

# International Association of Drilling Contractors



**HSE&T Committee Meeting**  
IADC – Houston Office – Crown 1  
August 29, 2023  
Hybrid Meeting  
9am – 12pm

## Attendance

*V = Virtual attendance, IP = In-Person attendance*

*In-Person Sign-in sheet [attached](#).*

In-Person Attendees					
Name	Company	A	Name	Company	A
Brooke Polk	IADC	IP	Olaf Martinez	IADC	IP
Marcelo Azeredo	Transocean	IP	Kristin Ward	IADC	IP
Ryan Smallwood	Patterson-UTI	IP	James Penny	Transocean	IP
Josh Muniga	H&P	IP	Fidel “Vito” Garcia	RelyOn Nutec	IP
Ryan D’Aunoy	Precision Drilling	IP	Shane Phipps	Wilbanks	IP
Julia Fitzgerald	API	IP	Jason Jensen	Ensign	IP
Bill Boarder	PSI	IP	Bill Krull	IADC	IP
James Taylor	Noble	IP	Mike Truitt	ICD	IP
Derek Hubbard	Seadrill	IP	Thad Dunham	IADC	IP
Jim Rocco	IADC	IP			
Zoom Attendees					
Name	Company	A	Name	Company	A
Matt Frederick	Pruitt	V	Alex Maroske	Energy Drilling	V
Ricky Banks	Noble	V	Ashok		V
Richard Grayson	Nabors	V			

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# International Association of Drilling Contractors

## Agenda

<b>9:00 – 9:05</b>	<b>Welcome, IADC Antitrust Policy, and Agenda Overview</b> <i>James Penny, Transocean</i> <i>Brooke Polk, IADC</i> <i>Ryan Smallwood, Patterson-UTI Drilling</i>
<b>9:05 – 9:20</b>	<b>Safety Moment(s)</b>  <i>Heat Stroke Awareness</i> - Presented by James Penny (Transocean) Please use proper PPE to protect yourself from this extreme weather. We have set records this year with multiple weeks in the 3-digits this year. Please be responsible this holiday weekend, especially if you are barbecuing.  <i>Situation Awareness</i> - Presented by Fidel “Vito” Garcia (RelyOn Nutec) Vito shared an experience where him and his wife went camping in their RV. They had a situation where they were exiting a camp ground, and just before leaving, they noticed a little girl playing across the front of the RV. She was so small, in fact if it was not for the front end cameras on their RV, they would not have seen the little girl. Just a reminder to be aware of your surrounding when backing up, or driving a vehicle, listen to any sounds and use caution.  <i>Fire Drill Procedure at IADC</i> - Presented by Bill Krull (IADC) Bill informed attendees that we were not scheduled to have a fire drill today but, in case of an alarm, everyone should muster by one of the stairwells.
<b>9:20 – 9:50</b>	<b>HSET Committee Focus Areas-High Pressure Risks and Revamp of IADC Safety Alerts</b> <i>Presented by Ryan Smallwood – Patterson-UTI Drilling Company, LLC</i>  <u>Call to Action:</u> Safety Alert Subcommittee – Call for Participation. <u>Call to Action:</u> Risk Assessment on Facilities Pressures.  Have not received feedback on the initial request for Volunteers. Please reach out to Ryan Smallwood, James Penny, Brooke Polk, or Thad Dunham if interested in volunteering for either of these Call to Actions.  Bill Krull, IADC: Why are there not more safety alerts submitted? Only received 3 this year, and there have been 8 fatalities. Maybe we need to have an official process for submitting. Are the quarterly trend reports helping?  Thad Dunham, IADC: What keeps you from submitting a safety alert? What is needed in a safety alert?

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	<p><u>Feedback from group:</u> Is there a form to fill out? From an outsider's view, it might be intimidating because you are just sending an email. (Ricky Banks, Noble)</p> <p>I can help look into this, I can volunteer (Julia Fitzgerald, API)</p> <p><u>End Goal:</u> At the end of the day, we want everyone to have a better understanding of what risk is, currently the understanding is very minimal. (Ryan Smallwood, Patterson-UTI)</p>
<b>9:50 – 9:58</b>	<p><b>IADC Response to OSHA on Leading Indicators</b> <i>Thad Dunham, IADC</i> <i>Ryan D'Aunoy, Precision Drilling</i></p> <p>May 11<sup>th</sup>, 2023 To allow companies to comment on; The end goal is for the Dashboard on website to display indicators. Currently there is a resource area on OSHA's website that displays leading indicators. (A recordable incident rate does not tell you a lot). We will try to focus on a message around existing bias toward leading indicators.</p> <p>We should suggest Standardizing terms (for example, lagging vs. leading, what does that look like). Another challenge is that the content is constantly changing. (What should we be looking at?)</p>
<b>9:58 – 10:12</b>	<b>BREAK</b>
<b>10:12 – 10:24</b>	<p><b>Summer Rig Moves-Trends, Hazards, and Mitigations</b> <i>Presented by Shane Phipps, Wilbanks</i></p> <p>Shane presented a Power Point Presentation of all the Hazards, Trends, and Mitigations during Summer rig moves. The presentation is attached <a href="#">below</a>.</p>
<b>10:24 – 10:55</b>	<p><b>Heat and Best Practice Presentation and Discussion</b> <i>Presented by Josh Muniga, HSE Specialist, H&amp;P</i></p> <p>Presentation is attached <a href="#">below</a>.</p> <p>ISP Reporting Guidelines Discussion- IV fluids for heat stress First Aid Treatment or Medical Treatment?</p> <p><u>Known indicators:</u> I'm cramping-up I need a break</p> <p>We ask that supervisors ask questions, for example, "What did you do on your days off, during the weekend?"</p> <p>Stray away from energy drinks. Try Brain Water (powder) instead.</p>

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10:55 – 11:40	<p><b>IADC Updates</b>  <i>Bill Krull – ISP Updates</i>  <i>Thad Dunham – Onshore Regulatory Updates</i>  <i>Brooke Polk – Accreditation Updates</i>  <i>Jim Rocco – Offshore Regulatory Updates</i></p> <hr/> <p><b><u>Bill Krull</u></b></p> <ul style="list-style-type: none"> <li>-Launched January 15<sup>th</sup>, 2023</li> <li>-90% complete</li> <li>-Companies on this committee have representatives for ISP</li> <li>-Dashboard &amp; front-end items completed</li> <li>-Participants have access to all reports</li> <li>-Different Levels of Users</li> <li>-SIF can be captured</li> </ul> <p><b><u>Next steps →</u></b>  13 September 2023 – stop using MS solution.  15 September 2023 - API meeting on ISP.  16 October → 31 December 2023 – Use App in Beta Mode (IADC)  02 January 2024 – Go live date.</p> <p><b><u>Feedback from group:</u></b>  We need an action item to define “SIF”</p>
	<p><b><u>Brooke Polk</u></b></p> <p><b><u>H<sub>2</sub>S Safe</u></b></p> <ul style="list-style-type: none"> <li>-Our H<sub>2</sub>S Safe program has officially launched.</li> <li>-We currently have about 10-12 intent to apply applicants in queue</li> </ul> <p><b><u>Next Steps:</u></b>  -Do we want to develop an H<sub>2</sub>S Safe-to-Go?</p> <p><b><u>Group Reply:</u></b>  Let’s table that discussion and revisit this in February 2024.</p> <ul style="list-style-type: none"> <li>-We have implemented 1 change for the H<sub>2</sub>S Safe program. IADC is recommending that you all follow your region’s practice for recertification (for example (1 year for OSHA, 1 year for ANSI, 3 years for Canada).</li> </ul> <p><b><u>Managed Pressure Drilling (MPD)</u></b></p> <ul style="list-style-type: none"> <li>-Our ETA for our MPD program is October 2023.</li> <li>-We are currently drafting the final documents needed to launch</li> <li>-Online Assessments are ready (with 250+ questions available)</li> </ul> <p><b><u>Subsea Competency Assessment (SCA) Program</u></b></p> <ul style="list-style-type: none"> <li>-Our SCA program is currently being revamped</li> <li>-Question updates (live)</li> </ul> <p><b><u>Phase II:</u></b>  -Create study guide materials and documents</p> <p><b><u>WellSharp (WSP) Simulator Modulator Change</u></b></p> <ul style="list-style-type: none"> <li>-We are taking a holistic approach</li> <li>-Comment period ends September 1st</li> <li>-Goes to Panel for approval on September 6<sup>th</sup></li> </ul>

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	<p><b><u>Well Servicing Group</u></b> -Currently working on the Subsea portion of the curriculum</p> <p><b><u>IOGP Groups</u></b> -IADC is currently working with IOGP and looking at our Driller and Supervisor level Well Control Standards and aligning it with some of their 476 and 668 Standards.</p> <hr/> <p><b><u>Thad Dunham</u></b> On October 20<sup>th</sup>, 2023, IADC will have a 3-Gun Shooting Competition (Pistol, Rifle, Shotgun). It will be timed and competitive. The money raised will be used for our Driller's PAC. We are also splitting the money with Camp Hope, which provides care and services to homeless veterans. If you or anyone you know is interested, please contact me.</p> <hr/> <p><b><u>Jim Rocco</u></b> Jim shared a diagram on the screen with the group (mainly illustrating the Gulf of Mexico).</p> <p>The NTL has recommendations on how to operate around oil vessels. How to report activity, and what to report (on Rice's Whales). We believe there are 51 Whales.</p> <p><b><u>Coast Guard:</u></b> The US Coast Guard is currently looking to update reporting. Specifically stated in Notice 46 → OCS Reporting. There is also a supplemental Notice 33.</p> <p><b><u>BSSE:</u></b> WC Rule came out last Tuesday: Financial GOM Assurance Rule</p> <ul style="list-style-type: none"> <li>-Increasing the threshold requirement (decommissioning)</li> <li>-This will place a higher financial burden on smaller companies that want to drill in the GOM</li> <li>-This will limit the number of operators significantly</li> </ul>
<p><b>11:40 – 11:46</b></p>	<p><b>Any Other Business for HSE&amp;T</b> <i>Ryan Smallwood – Patterson</i></p> <p><b>Generic Call to Action:</b> We want to be a committee of action, not just a committee that meets quarterly for free food. If you have any thoughts on topics that would be of value added, please bring it up with either Ryan Smallwood or James Penny.</p> <p>Does anyone want to bring back a contractor only portion of this meeting? For those interested please meet back here at 12:30pm.</p>
<p><b>11:47am</b></p>	<p><b>Adjournment</b></p>

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## Action Items

Action No.	Action	Responsible	Action Due Date
1	Post meeting minutes on IADC committee website	IADC	18SEP2023
2	Provide an official definition to put on IADC's lexicon page for "SIF"	HSE&T Leads	31DEC2023
3			
4			
5			
6			

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## HSE&T Committee Meeting

29 August 2023

IADC Office

9am - 12:00pm

### Sign in Sheet

Name	Company	E-mail address
Ola Martinez	IADC	ola.martinez@iadc.org
Josh Muniga	HHP	josh.muniga@hpinco.com
Fidel "Vito" Garcia	Rely On Nutek	fgarcia@us.relyonnutec.com
Ryan Daunoy	Precision Drilling	rdaunoy@precisiondrilling.com
Shane Phipps	Wilbanks	sphipp@wilbanks.us
Julia Fitzgerald	API/COS	fitzgeraldj@api.org
Ryan Smallwood	PTEN	ryan.smallwood@ptenergy.com
MARCELO AZEREDO	TRANS OCEAN	MARCELO.AZEREDO@DIERDORFER.COM
Jason Jensen	Ensign	jason.jensen@ensignenergy.com
Bill Boarder	PSIS	bboarder@pharmasafe.com
Brook Falk	IADC	
Bill Krull	IADC	
James Taylor	Noble	Jamtaylor@noblecorp.com
Mike Truitt	ICD	truitt@icdrilling.com
Derek Hubbard	Seedrill	derek.hubbard@seedrill.com
Kristin Ward	IADC	kristin.ward@iadc.org
Thad Durham	IADC	Thad.Durham@IADC.org
Jim Rocco	IADC	jim.rocco@iadc.org

# IADC HSET Committee

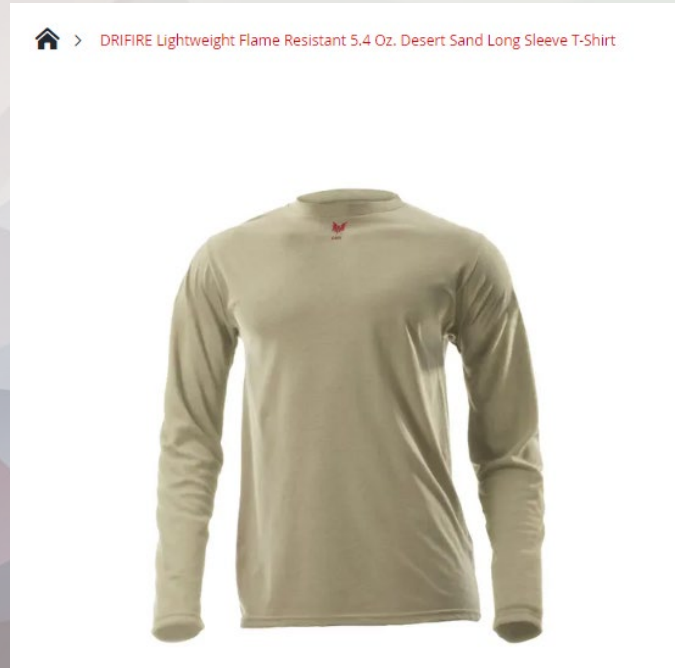
## Rig Move Subcommittee Update



# 2023

## Heat Awareness Initiatives

- Lighter weight shirts



# 2023

## Heat Awareness Initiatives

- Pre-Move Calls / Cooling trailers



# 2023

## Heat Awareness Initiatives

- WATER / WATER / WATER





# Heat Awareness Initiatives

- Heat Prevention PPE Fastenal Vending Machine



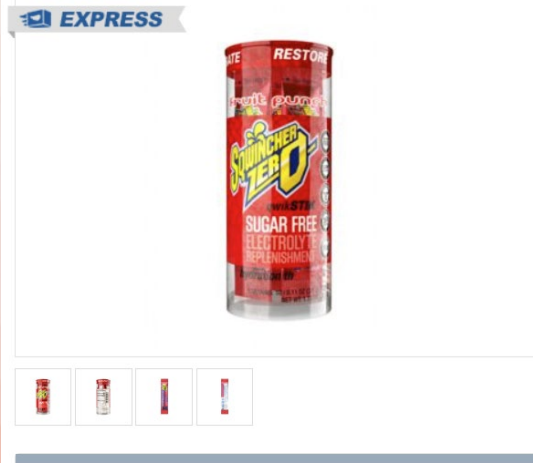
# Heat Awareness Initiatives

- Heat Prevention PPE Fastenal Vending Machine



**StarsandStripes Tied Chill-Its® 6700CT Evaporative Cooling Bandana w/ Cooling Towel Liner**

Fastenal Part No. (SKU)	1045442
Manufacturer Part No.	12561
UNSPSC	46181518
Manufacturer	ERGODYNE
Brand	Chill-Its®



**0.11 oz Packet 20 oz Yield Fruit Punch Sugar Free Powder Concentrate Electrolyte Replacement Sports Drink**

Fastenal Part No. (SKU)	1046232
Manufacturer Part No.	060115-FP
UNSPSC	50202311
Manufacturer	SQWINCHER®












**One Size Fits Most Lime / Yellow Polyester Evaporative Neck Shade**

Fastenal Part No. (SKU)	1304072
Manufacturer Part No.	396-EZ810
UNSPSC	46181706
Manufacturer	PROTECTIVE INDUSTRIAL PRODUCTS
Brand	EZ-Cool®

June ▾ 2023 ▾						DAILY →
S	M	T	W	T	F	S
28	29	30	31	1	2	3
87° 56°	93° 55°	97° 58°	94° 67°	93° 65°	94° 63°	89° 57°
4	5	6	7	8	9	10
86° 56°	84° 63°	87° 64°	93° 64°	95° 62°	96° 57°	98° 66°
11	12	13	14	15	16	17
100° 63°	97° 67°	98° 57°	100° 59°	100° 67°	104° 71°	102° 72°
18	19	20	21	22	23	24
104° 70°	106° 78°	107° 78°	109° 74°	107° 73°	108° 70°	110° 75°
25	26	27	28	29	30	1
107° 67°	108° 71°	109° 79°	106° 76°	105° 73°	96° 77°	98° 69°



July ~ 2023 ~						DAILY →
S	M	T	W	T	F	S
25	26	27	28	29	30	1
107° 67°	108° 71°	109° 79°	106° 76°	105° 73°	96° 77°	98° 69°
2	3	4	5	6	7	8
96° 66°	95° 68°	97° 66°	101° 73°	98° 73°	103° 75°	101° 75°
9	10	11	12	13	14	15
105° 79°	101° 76°	107° 76°	107° 77°	105° 79°	107° 78°	99° 75°
16	17	18	19	20	21	22
101° 70°	104° 74°	109° 68°	110° 72°	103° 74°	102° 72°	96° 75°
23	24	25	26	27	28	29
100° 73°	103° 71°	102° 74°	102° 74°	100° 70°	99° 67°	98° 71°
30	31	1	2	3	4	5
96° 68°	98° 71°	100° 73°	100° 71°	101° 72°	105° 73°	106° 74°

August ▾ 2023 ▾						DAILY →
S	M	T	W	T	F	S
30	31	1	2	3	4	5
96° 68°	98° 71°	100° 73°	100° 71°	101° 72°	105° 73°	106° 74°
6	7	8	9	10	11	12
107° 72°	104° 71°	102° 71°	104° 71°	103° 74°	104° 81°	103° 82°
13	14	15	16	17	18	19
100° 74°	90° 73°	93° 72°	100° 72°	104° 73°	102° 70°	99° 66°
20	21	22	23	24	25	26
						
98° 64°	98° 68°	94° 69°	83° 69°	91° 68°	93° 64°	96° 68°
27	28	29	30	31	1	2
						
97° 72°	90° 66°	87° 64°	89° 67°	93° 66°	94° 69°	97° 70°

# 1 Person can change the world

Admiral McRaven Speech at U of TX Austin 2014



# Lou Holtz



Remember. Every day, some ordinary person  
does something extraordinary.

**Today, it's your turn.**

— Lou Holtz —

AZ QUOTES

# Thank You



# Heat Stress At Work

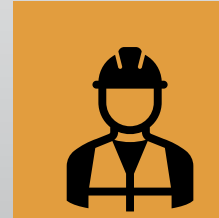




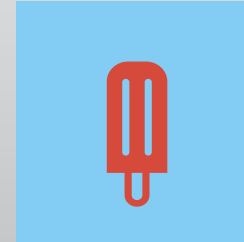
# Approach to Heat Stress Prevention



- \*Set up a wellness program.
- \*Educate how to pro-actively ensure employee health is not affected.



- \*Identify employees at risk.
- \*Train on using PPE correctly.
- \*Make employees aware of resources that are available.



- \*Identify preventive measures that need to be taken before going to work in the heat.

# Educate Your Team

- Stress the importance of wearing PPE even in hot weather. Wear the required PPE with added heat stress prevention features, for example, use vented helmets instead of plain ones, get cooling towels, wraps, and vests, neck shades to cool down.
- Educate on the life-threatening symptoms to watch out for: hot, dry skin or profuse sweating, high body temperature, confusion, altered mental status, slurred speech, and seizures.

# Educate Your Team

**High Temperature + High Humidity + Physical Work = Heat Illness**

When the body is unable to cool itself through sweating, **serious heat illnesses may occur**. The most severe heat induced illnesses are **heat exhaustion** and **heat stroke**. If actions are not taken to treat heat exhaustion, the illness could progress to heat stroke and possible **death**.

## **Heat Exhaustion**

**What Happens to the Body:** Headaches, dizziness/light headedness, weakness, mood changes (irritable, or confused/can't think straight), feeling sick to your stomach, vomiting/throwing up, decreased and dark colored urine, fainting/passing out, and pale clammy skin. **If heat exhaustion is not treated, the illness may advance to heat stroke.**

# What Should Be Done

- Move the person to a cool shaded area to rest. Don't leave the person alone. If the person is dizzy or lightheaded, position him on his back and raise his legs about 6-8 inches. If he is sick to his stomach lay him on his side.
- Loosen and remove any heavy clothing.
- Have the person drink cool water (a small cup every 15 minutes) if he is not feeling sick to his stomach.
- Try to cool the person by fanning him. Cool the skin with a cool spray mist of water or wet cloth.
- If the person does not feel better in a few minutes, call for emergency medical help.

# Educate Your Team

## **Heat Stroke—A Medical Emergency**

**What Happens to the Body:** Dry pale skin (no sweating), hot red skin (looks like a sunburn), mood changes (irritable, confused/not making any sense), seizures/fits, and collapsed/passed out (will not respond).

# What Should Be Done

- Call for emergency help.
- Move the person to a cool shaded area. Don't leave the person alone. Position him on his back and if he is having seizures/fits, remove objects close to him to avoid further injury. If the person is sick to his stomach lay him on his side.
- Remove any heavy and outer clothing.
- Have the person drink cool water (a small cup every 15 minutes) if he is alert enough to drink anything and is not feeling sick to his stomach.
- Try to cool the person with fanning. Cool the skin with a cool spray mist of water, wet cloth, or wet sheet.
- If ice is available, place ice packs under the armpits and groin area.



# How To Protect Yourself



- Learn the signs and symptoms of heat-induced illnesses and what to do.
- Perform the heaviest work in the coolest part of the day.
- Slowly build up tolerance to the heat and the work activity (usually takes up to 2 weeks).
- Use the buddy system (work in pairs).
- Drink plenty of cool water (one small cup every 15-20 minutes).
- Wear light, loose-fitting, breathable (like cotton) clothing.
- Take frequent short breaks in cool shaded areas (allow your body to cool down).
- Avoid eating large meals before working in hot environments.
- Avoid caffeine and alcoholic beverages (these beverages make the body lose water and increase the risk for heat illnesses).

# Workers at Increased Risk

Employees that:

- Take certain medications. Check with your doctor.
- Have had a heat-induced illness in the past.
- Use alcohol excessively.
- Wear personal protective equipment (like respirators or suits).

# OSHA Resources







## Prevent Heat Illness at Work



**Ease into Work.** Nearly 3 out of 4 fatalities from heat illness happen during the first week of work.

Build a tolerance to heat by increasing intensity by 20% each day.

					
Drink cool water even if you are not thirsty	Rest for long enough to recover from the heat	Take breaks in a shady or cool area	Wear a hat and dress for the heat	Watch out for each other	Verbally check on workers wearing face coverings

# Reference Information

- <https://iadc.org/safety-meeting-topics/high-temperature-high-humidity-physical-work-heat-illness/>
- <https://www.osha.gov/heat>
- Article published by PK Safety blog, March 31, 2017.