

TSG | SAFEtember



Hot Works



Fuel Retail



Charge



Wash



Systems



Fleet

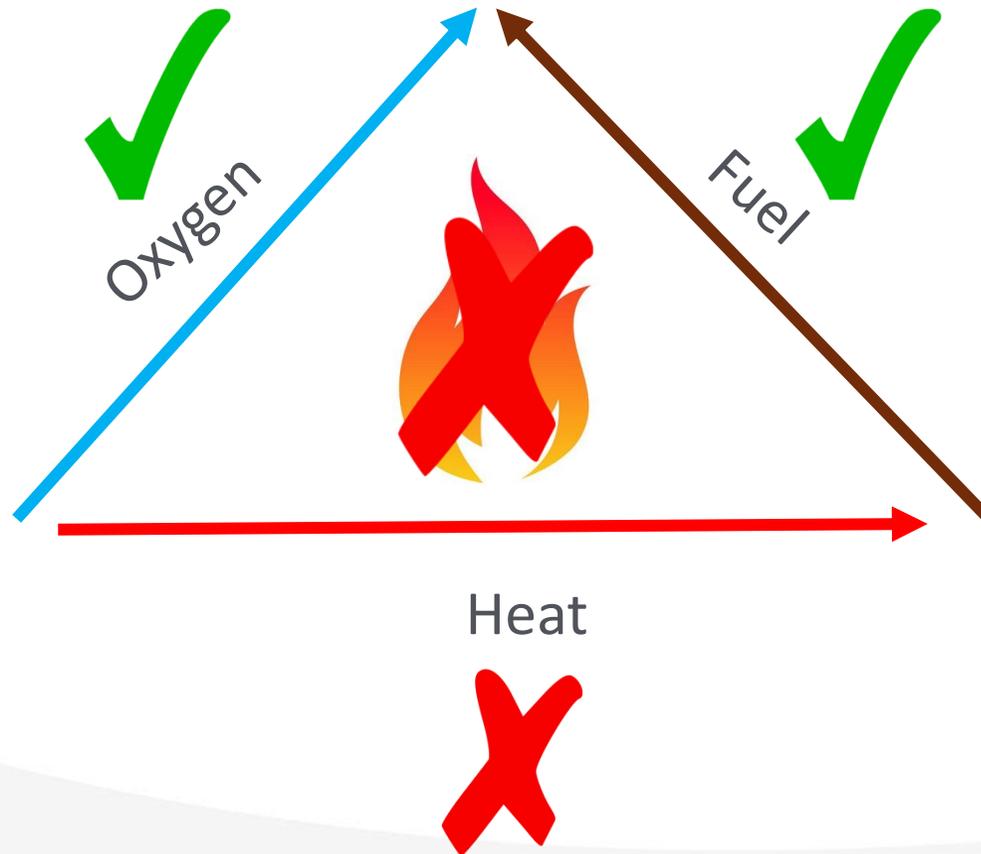


Gas

Expected conditions on a petrol forecourt

Fire triangle - typically, we have:

No mobile phones
No smoking



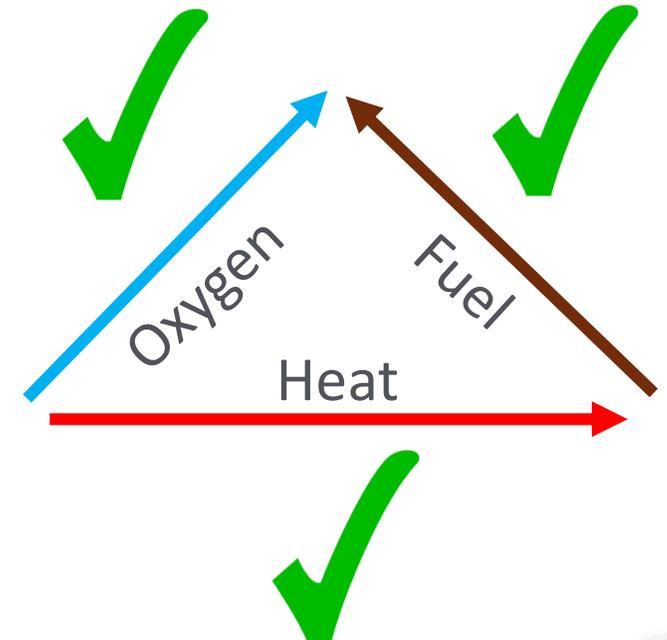
What are Hot Works?

Any work that may offer a source of ignition: There may be some work or task where introducing the heat or ignition source is required

Drilling



Cutting/breaking concrete



What are Hot Works? Cont'd

Any work that may offer a source of ignition: There may be some work or task where introducing the heat or ignition source is required

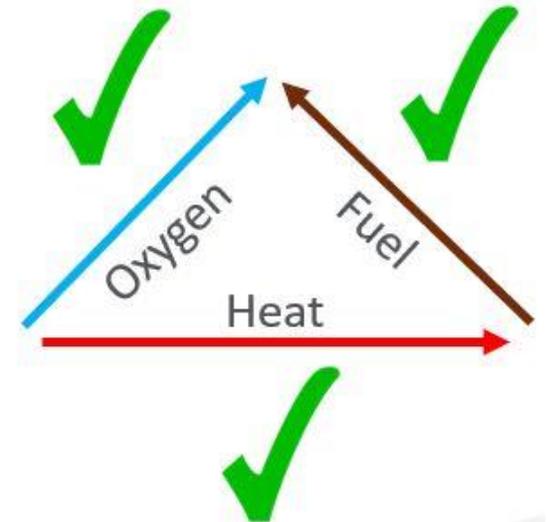
Welding



Grinding



Fuse welding or cutting plastic pipe plant equipment



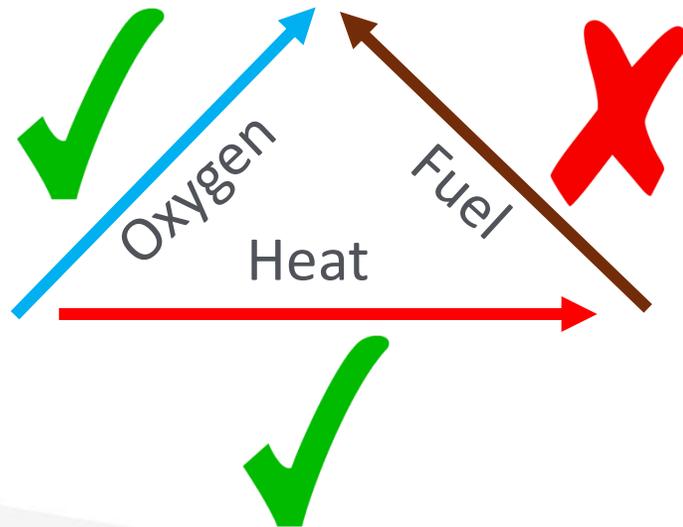
What are Hot Works?

Mismanagement of hot works can be disastrous!



What can we do?

- Can we eliminate the hot works? Are they necessary?
- Can we perform the hot works outside the hazardous/flammable area?
- Can we use other methods of performing the task that eliminate the ignition source?
- High pressure jets?
- Lastly – we need to control the existence of the flammable material/atmosphere



Control measures

- Purging lines
- Removal of combustibles
- Covering open manholes
- Closing site
- Closing off pumps that are within a certain distance of the hot works
- Vapour barriers
- Gas monitors – constant monitoring
- Fire extinguishers
- Fire watcher
- **PERMIT CONTROLLED WORKS**



HOT WORK PERMIT PERMIT NO: _____

Contractor: _____ Supervisor: _____
Location of work: _____ Date: _____
Approx duration: _____
Description of Work: _____

PRECAUTIONS TO BE TAKEN:-
Hot works within the Hazard Zone (4.25m) of a source of Petroleum Vapour **MUST** be authorised by a TSG LTD Supervisor
Continuous atmospheric monitoring for Flammable Vapours **MUST** be undertaken for all hot works within the (4.25m) Zone
Contractors **MUST** at all times comply with the requirements of TSG Safety Policy
Hot works must cease 1 hr before end of shift
All gas cylinders **MUST** be transported and kept upright and valves and hoses **Must** be in good condition
All gas cylinders **MUST** have Flash Back arrestors
When not in use all gas cylinders **MUST** be kept in secure store
Welding equipment **MUST** comply with current legislation
Minimum radius of hot work to be 1.5m from other persons working, screens to be erected where necessary
Work areas to be kept free of combustible materials
Services affected **MUST** be isolated before commencement of works
Cylinders **MUST** always be secured
All man ways and other openings in proximity of works **MUST** be covered with Fire Blankets or other non-combustible material
Operatives **MUST** monitor work area for 30 mins after completion of works to ensure there is no Hot Spot residue
Suitable Fire Fighting equipment **MUST** be available
Supervisor **MUST** ensure suitable PPE is available and worn by operatives
Isolate smoke detectors in vicinity of hot works
Spent welding rods and hot embers **MUST** be immersed in water
Smoke detectors **MUST** be reconnected upon completion of works

OPERATIVES

MUST UNDERSTAND THE FIRE & SAFETY PRECAUTIONS
MUST BE IN POSSESSION OF A PERMIT BEFORE COMMENCEMENT OF WORKS
MUST STOP WORK IF REQUIRED TO DO SO BY AN AUTHORISED PERSON
MUST REPORT IMMEDIATELY ANY HAZARD LIKELY TO AFFECT THE FIRE & SAFETY PRECAUTIONS
MUST ENSURE A SATISFACTORY ACCESS/EGRESS FROM WORK ZONE

PORTABLE POWER TOOLS

Equipment **MUST** be either battery or 110v **only**, be visibly free of defects and must be in good working order, Still saws, Floor saws and breakers **MUST** be irrigated. Compressors **MUST** be fitted with Flame arrestors.

CONFIRMATION BY CONTRACTORS SUPERVISOR I confirm that the precautions specified above will be complied with and I will ensure that the persons carrying out the work, described above are fully briefed on the Safe Methods of work.

SIGNED: _____ PRINT: _____ DATE: _____

CONFIRMATION BY OPERATOR I understand the precautions to be taken in carrying out the Hot Works

SIGNED: _____ PRINT: _____ DATE: _____

AUTHORISATION TSG LTD I certify that the above work can commence with the precautions listed above

SIGNED: _____ PRINT: _____ DATE: _____

CANCELLATION BY OPERATOR I confirm that the works have been completed and the area has been checked and is safe.

SIGNED: _____ PRINT: _____ DATE: _____

TSG LTD CANCELLATION OF PERMIT

INSPECTION OF AREA COVERED BY HOT WORK PERMIT AFTER COMPLETION OF WORKS IS CLEAR AND SAFE

SIGNED: _____ PRINT: _____ DATE: _____



GO HOME
SAFE

Thank you

Any questions?

