

Reason for WTH Accidents:-

① Fire:-

Root Cause:- Root Cause for fire in WTH

- due to power cable Insulation damage
- due to air in power cable and sleeves.

Preventive Action:-

- we can Mitigate by doing:-

- ① proper Insulation of power cable
- ② proper lugging of power cables
- ③ Visual Inspection

② Structure failure:-

Root Cause:-

- due to high temp of WTH Component
- due to fatigue stress
- due to earthquake

Preventive Action:-

- Regular check or during Inspection we should check WTH Structure

③ Blade failure:-

Root Cause:-

- due to environment condition like heavy lightning.
- due to Improper of Bolts Torquing.
- due to Big Bird hit.

Prevention Action

- Regular Inspection
- proper tower torquing
- By checking proper Earthing.

④ Human Health:-

Root Cause:-

- Due to climbing up and down on WTC.
- due to WTC Nacelle Temp.

Preventive Action:-

- While climbing up and down on WTC we should check our fitness and health.
- Human fitness Test.

⑤ Human injury:-

Root Cause:-

- Due to not following of safety protocols
- ~~over~~ over Confidence during working
- Due to lack of PPEs

Preventive Action

- follow Always safety protocols
- ~~Do~~ Work patiently
- wear always PPE's

⑥ Fatal accidents:- ~~Human Injury to~~

Root Cause:-

- Due to lack of PPE's
- Due to not following of safety protocols
- Due to damages of safety equipment

Preventive Action

- check always safety PPE's prevently
- ~~Do~~ wear ~~always~~ always PPE's

⑦ Transport :-

Root Cause

- Due to ~~over~~ lack of weight lifting training
- Due to lift over weight of any material

Preventive action

- always lift weight according to weight
- we should have training of weight lifting

⑧ Environmental Damages

Root Cause :-

- Due to heavy Rain
- Heavy storm

Preventive Action

- always ~~to~~ work according to environment

⑨ Others :-

Root Cause

- due to travelling (while attending any WTN)
- due to sudden environment changes

Preventive Action

- ~~to~~ should always safety Belts and follow always Safety Rules.