

# Hot Work Operation

## Past Incident/ Accident:

### 拖船工人燒焊失手 灼傷面部送院

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將軍澳工業邨二級火 生物柴油廠傳爆炸聲 兩工人燒傷



將軍澳工業邨發生二級火警，一間生物柴油公司傳出爆炸聲，兩名工人燒傷。

下午5時許，將軍澳工業邨駿宏街22號發生火警，上址為一間生物柴油公司，一名28歲職員報案指室內位置傳出爆炸聲，兩名年約24歲及57歲男工人身體多處燒傷，其中24歲工人傷勢較重，送院時被救護員以保護物料覆蓋身體。

燒焊工程發生爆炸 一人七成皮膚燒傷

消防及警方接報到場，警方相信上址工人進行燒焊工程時意外發生爆炸，事件無可疑，案件現列作工業意外有人受傷。工業傷亡權益會指，據悉當時有工人進行燒焊，而懷疑地點有殘留易燃氣體或液體，造成搶火發生爆炸，波及附近工作的兩名工人。工權會對意外表示難過，已派員趕往醫院接觸了兩位傷者的家屬，傷者分別為57歲姓朱和24歲姓翁的工人，其中翁先生七成皮膚燒傷。工權會指將繼續跟進傷者及家屬的需要，至於安全方面，僱主應確保場所已完全清理好，沒有殘留化學物質及易燃物品，方讓工人進行燒焊等工作。

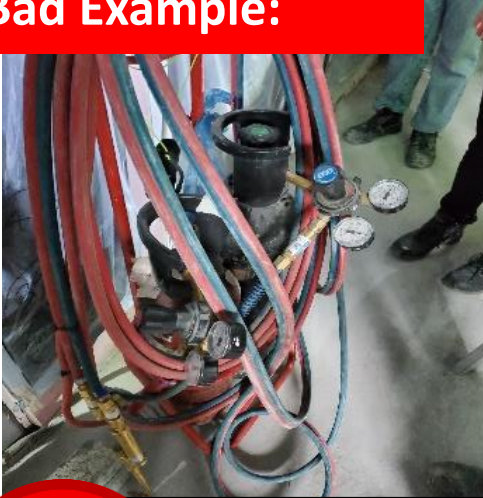
公司：已立即停止廠房運作

ASB生物柴油（香港）有限公司發言人回覆查詢指，將軍澳廠房今天下午約5時發生一宗工業意外，事件中有兩名職員受傷送院，公司在意外發生後立即向消防處及警方報告，消防接報到場前，火警已熄滅，同事送院時清醒。公司對受傷職員及其家屬致以最深切慰問，並會提供一切所需的支援。發言人指意外原因目前仍在調查中，公司一直非常著重廠房運作安全，過往未曾發生類似意外，對今次意外表示十分關注，意外發生後已立即停止廠房運作，並會嚴謹調查意外原因，檢視所有現行運作，在確保廠房安全後才會恢復正常運作。

## Safety Practices for Hot Work Operation

- Risk assessment shall be carried out by competent person with implementation of hot work permit system for carrying out hot work activities.
- Verify hot work equipment is in proper working order.
- All sources of flammable / combustible substance should be isolated / kept away.
- Provide suitable ventilation system.
- Firefighting equipment, e.g. portable fire extinguishers, fire blankets, sand buckets, etc., should be provided.
- Use non-combustible or flameproof shields to protect nearby personnel from direct rays of welding arcs.
- Equip gas cylinder with suitable flashback arrestor and non-return valve.
- Person who carrying out hot work activities should be properly trained for use of the relevant equipment.
- Wear proper personal protective equipment such as safety goggles, safety masks/ face shield and protective glove.
- For electric arc welding, the work-piece should be earthed.
- Ensure that slag, sparks and work-piece are completely cooled down before leaving the work area.

**Bad Example:**



**Leakage test equipment "Soap Water Bottle" was not provided for gas welding set.**



**Cigarette butt was found on site next to hot work area and flammable waste storage area.**

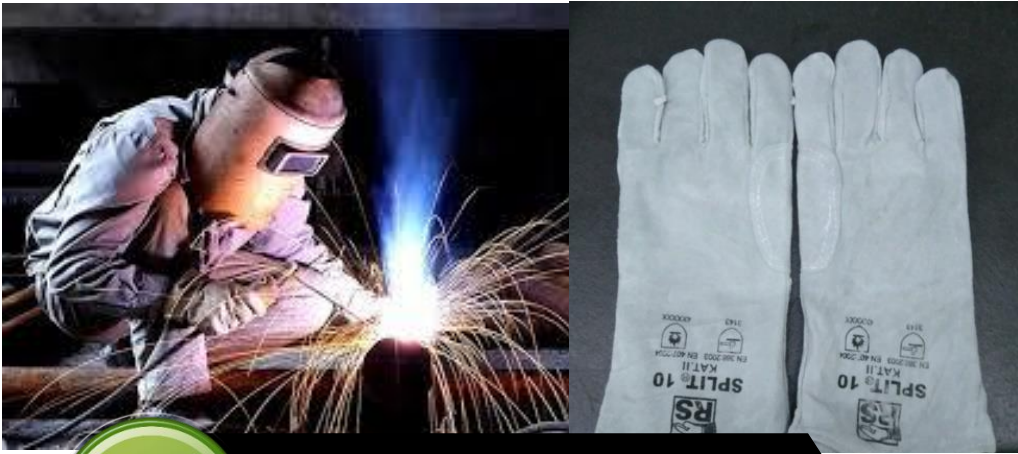


**Suitable fire extinguishers was not provided for welding operation.**



**Gas pressure was not released for idling cylinder.**

## Correct/ Good Practice:



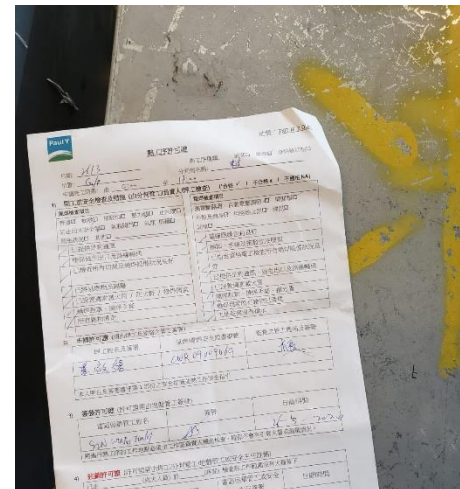
**Wear proper personal protective equipment**



**Release gas pressure when the cylinder is not in use**



**Provide fire extinguisher for welding operation**



**Implementation of hot-work permit and checklist for welding operation**

