ATTENDED Protecting Miners from

HEAT STRESS

Coal miners often work in hot environments. Learn the symptoms of heat stress and how to protect yourself and your co-workers from this hazard. Heat stress results from exposure to excessive heat, high humidity, physical exertion or a combination of these factors. Heat stress includes:

<u>Heat Stroke (Su</u> Symptoms:	Instroke) – A life-threatening condition when the body cannot adequately cool itself High body temperature (105 °F or greater) Confusion, loss of coordination, hallucinations Throbbing headache, slurred speech Hot dry skin, skin is red or mottled Seizures, coma, death
First Aid:	Call for emergency medical assistance Remove excess clothing, cool victim immediately
<u>Heat Exhaustio</u> Symptoms:	<u>n</u> – Body's reaction to the loss of water and electrolytes Extreme weakness or fatigue, irritability, dizziness Fast shallow breathing, elevated heart rate Heavy sweating, moist clammy skin, pale skin Nausea, vomiting, fainting
First Aid:	Stop exertion, rest in the shade or a cool place Drink plenty of water, sports drinks or juice Shower or sponge with cool water Seek medical attention
<u>Heat Cramps</u> - Symptoms:	Painful cramps or spasms resulting from loss of electrolytes Profuse sweating accompanying heavy exertion Victim has drunk lots of water Muscle pain or spasms in arms, legs or abdomen
First Aid:	Rest in a cool place Drink juice or performance sports beverage Do not resume heavy activity for several hours Seek medical attention if there is a history of heart problems Seek medical attention if cramps persist more than one hour

Prevention: Increase fluids intake when hot; drink 1 cup of water every 15 to 20 minutes*, take frequent cooling breaks; schedule strenuous activities for cooler time of day; work at a slower pace when hot; provide relief workers; limit time performing heavy tasks; provide fans, shade or other cooling; wear light, breathable clothing; allow workers to acclimatize to heat; monitor heat index; monitor workers that are at risk for heat stress; persons with certain health conditions should check with their physician before attempting strenuous activities