

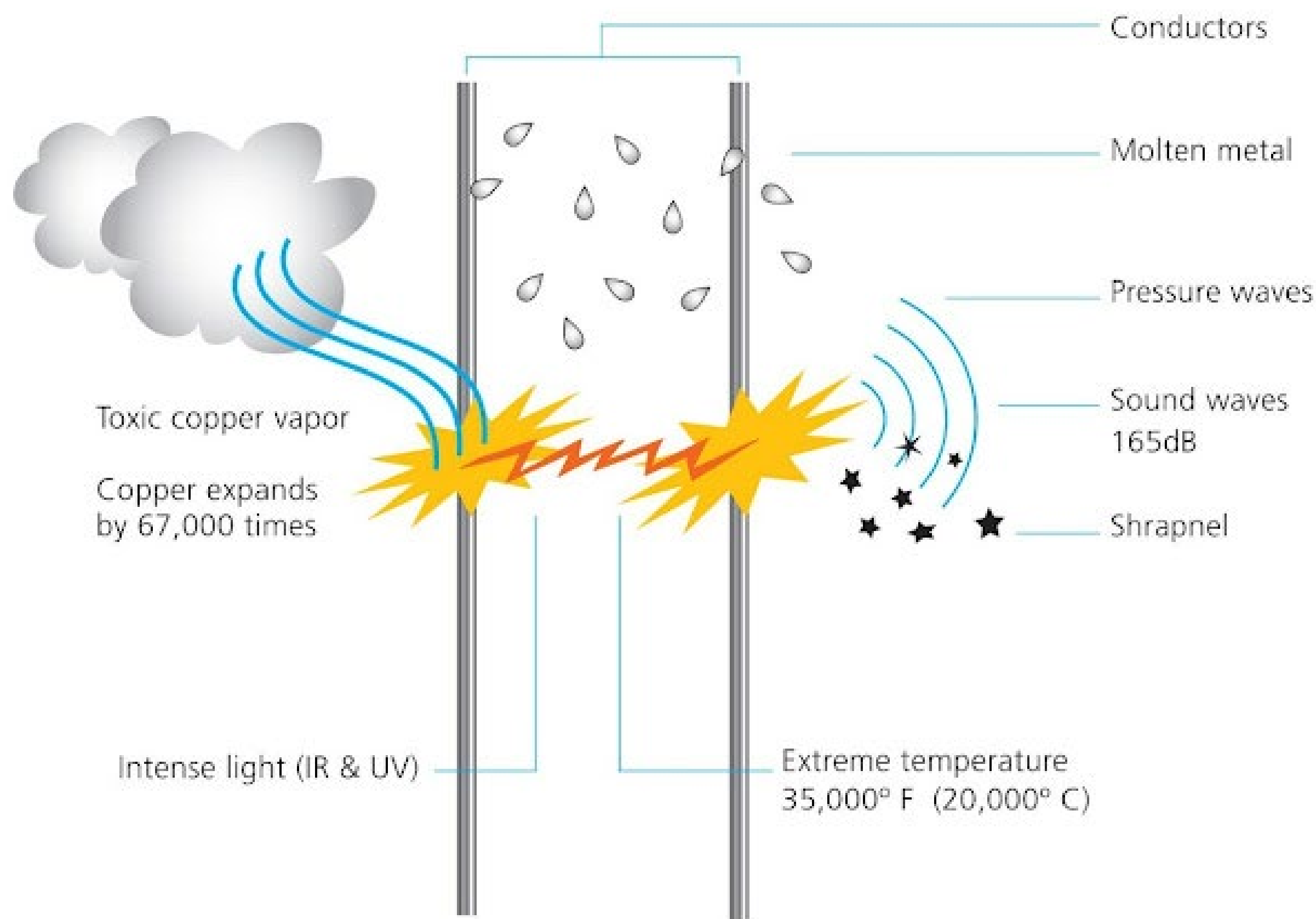
Arc Flash

Supervisor
Crew
Talk

There are only two ways that electricity can be fatal: by electric shock or arc flash.

Arc Flash

triggered by a short circuit through the air between energized conductors or between a conductor and ground.



This can happen when the insulation or isolation between conductors fails. It creates a path for electricity to flow in an uncontrolled way. The resulting arc generates intense heat, light, and pressure, and is dangerous for anybody nearby.

The 10 main causes of arc flash are:

- 1 Carelessness
- 2 Worn or broken conductor insulation
- 3 Exposed live parts
- 4 Loose wire connections
- 5 Improperly maintained switches and circuit breakers
- 6 Obstructed disconnect panels
- 7 Water or liquid near electrical equipment
- 8 High voltage cables
- 9 Static electricity
- 10 Damaged tools and equipment

Nobody has ever been injured or killed by arc flash when working on de-energized (locked out) equipment. The best way to prevent arc flash is locking out equipment before working on it.

"Safety is a core value and business priority"



West Fraser