



MINISTRY OF DEFENCE

**Defence
Infrastructure
Organisation**

SAFETY ALERT

**Subject: INSPECTION AND MAINTENANCE OF UNDERGROUND
LIQUID PETROLEUM GAS PIPEWORK INSTALLATIONS**

Number: SA 01/12

DIO Secretariat Sponsor: RA Cawthorne

Date of issue:

20 January 2012

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Who Should Read this:

Top Level Budget Holders, Prime Contractors, Private Finance Initiatives, Public, Private Partnership and other traditionally procured contracts, Project Managers, Site Estate Authority Teams and Property Managers with responsibility for MOD projects and Property Management Works Services (including the legacy work of EWCs/WSMs), Coordinating Authorising Engineers, Authorising Engineers Petroleum, Authorised Persons Petroleum and Designers, Installers and Maintainers of LPG installations.

When it takes effect: Immediately

When it is due to expire: When advised

Health and Safety

Document Aim.

To raise awareness of the requirements for adequate inspection and maintenance of liquid petroleum gas (LPG) installations on the MOD Estate. This Safety Alert supersedes SA01/09.

1. Introduction

- a. COMPLIANCE WITH THE CONTENTS OF THIS ALERT WILL ENABLE COMPLIANCE WITH THE HEALTH & SAFETY AT WORK ETC ACT 1974 AND ITS SUBORDINATE REGULATIONS.
- b. The appropriate MOD officer shall arrange for the Maintenance Management Organisation (MMO) contractor to carry out all actions in accordance with this Alert.
- c. Any work required as a result of this Safety Alert must be carried out in accordance with JSP 375 Volume 3 – MOD's Safety Rules & Procedures and the Establishment's Gas Safety Management Plan.
- d. On MOD Establishments occupied by United States Visiting Forces (USVF) responsibility is jointly held by USVF and DIO (USF). At base level this jointly managed organisation is to take appropriate action to implement the contents of this Alert. Where this Alert contains procedures which differ significantly from USVF practice DIO (USF) code of practice will be issued.

2. Background

- a. This Safety Alert supersedes SA01/09, which was raised to cover MOD installations during an investigation by the Health & Safety Executive following a fatal incident involving LPG pipework at ICL Plastics in Glasgow.
- b. Subsequent guidance from the UKLPG trade body includes User Information Sheets (UIS) 015 (Inspection and Maintenance of LPG Pipework at Commercial and Industrial Premises) and 025 (LPG Installation Record and Documentation). These are available at the following references:
 - UIS 015: <http://www.uklpg.org/uploads/DOC4D42EBF077C0C.pdf>
 - UIS 025: <http://www.uklpg.org/uploads/DOC4E77447BE5BDE.pdf>
- c. Existing guidance from HSE is contained within their leaflet INDG 428: Inspecting and maintaining or replacing buried metallic pipework carrying LPG vapour. This too has been reviewed and updated since the MOD's 2009 Safety Alert. It is available at the following reference:
 - INDG 428: <http://www.hse.gov.uk/pubns/indg428.pdf>

3. Requirement

- a. Maintenance management organisations are to ensure that the correct level of inspection and maintenance is carried out on all LPG installations and that suitable and sufficient records are kept.
- b. The guidance detailed in 2 b & c shall be used to supplement existing best practice and the Establishment Gas Safety Management Plan.