



the Ursa Major Facts

May 9, 2014
DAY 15

SAFETY FOCUS: RISK TOLERANCE UNNECESSARY RISK & THE HUMAN FACTOR

Why do well-trained and safety-conscious workers have incidents? All too often a worker's "human" tendencies can contradict the job requirements. That is according to a recent report by a British oil and gas exploration association. They studied numerous incidents and found that despite best intentions of both the workers and companies, incidents occurred because of "human factors" like these four examples:

#1. Overestimating capability

A worker on a drilling platform accidentally entered an area where he was exposed to an overhead hazard – another worker had a raised section of drill pipe held in place with a manual brake. To warn the worker to get out of the area, the operator had to use his left knee to open the microphone, his right foot to operate the brake, and both hands to work the controls and maneuver the pipe. While talking, he eased up on the brake and the pipe section crashed down, barely missing his coworker. **Human factors:** The operator overestimated his capability to operate the brake.

#2. Familiarity with the task can lead to complacency

A veteran electrician was isolating one of two gas turbines. He correctly identified all the isolation points and began the job. A few minutes later, he heard his name called over the PA system, asking him to go to the kitchen. When he ignored the call it was made again, stressing that it was urgent. When the electrician went to the kitchen, a worker complained to him that the refrigerator fuse had blown. The electrician, angry at the interruption, returned to his task – and proceeded to isolate the wrong turbine. **Human factors:** The interruption broke his focus. Familiarity with the task led him to proceed without confirming he was on the correct turbine.

#3. Role Models accepting risk

A work crew received an assignment to cut redundant steel - work out of an area. During the pre - work safety briefing, the instructions were vague: "Cut all material in the area." Once at the site, they saw some taped pipe in the shape of a rectangle. They assumed they were supposed to cut out the rectangle. The crew cut into a live drain pipe. **Human factors:** The Leaders did not make the job directions clear, and assumed that the workers would know what the tape was for. The workers did not ask questions, as they assumed that they would be warned of any hazards.

#4. Complacency

A worker crossed a scaffold barrier guarding a floor opening. He wanted to run a length of plastic pipe through a section of the barricaded area a few feet from the opening. He thought that as he knew the hole was there, that he would not fall into it. He backed into the hole and was severely injured in a 35-foot fall. **Human factor:** Voluntary actions can lead to serious injury, when you don't remain focused on the job and area hazards.

SAFETY HEALTH & ENVIRONMENT

| May 9 @ 6:00 | Previous 24 Hours | Total to Date | First Aid | Record Injury |
|-----------------------|-------------------|---------------|-----------|---------------|
| URSA MAJOR | | | | |
| # Med Center Visits | 2 | 15 | | |
| # of Injuries | 0 | 6 | 4 | 2 |
| # of Incidents | 0 | 12 | | |
| # Shifts Injury Free | | 0 | | |
| # of Observations | 375 | 3571 | | |
| PLT. 8-1 COKER | | | | |
| # Med Center Visits | 0 | 2 | | |
| # of Injuries | 0 | 1 | 1 | 0 |
| # of Incidents | 0 | 2 | | |

QUOTE OF THE DAY

For safety's sake we must all take a stand. Not just the leader - it's in everyone's hands.



| | | | | | | | |
|---|---|---|--|---|---|---|---|
| | 3 | 1 | | 8 | | 7 | 2 |
| | 5 | | | 1 | 2 | | 3 |
| 9 | | | | | | | |
| | 7 | | | 6 | 2 | | 5 |
| 5 | | | | | | | 9 |
| 4 | | | | | 3 | | 7 |
| | | | | | | | 8 |
| 3 | | | | 8 | 4 | | 2 |
| 7 | | 8 | | 6 | | 5 | 4 |

Fort McMurray

Current Weather

Overcast
5°C
Feels like 3

Fri. Evening
Cloudy with showers

5°C
Feels like 2

Fri. Overnight
Variable cloudiness

-2°C
Feels like -6

Sat. Morning
Wet flurries

0°C
Feels like -5

Sat. Afternoon
Mixed precip.

4°C
Feels like 0

WEDNESDAY'S CRISS-CROSS SOLUTION

ACROSS: 2.Tools 4.Gaskets 6.Bolts DOWN: 1. Clamps

3.Hardhats 5.Tubes