

# Propane gas explosion/fire

## NM DESCRIPTION

Four workers were involved in a **sudden outbreak of fire caused by a propane leak** while they were performing welding activities inside a welding tent.

Due to the **torch's gas hose becoming disconnected**, propane gas leaked out resulting in a build-up of propane inside the welding tent. **Welding triggered instant ignition** of the propane gas which had built-up inside the welding tent.

## CAUSES

- ❖ Inspection revealed the **hose-crimped hose clamp connection on the torch was faulty**.
- ❖ **Incorrect crimping / unsuitable tool** used on the torch clamp.
- ❖ **Lack of operational training** on how to use the crimping tool.

## ACTIONS

- ❖ **Operating methods:**
  - Inspection of all materials;
  - Preparation of the "Using welding torches in safety" procedure.
- ❖ **Training methods:**
  - Awareness campaign for personnel through Tool Box Meeting.

