

Fire Engineering

Post Buncefield, the Buncefield Standards Task Group's (BSTG) final report (July 2007) provided recommendations relating to on-site emergency response plans and the interface between on-site and off-site emergency response arrangements.

Recommendation 285 states:

'The incident-specific emergency response plans should consider fire management requirements in response to, and mitigation of, a multiple tank fire. The plan should cover the on-site consequences of such an event and the assistance available in the form of off-site mitigatory actions. Any plan deemed necessary to deal with such an event must be capable of operating effectively even in the event of a preceding explosion.'

(source: BSTG final report July 2007)

The ultimate aim is to protect people, property and the environment from the destructive effects of fire.

The benefits of being prepared for such consequences:

- Understand the capability to perform in an emergency.
- Legislative compliance.
- Identifies shortfalls.
- Financial planning.
- Auditable document trail.
- Prepared response plans.
- Increased technical knowledge.

Adopting a scientific approach through applying fire engineering principles will help you to understand:

- The hazards and risks of fire and its effects.
- How to mitigate potential fire damage.
- The preventive and protective measures necessary to limit the consequences of fire.
- Systems and equipment required to detect, suppress and control potential fire-related incidents.
- The direction and control of equipment and resource required in the function of fire fighting and rescue operations.
- Post-fire investigation and analysis, evaluation and feedback.

So how can we help you?

Sembcorp UK Protection Group's expert fire engineering consultants will assess your fire fighting requirements and work with you to develop specific tailored fire management strategies that incorporate:

- Fire pre-planning – consideration of fire management requirements in response to and mitigation of large incidents and the formulation of scenario specific fire plans.
- Hydrant Flow testing – to ensure the capabilities meet the demands required during an emergency.
- Exercising and testing – to ensure plans are workable and relevant as well as acting as a reminder to personnel.

Considering the need for Technical Fire Plans? Then 'talk to Sembcorp'.

Contact

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