

BI-03.04 Lightning TARP

(Accountable - Operations Manager (Unassigned))

Expectations

Sites should have procedures (Trigger Action Response Processes/Plans) in place for storm situations that reduce the potential for lightning strike on mobile equipment.

Specify

Procedures in place for storm situations

Develop and implement a process to minimise potential for fire from lightning strikes

- Monitor lightning activity using meteorological forecasts and other early warning detection systems
- Lightning protection or diversion systems should be installed in accordance with appropriate standards (e.g. National Fire Protection Agency 780 2011 Standard for Installation of Lightning Protection Systems; AS/NZS 1768 2007 Lightning Protection)
- Provide timely communications to allow sufficient time for all exposed site personnel to seek appropriate safe shelter
- Place equipment in protected area away from fuel sources (i. stop damage; ii. Stop spread to fleet)
- Instigate awareness training for workers that highlights the risks of lightning strikes
- Develop a trigger action response plan (TARP) for lightning and electrical storms that outlines responses to a storm at certain distances away from the mine (e.g. a staged response depending on distance)
- Procedure for the use and protection of explosives in known lightning conditions

Implement

Training and assessment in requirements for Vehicle Operators during storms

Monitor

Supervisors monitor activities of Vehicle Operators during storms - confirming their activities meet site requirements.