

Appendix 5.4

Hot Works Requirement for Petrol Filling Station

MIVU/X

Hot Works Requirements for Petrol Filling Station

- 1 A work permit for hot work should be issued by the supervisor of the PFS himself or a competent staff appointed by him.
- 2 The supervisor of the PFS himself or the competent staff appointed by him should sign on the permit certifying that the following safety measures have been taken before the work commences:
 - (a) Explosive gas tests have been conducted to ensure that the area where hot work would be conducted is free from explosives and flammable conditions.
 - (b) The hot work area has been cordoned off from unauthorized persons.
 - (c) In the course of hot work, all fuel supply to/from the affected oil tank(s) or the affected section(s) of the pipeline system has been temporarily suspended/cut off.
 - (d) Appropriate precautionary measures have been taken to prevent any liquid contaminated with petroleum substance(s) from approaching the area where the work is being carried out. This may be achieved by the provision of liquid retaining walls/bunds, firewalls or screens, etc. where necessary according to the situation of work site.
 - (e) Any sewers, drains or ducts in the vicinity of the hot work have been checked to ensure that they are clear of any oil residue. If necessary, the sewers, drains or ducts should be sealed off or protected suitably by fire resisting covers.
 - (f) Special precautions for fire protection should be taken where necessary. These include the provision for cooling adjacent tanks and clearing away or wetting down combustibles.
- 3 Clear instructions on actions to be taken to prevent the outbreak of fire as well as in the event of fire to be displayed in a prominent position of the affected works area(s) and should be given to all workers engaged on works.
- 4 Earthing of all electrical installation and equipment to be properly provided.
- 5 Fire resisting shield with 2 hours F.R.P. should be provided to limit the spreading of heat and globules of molten metal over a wide area during the hot work operation.
- 6 "HOT WORK IN PROGRESS 高溫/明火工程在進行中" notices in block letters and characters of not less than 125mm high with 15mm strokes to be displayed in a prominent position of the affected works area(s).
- 7 A staff with one 4.5 kg dry powder fire extinguisher and two sand buckets to be assigned to standby at each works area where hot work is in progress.
- 8 Upon completion of hot work, the area should be thoroughly inspected to ensure safety from the outbreak of fire before being left unattended.
- 9 All fire precautionary measures as stipulated in Part 19 of the Model Codes of Safe Practice for the Petroleum Industry: Fire Precautions at petroleum refineries and bulk storage installations to be properly observed.