



**Drillsafe**

## HSE/SQ

# LESSONS LEARNED BULLETIN

## Heat Stress

Date 20 Feb 2020

### What Happened?

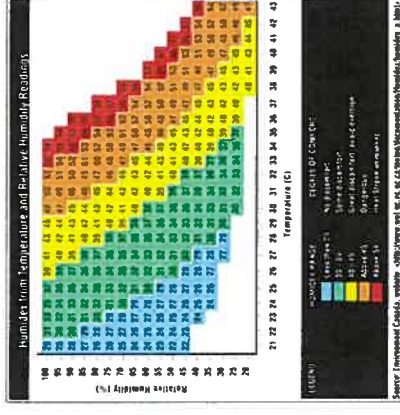
IP presented to camp cook and manager complaining of a headache and muscle cramps after the surface cement job. Due to the IP's condition IP was transported to the hospital for further assessment and treatment. The IP was diagnosed as having suffered heat stress and placed on an IV drip over night.

### Why did it Happen?

- The Equiv Temp, Job Activity and IP's fit for Duty were not addressed sufficiently in job planning.
- JSA did not adequately cover Heat Stress Prevention
- IP Failed to recognize and act on warning signs that could lead to Heat Stress (IP had completed Heat Stress Training)
- No Site Specific Hydration Monitoring and Management Program was in place.

### Actions to Prevent Recurrence

- Update Heat Stress Management program with mandatory Wellsite Controls in place between 1<sup>st</sup> Oct and 30<sup>th</sup> Apr
- Implement a Site Specific Hydration Monitoring and Heat Stress Management Program.
- Review Annual Heat Stress Training and ensure Training addresses employee awareness of equiv temp, preventative steps for Heat Stress Management, managed required break intervals and fluid intake.



## Heat Stress Training

*Mandatory Heat Stress Training Completed Annually by all employees*

- *Interactive E-Learn program to ensure effective communication on preventative steps for Heat Stress Management.*
- *Since the incident Halliburton has adopted Industry Recognized Training by Safer Together and integrated it into Halliburton's Learning Central Program.*



### Heat Stress Awareness E-Learn

Heat Stress course to build awareness about the effects of heat stress, the right to recognize and the options to take.

## Wellsite Specific Hydration and Heat Stress Monitoring Program

*Monitoring Program must be used on all Job's and is independent of JSA.*

- *Mandatory between the 1<sup>st</sup> Oct and 30<sup>th</sup> Apr*
- *Addresses Equiv Temp, Working Conditions, Expected Job Length, Employee Fit For Duty and Prior Activities, Hydration Requirements and Contingencies.*
- *Interactive discussion guide for the Team.*
- *Reviewed by Service Coordinator during Post Job review.*



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Legal Review Performed by: Tat Meng Lui

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