

PROVPSM PERSPECTIVES

Provenance Consulting

Monthly Company Newsletter

May 2019

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UPCOMING EVENTS

JUN 2019

S	M	T	W	R	F	S
2	3	4	5	6	7	8
9	10	11 Downstream Conference (Houston)	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	1	2	3	4	5	6

11-12 - Downstream Conference (Houston)
TBD - Borger Summer Picnic (Location TBD)
TBD - Houston Summer Picnic (Location TBD)

***Please read the [HR note on page 5](#) regarding the new Summer Picnic arrangements.*

PROVPSM PERSPECTIVES

SPRING CONFERENCE REVIEW



JAN 28-31, 2019 - GALVESTON

HIGHLIGHTS:

- Significant HTHA research and technology advancements
- We distributed our new [MI Services brochure](#)
- Information Technology is widely accepted as a pillar of good MI programs



MAR 31 - APR 3, 2019 - NEW ORLEANS

HIGHLIGHTS:

- Justin Phillips presented on "*Relief Systems Anonymous: Answers to Questions You Don't Want to Ask*"
- We sponsored a bar for the Networking Happy Hour & distributed NOLA "Survival Kits" & orange Mardi Gras beads - it was a hit!



APR 15, 2019 - SAN ANTONIO

HIGHLIGHTS:

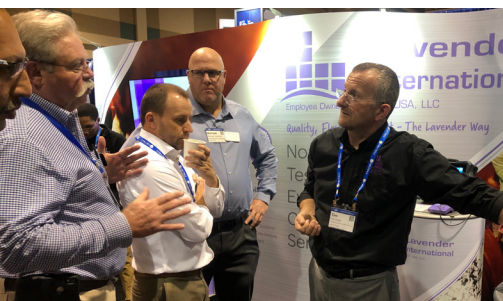
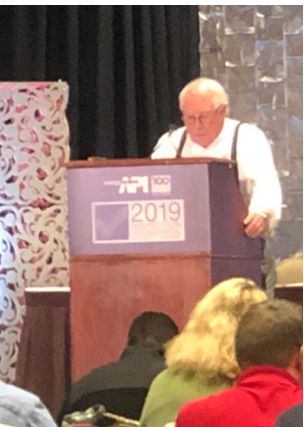
- James Topp stepped in to present Lauren Mercer's paper on "*Jurisdictional Boundaries in Midstream*".
- The topic created buzz around PSM vs. PHMSA, and many attendees grabbed the [handout](#) we provided.



MAY 24-25, 2019 - GRAPEVINE

HIGHLIGHTS:

- Several of our [clients received Safety Awards](#).
- Important [implications from the Wynnewood Refinery ruling](#) were shared.
- OSHA's 2018 PSM NEP results indicate that a majority of citations focus on RAGAGEP issues in MI and PSI.



MAY 2019

PROVENANCE GIVING BACK

Girl Day at UT Austin (Feb. 23)

A Provenance team of UT Austin alumni helped more than 600 students make Galaxies in a Bottle, demonstrating the concept of density to girls from kindergarten through middle school.

Our team included **Susheela Nayak, Anika Rahman, Quyen Nguyen, Matt Leos, Kenneth Long** and **Heather Feimster**.

The Panhandle

chapter of Children's Miracle

Network held their annual

fund drive, and a group of

Provenance employees manned the

phones from 6 -7 p.m. They worked hard to raise some much-needed funds for the kids in our community - every penny stays local!

At the end of the night, the amount raised by the Mediathon totaled \$175,600!



at UT Austin

Introduce a Girl to Engineering Day & the Girl Day STEM Festival

More than 8,000

students attended the event!

We can't wait to return next year!

United Way "Day of Caring" (Apr. 27)

This year, Provenance assisted in volunteering at two houses.

We mowed, cleaned up, and had lots of little hands for weed eaters!

Employees that participated included **Dalton Dillard, Garry Preston, David Cruz** and family (wife Lawanna, kids Aries and Ada), and **Jamie Breedlove** and kids (Kinlee and Lila).

This year,

Provenance

sponsored the annual

McKetta's Picnic put on by

the AIChE student chapter at

UT Austin. Employee's **James Topp** and **Jamie Breedlove** enjoyed some good food from Rubys. Students participated in fun games and James Topp got to show off impressive Disc skills!

OUR MISSION:
WE STEWARD OUR EARNINGS FOR THE BENEFIT OF OUR EMPLOYEES, THE COMMUNITIES THEY LIVE IN, & OUR CLIENTS' COMMUNITIES.

Annual McKetta's Picnic (Apr 20)

Texas AIChE

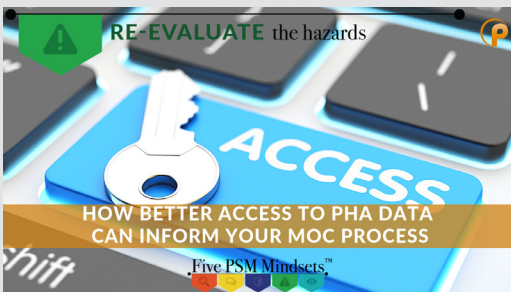


PROVPSM PERSPECTIVES

DEEPEN YOUR PSM MINDSET

Five PSM Mindsets™


Read all articles in our **Mindset Series**:



HOW TO PROTECT YOUR SHIP FROM PROCESS SAFETY HAZARDS

In Star Trek, the ship is protected by a force field called a “shield”. When under attack, the tactical officer will call out the status of the shield’s integrity, e.g. “shields at 70%, Captain.” When shields are down to 10%, you know that a breach is imminent unless they retreat or find a way to defeat their attacker.

In a refinery or chemical plant, there is no one calling out the integrity of our protection systems and procedures every few minutes.

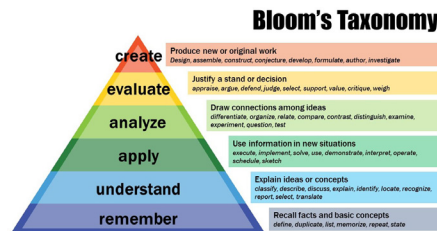
But OSHA has specified three specific process safety elements that are critical to Protect Against the Hazards (one of the Five PSM Mindsets™) – Pre-Startup Safety Reviews, Mechanical Integrity, and Hot Work Permits... 



[READ MORE](#)


HOW BETTER ACCESS TO PHA DATA CAN INFORM YOUR MOC PROCESS

In Bloom’s Taxonomy, “evaluation” is the fifth of six levels. Learners progress from remembering, to understanding, to applying, analyzing and then evaluating and finally creating.



One of the most important “evaluating” exercises in Process Safety Management (PSM) is the Process Hazard Analysis (PHA).

In a PHA, a group of people with expertise in the process (operators, engineers, etc.) gather to look at all the equipment and chemistry and technology involved.

They detail out each possible hazard, cause, consequence and safeguard. They review the risks, make recommendations, and put all of this information into a report... 



[READ MORE](#)

HR NEWS & ANNOUNCEMENTS



OUT WITH SKYPE; IN WITH TEAMS

As of April 30th, Microsoft is doing away with Skype and replacing it with the Microsoft Teams App. Teams has the same capability as Skype and more. Please download the app and get familiar with it.

The link for the download is here: <https://teams.microsoft.com/downloads>. This link will work for all mobile devices, Windows PCs, and Macs. Windows should not require the admin password, but the users with Macs will need to authorize the download. Devices such as iPhone, iPad, laptop, and desktop will all sync and stay up to date.

[Click here](#) to access a great resource for getting started with Teams. If you are interested in creating a Team for your department or group, please follow-up with me to get that created. 🍌 (Jamie Breedlove)



IMPORTANT SUMMER PICNIC CHANGES

This year Provenance is making changes to the Annual Provenance Celebration. **We will be scheduling two picnics, one located in Houston and one located in Borger.** Each employee will be invited to attend the event in their work location or department.

We hope you all have the opportunity to attend and celebrate Provenance's 13th Anniversary!

Please stay tuned for further information regarding dates and locations in your area. 🍌 (Jamie Breedlove)

WORKIVERSARIES

EMPLOYEE	START	YRS
Scott Kindy	Jun 26	11
Trey Dewey	Mar 23	10
Lauren Mercer	May 26	10
Susheela Nayak	Jul 15	6
Kelley VanLoon	Apr 1	6
Vipin Vijayakumaran	Jun 24	6
Christina Athey	Mar 17	5
Edward Guillen	Jun 30	5
Dylan Misslin	May 27	5
Aniqa Rahman	May 5	5
Kaci Walden	Jun 2	5
Patrick Fisher	Jul 6	4
James Topp	Jun 4	4
Haley Calder	Apr 28	3
Dalton Dillard	Apr 11	3
Austin Guillen	Jun 19	2
Kari Hernandez	Jun 4	1
Simin Huang	May 29	1
Breck Nash	Jun 11	1
Jason Pina	May 30	1

Partner Webinar Kicks Off PHA Focus

On March 27, 2019, Managing Partner Patrick Nonhof presented a webinar hosted by the AIChE Academy.

Titled "[Can PHA be Big Data? How to Make PHA Data Work Smarter](#)", this webinar kicked off a new focus for Provenance as we prepare to launch PHA Central™, our newest software solution (stay tuned for more information!).

The webinar has led to several meetings with major owner/operators who are interested in taking advantage of the concepts we've brought to light.

In addition, Rolls Royce - the owners of Visium KMS systems - invited Patrick to present this same topic to their annual User Conference in Houston in early May. It was an opportunity to speak to a group of about 45 owner/operator representatives who use KMS. As the only outside vendor asked to speak at the conference, this endorsement by a company like Rolls Royce created a great opportunity for us to get a foot in the door with some important potential clients.

We highly recommend that everyone take an hour to watch the webinar to get a better understanding of the vision

Provenance has for the future use of PHA data.

This webinar provides a practical approach to better utilize the vast amount of data developed in a typical process hazard analysis (PHA) in order to reduce inconsistencies and provide better decision support for risk mitigation.

Strategies for developing a consistent PHA structure through standardized data taxonomy and categorization are presented, as well as the analytical benefits to be realized once the data is consistent.

The beginning of this presentation focuses on how the PHA process fits into the context of the "Big Data" trend. Where does PHA fit into the realm of "Big Data?" This connection is examined briefly.

In order to make PHA data work smarter, it must be structured purposefully. Strategies for creating meaningful PHA metrics and analysis are shared. These improved metrics will allow access to decision support that no one has used before.



PATRICK NONHOF
Managing Partner

Nonhof then expounds on the potential to facilitate improved decision-making based on these metrics across units within a single facility as well as across a company.

Finally, the future possibilities for PHA data is explored. Nonhof theorizes on how facilities' actions toward creating consistent, accessible, usable data today will lead to a new way management views and uses PHA data in the future. ●

