



# Weekly Safety Tip

## Hazards in Emergencies



### Hazards in Emergencies



#### Identify Hazards Associated with Emergencies and Non-routine Situations

Plans and procedures need to be developed to respond to hazards from emergencies and non-routine situations.

- Emergencies come with their own hazards and risks, depending on the materials, equipment, and location involved.
- Tasks that are rare or aren't routine, including maintenance and startup/shutdown activities, also present potential hazards.

#### To-Do's

- Identify emergencies that could affect your workplace.
- Identify hazards that might come up during emergency response.

#### To Identify Possible Emergencies

Consider what could disrupt your operations, cause damage, and/or threaten your workers, customers, and the public.

The emergencies can be either natural or human-caused.

Typical examples involve:

- Weather disasters (floods, hurricanes, tornadoes, etc.)
- Building or facility fires
- Toxic gas releases
- Chemical spills
- Explosions
- Sustained power outages
- Civil disturbances
- Violence
- Medical and public health emergencies (such as pandemics)



David A. Varwig, CSP-retired for

## Weekly Safety Share

### Serious Injuries & Fatalities (SIFs)

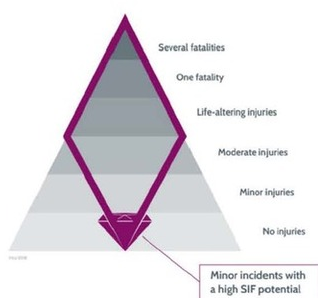


### SAFETY & HEALTH SHARE

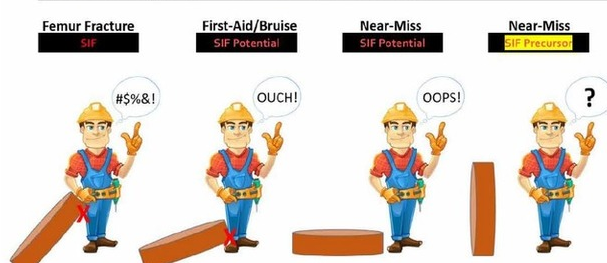


#### 5-year study of Serious Injuries & Fatalities (SIFs) reveals insights

ISN report finds utilities sector sees biggest decline; dangerous incidents increase in January



#### Understanding SIF, SIF Potential and SIF Precursor



ISN, the global leader in contractor and supplier information management, released its latest **Serious Injuries and Fatalities (SIFs)** White Paper to further its mission of promoting safer work environments for everyone.

ISN analyzed more than 94,000 recordable incidents from 2017-2021 which showed more than 20,000 SIFs cases consisting of more than 17,000 hospitalizations, 2,773 amputations and 677 fatalities.

#### Highlights from the SIFs White Paper include:

- **Leading causes of SIFs:** Across industries, the leading cause of SIFs over the past five years has consistently been **contact with an object or equipment**. 2021 shows **amputations listed as a top three SIF event**, making up 16% of all SIFs for that year, versus 13% in 2018.
- SIF rate heavily fluctuates, dropping significantly in 2021: Starting with a baseline in 2017, the SIF rate increased 12% in 2018, decreased 17% in 2019, spiked again in 2020, and sharply declined by 35% in 2021. 2021 showed a decline in both overall count and rate for the first time since ISN has been analyzing SIF data.



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