

Welding, grinding, cutting, open flame and other spark producing tools and operations are all capable of starting dangerous fires in our workplaces. Collectively known as hot work, such processes require specific permits and procedures be followed to prevent the ignition of vapors, liquids and solids that may be in or near the work area. Careless hot work operations can quickly lead to fires, extensive property damage, severe injuries or death.

This program discusses the safe work practices that should be taken to prevent such incidents and reviews the responsibilities of those workers involved in hot work tasks. Topics include the hot work safety program, designated hot work areas, safety precautions to be taken prior to a hot work operation, the circumstances that require a fire watch, communication with outside contractors and responsibilities of the permit authorizing individual, the fire watch and the hot work operator.

### OBJECTIVES

- ✓ Know who is authorised to sign the hot work permit;
- ✓ Not start any hot work before hot work area is inspected by the authorised supervisor or safety officer;
- ✓ Be able to identify and remove, isolate, protect or disconnect fire hazards;
- ✓ Standby appropriate fire extinguisher cylinders at work site;
- ✓ Keep cutting and welding equipment in good repair and adequately secured;
- ✓ Work with a fire watcher hand in hand;
- ✓ Post hot work permit at the job site where work is authorised;
- ✓ Inspect work areas 1/2 hour after hot work is completed.

### FACILITATOR - En. Abdul Rahim Jasmin

holds a Diploma in Safety Engineering Technology from the United States as well as being a certified Program Leader from Kepner Tregoe Incorporated, United States and a Registered Safety Officer from DOSH, Malaysia. He is also an approved DOSH CISHO's course trainer. He has presented various safety and health papers in seminars conducted by DOSH and FMM and have also conducted numerous in-house Safety and Health related courses for Workers, Supervisors, Engineers, Executives and Managers in areas such as Safety and Health in Manufacturing, Certificate in Safety and Health Officers Course, Certification on Safe Forklift Driving, Warehouse Safety Management, Safety Management in manufacturing environment, Fire Prevention and Control, Electrical Safety, Accident Prevention and Investigation, Hazard Identification, Risk Assessment and Control, Safe Operation of Machine, Safe Machine Guarding, Hazcom and Chemical Safety, Emergency Response to Chemical Spill, Confined Space, Safety and Health Management, and many others.

### COURSES

- A. Before hot work began:
- \* Authorised supervisor or safety officer to sign and issue permit
  - \* General conditions to be inspected before hot work begin
  - \* Precautions within 15m of work
  - \* Work on Walls or Ceilings
  - \* Work on enclosed equipment (tanks, containers, ducts, dust collectors, etc)
  - \* Fire resistant shields to cover combustible materials and floors
  - \* Setting up a Fire watch
- B. During and After hot work
- \* Wear correct PPE including welding shield
  - \* Fire watcher to standby fire extinguisher cylinders
  - \* Fire watcher to watch for fires in all exposed areas
  - \* Identify nearest fire alarm break glass
  - \* Post approved hot work permit at work site
  - \* Inspection of work areas 1/2 hr after work is completed by fire watcher

### Methodology

Lecture, power point presentation, video clip presentation, interaction and case study.

### ADMINISTRATIVE

Date : April 25 - 26, 2018 (Wed-Thu) (Closing date : April 11, 2018)

Time : 9.00am - 5.00 pm

Venue : FMM Institute, Johor Branch

### COURSE FEES

Member : RM795-00 per participant

Non Member : RM901-00 per participant

*(Fees include Course Materials, Refreshment, Lunch & Certificate of Attendance) (Inclusive of 6% GST)*

[For further enquiries, please contact](#)

**Ms Astri / Ms Liza / Mr Omar / Ms Jessica**

Tel: 07-3577613 / Fax: 07-3577617-8

Email : [astri@fmm.org.my](mailto:astri@fmm.org.my) / [liza\\_osman@fmm.org.my](mailto:liza_osman@fmm.org.my) / [jessica@fmm.org.my](mailto:jessica@fmm.org.my)

### REGISTRATION FORM

Dear Sir,  
 Please register the following participant(s) for the above programme

1 Name :	_____
Designation :	_____
I.C No :	_____
H/P No. :	_____
2 Name :	_____
Designation :	_____
I.C No :	_____

If vegetarian meal required. \_\_\_\_\_ pax (if space is insufficient, please

### Submitted by:

Name :	_____
Designation :	_____
Company :	_____
Address :	_____
GST No. :	_____
Tel & Fax No. :	(T) _____ (F) _____
Email :	_____

Enclosed cheque/bank draft No \_\_\_\_\_ for RM \_\_\_\_\_ being payment for \_\_\_\_\_ participant(s) made in favour of the "FMM Institute" should be forwarded to the Secretariat **before April 11, 2018.**

\* There will be no refund for cancellation within 3 days prior to the programme; 50% refund for cancellation between 3-6 days;

\* Full refund for cancellation 7 days prior to the programme; Cancellation must be in writing. Replacement can be accepted at no additional cost.

\* The FMM reserves the right to change the facilitator, date or reschedule the above programme and all efforts will be taken to inform participants of the changes. \* Upon sending the registration form, you are deemed to have read and accepted the terms and conditions.