☐ All the shop floor requirements!





Our Technology



SafeGuard 2.0 Incident Log



Submit an Online

Work Order

Create Safety Work Order



SafeGuard Dashboard



International Online Portal



CCMSI Work Comp Portal



OSHA Log

Job Hazard Analysis



SafeGuard Training Materials



SafeGuard Webinars



SafeGuard Programs & Documents



Temporary Staffing Resources



Zone Audit Inspections COVID-19 Materials





GRC Impairment Documentation



Discussion Board



Employee Recognition Program



SG Promotional Items

EHS Regulatory Reports and Permits 2 REPORTING CALENDAR

- 3							
4	Branch √▽	Unit ~	Reference ~	Media ~	Report / Permit ID	Submit To ~	Next Due
11	Carthage (0400)	Drawn Wire	Landfill Permit		5008Y113874	Republic Services	12/17/2022
12	Carthage (0400)	Drawn Wire	Wastewater Water Discharge Permit	PSTD	8901-21	City of Cartage	12/31/2022
13	ECS-Americus (1117)	Specialty Foam			Annual Report - Stormwater	GA EPD; Non-Point Source Program; 2 Martin Luther King, Jr. Drive, SW, Suite 1462; Atlanta, GA 30334	12/31/2022
14	Sterling Steel (0530)	Steel Rod	Mercury	EPA	SEMI Annual Mercury Switch Plan Report/Certification	Springfield and Peoria	12/31/2022
15	High Point (1506)	US Spring	sw	Storm Water	NCGNE0517	Annual self-recertification	2/1/2023
16	Springhill (0906)	•		EPCRA/SARA	40686 Florida SERC ID	Florida SERC /Eplan report /University of Texas	3/1/2023
17	Carthage (0400)	Drawn Wire	Tier 2	EPCRA/SARA	64836LGGTTEASTC	Missouri Emergercy Response Commission	3/1/2023
18	Merit Steel (0R01)	Drawn Wire	Tier II	EPCRA/SARA	Site ID #IND984873646	CDX.EPA.Com	3/1/2023
19	ECS-Americus (1117)	Specialty Foam	EP-2	EPCRA/SARA	Tier II Annual Report	Eplan Electronic Submittal Website	3/1/2023
23	Sterling Steel (0530)	Steel Rod	CAAPP	Air	ID #195818AAI - Permit #96010019	IEPA - Division of Air Pollution Control	3/1/2023
24	Sterling Steel (0530)	Steel Rod	TIER 2	EPCRA/SARA	ID# 011098	Illinois Emergency Management Agency	3/1/2023
25	Sterling Steel (0530)	Steel Rod	Annual Generator Report	land	Site #ILR000115675	IEPA - Bureau of Land	3/1/2023
26	Carthage (0001) A	US Spring	Tier II	EPCRA/SARA	Carthage Spring Building 1 & 2	Missouri Emergency Response Commission	3/1/2023
27	Carthage (0001)B	US Spring	Tier II	EPCRA/SARA	Carthage Spring Building 3	Missouri Emergency Response Commission	3/1/2023
28	Clearfield (0042)	US Spring	Tier II	EPCRA/SARA	exempt - annual reporting		3/1/2023
29	Denver (0008)	US Spring	Tier II	EPCRA/SARA	exempt - annual reporting		3/1/2023
30	Ennis (0003)	US Spring	Tier II	EPCRA/SARA	RN104357652	www.texastier2.org	3/1/2023
31	Ennis (0003)	US Spring	sw	Storm Water	exempt - annual reporting		3/1/2023
32	High Point (1506)			EPCRA/SARA	exempt - annual reporting		3/1/2023
33	LA Spring (0052)	US Spring	Tier II	EPCRA/SARA	CERS ID: 10273804	California Environnetal Reporting System	3/1/2023

REQUIRED RISK PROGRAMS AND TRAINING												
	OSHA	Program	Audit	Required Training		Training Frequency						
OSHA Program Topic	Reference	Required	Required	All	Affected	Initial	Annual	Periodic				
>	$\overline{}$	lacksquare	>	·	$\overline{\Sigma}$	·	$\overline{\Sigma}$	>				
Accident Reporting and Investigation	<u>1904</u>	<u>Yes</u>	<u>Yes</u>	<u>Yes</u>	-	Yes	No	No				
Bloodborne Pathogens	1910.1030	<u>Yes</u>	<u>Yes</u>	No	<u>Yes</u>	Yes	Yes	No				
Compressed Gas	1910.101	No	<u>Yes</u>	No	<u>No</u>	No	No	No				
Confined Space Entry (Permit Required)	1910.146	<u>Yes</u>	<u>Yes</u>	No	<u>Yes</u>	Yes	No	Yes				
Dipping & Coating Operations	1910.122-126	No	Yes	No	No	No	No	No				
Electrical Safety	1910.331-335	<u>Yes</u>	Yes	No	<u>Yes</u>	Yes	No	Yes				
Emergency Action Plans	1910.38	<u>Yes</u>	Yes	Yes		Yes	No	Yes				
	1910.28-30,											
Fall Protection	<u>140</u>	<u>Yes</u>	Yes	No	<u>Yes</u>	Yes	No	Yes				
Fire Extinguishers	1910.157	No	<u>Yes</u>	No	<u>Yes</u>	Yes	Yes	No				
Fire Protection Equipment Maintenance	Subpart L	<u>Yes</u>	Yes	No	Yes	Yes	No	No				
First Aid	<u>1910.151</u>	No	No	No	Yes	Yes	Yes??	No				
Flammable & Combustible Liquids	1910.106	No	Yes	No	<u>Yes</u>	Yes	No	No				
Housekeeping	<u>1910.141</u>	No	No	No	No	No	No	No				
Hand Tool Safety	1910.242	No	Yes	No	Yes	Yes	No	No				
Hazard Communication	1910.1200	<u>Yes</u>	Yes	Yes		Yes	No	Yes				
Hazardous Waste Operations	1910.120	<u>Yes</u>	Yes	No	Yes	Yes	Yes	No				
Hearing Conservation	<u>1910.95</u>	Yes*	Yes	No	<u>Yes</u>	Yes	Yes	No				
Hot Work (Welding, Cutting, Brazing)	1910.252-255	<u>Yes</u>	<u>Yes</u>	No	<u>Yes</u>	Yes	No	No				
Industrial Hygiene	1910.1000	<u>Yes</u>	Yes	No	Yes	Yes	Yes	Yes				

 $\neg \Gamma$

T

П

Incident management

Training

Audits / inspections

SDS library

Sustainability

Permit / reporting tracking

EHS Management Software

Continuous Improvement Projects



Taggle Tree on Galvanizing Line

- Designed to automate the process of shutting down the line in the event of a tangle or caught in
- ☐ Innovative use of simpler technology
- ☐ Zero injuries since implementation
- ☐ Savings of \$100k-plus through internal team



Seggett & Platt.

pH Monitoring Technology in Wastewater Treatment

- ☐ Real time monitoring and data collection
- ☐ Email and text notifications of upset conditions prior to permit exceedance
- ☐ Historical performance and the possibility of chemical reduction through more accurate application





Question and Discussions

THANK YOU!