

Duty 11: Emergency or Unusual Situations

Learner will demonstrate proper procedures for handling emergency or unusual situations. Learner will also explain job steps listed, why they are conducted, any associated risk, and how to implement appropriate controls.

Job Steps	Importance Narrative (Consider Safety, Production, Maintenance)	Importance Ranking 1=Important 2= Very Important 3=Critical	Procedures/Risk Resolution/Notes/Comments
A. Account for all personnel		3	
<ul style="list-style-type: none"> • Ensure that employees know where to gather 			
B. Ensure communications		3	
<ul style="list-style-type: none"> • Notify surface personnel <ul style="list-style-type: none"> ○ Provide accurate information ○ Request assistance if needed ○ Request transportation as necessary • Provide communications (phone) at site, if possible <ul style="list-style-type: none"> ○ Maintain constant communications 			
C. Make sure that all SCSRs are gathered and available		3	
D. Assess situation		3	
<ul style="list-style-type: none"> • Don't minimize possible seriousness of situation • Remove all personnel outby affected areas 			

Job Steps	Importance Narrative (Consider Safety, Production, Maintenance)	Importance Ranking 1=Important 2= Very Important 3=Critical	Procedures/Risk Resolution/Notes/Comments
<ul style="list-style-type: none"> • Direct workforce at site 			
<ul style="list-style-type: none"> ○ Instruct all employees to do a personal assessment for hazards, as they approach a problem. Stop, Look, Analyze, Manage 			
<ul style="list-style-type: none"> • Secure site 		3	
E. Fire/Explosion		3	
<ul style="list-style-type: none"> • Refr to written firefighting plan 			
<ul style="list-style-type: none"> • “First few minutes are the most critical” 			
<ul style="list-style-type: none"> • Prepare to evacuate if necessary 			
<ul style="list-style-type: none"> ○ Don’t minimize possible seriousness of the situation 			
<ul style="list-style-type: none"> • Prepare to barricade if necessary 			
<ul style="list-style-type: none"> ○ Only as a last resort 			
F. Inundations (water, gas)		3	
<ul style="list-style-type: none"> • Withdraw to a safe location 			
<ul style="list-style-type: none"> • Hit emergency stop on power center 			
<ul style="list-style-type: none"> • Account for all persons 			
<ul style="list-style-type: none"> • Refer to escapeway and evacuation plan 			
<ul style="list-style-type: none"> • Water can carry CO₂ (black damp) or hydrogen sulfide (stink damp) 			

Job Steps	Importance Narrative (Consider Safety, Production, Maintenance)	Importance Ranking 1=Important 2= Very Important 3=Critical	Procedures/Risk Resolution/Notes/Comments
with it. Methane detectors may not function properly in low oxygen atmospheres			
<ul style="list-style-type: none"> • Ventilate area (in case of gas) 			
G. Serious Injury			
<ul style="list-style-type: none"> • Arrange for immediate transportation 			
<ul style="list-style-type: none"> • Maintain continuous communications with surface 			
<ul style="list-style-type: none"> • Provide first aid 			
<ul style="list-style-type: none"> • Request ambulance 			
<ul style="list-style-type: none"> • Request MET/backup 			
H. Roof Falls (unintentional)			
<ul style="list-style-type: none"> • Account for all people 			
<ul style="list-style-type: none"> • Check for gas <ul style="list-style-type: none"> ○ If gas is detected, hit emergency stop on power center (see gas inundation procedures) 			
<ul style="list-style-type: none"> ○ See gas inundation procedures 			
<ul style="list-style-type: none"> • Danger off all approaches 			
<ul style="list-style-type: none"> • Prepare to support area 			
<ul style="list-style-type: none"> ○ Refer to unintentional roof fall plan 			

Job Steps	Importance Narrative (Consider Safety, Production, Maintenance)	Importance Ranking 1=Important 2= Very Important 3=Critical	Procedures/Risk Resolution/Notes/Comments
<ul style="list-style-type: none"> • Report to mine management immediately 			
I. Training			
<ul style="list-style-type: none"> ○ Conduct safety talks dealing with problem areas as necessary 			Awareness is half the battle in preventing injuries and deaths.
<ul style="list-style-type: none"> ○ Have your firefighting and evacuation plans taught to employees 			