



When air becomes saturated and the water vapour in the air condenses into tiny water droplets.

Checklist for managing site activities and assets during adverse weather.

Get ahead in readiness for adverse weather. Improve safety and limit damage.

Key issues: Fog

- Fog reduces visibility for everyone on site and particularly increases the risk of construction vehicle accidents.
- Reduced visibility for crane, construction vehicle and machine drivers increases risks for both drivers and those in their path.
- Foggy conditions make some construction tasks, such as lifting operations, groundworks and pouring concrete, challenging or impossible.
- Fog makes surfaces wet and slippery increasing the risk of slips, trips and falls.

General checklist: Fog

- ☐ Depending on visibility (fog thickness and speed at which it falls/clears), implement additional lighting and signage, high-visibility clothing and traffic management.
- ☐ 'Toolbox talk' presentation to the workforce on fog and reduced visibility.
- ☐ Implement a buddy system because of slip hazards.
- ☐ Check that roads, walkways and crossings are clearly marked.
- ☐ Ensure that there are no obstructions in pedestrian areas.

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Worker checklist: Fog

- ☐ Discuss safety and schedule with workers. Be prepared to stop work if unsafe.
- ☐ Reschedule work or implement additional safety measures/ adapt risk and method statements (RAMS) considering reduced visibility.
- ☐ Have an emergency response plan for vehicle accidents.
- ☐ Make sure workers are aware of the risks of reduced visibility and construction vehicle accidents.
- ☐ Provide additional lighting in work areas (such as work lights or vehicle headlights) to compensate for reduced visibility. Use LED lighting and consider placement of lights.
- ☐ Ensure signs are visible, reflective and illuminated (if needed).
- ☐ Ensure communication with portable two-way radios as visibility and sound can be impaired in heavy fog.
- ☐ Ensure personal protective equipment (PPE) is appropriate/ available. Enforce wearing of high-visibility and reflective clothing. Use anti-slip footwear.
- ☐ Monitor air quality in cases of chemical fog and implement ventilation and respiratory protection as necessary.

Site checklist: Fog

- ☐ Effective site planning. Properly lay out the construction site to minimise risk to workers.
- ☐ Enforce speed limits and maintain safe following distances.
- ☐ Use barriers, cones and signage to direct vehicles and pedestrians safely in reduced visibility.
- ☐ Regularly inspect and maintain equipment to ensure functionality and guard against water droplet damage.