

Note from Peter Davis to all UKOPA members

The PSLG has agreed to survey members to collect information on the number of tanks that store materials other than gasoline that could form a large flammable vapour cloud. HSE is asking UKPOA to collect this information from members by end-Oct and to collate it by Nov 7th. I **would note that you may be asked for the same information by UKPIA, TSA or CIA, if that is so do not duplicate the info, only send it to me (Peter Davis at peterdavis@bpa.co.uk) if it is not submitted to another industry body**. The criteria are set out in the attachments and are based on the work of the BSTG/PSLG WG on scope. There is an opportunity to provide comments/concerns/reservations etc, for consideration in the next phase – which is to consider the implications and discuss this at PSLG.

Regards

Peter

There has been a clarification made by HSE to note

Another issue has been raised by Neil McNaughton in relation to the determination document sent out earlier.

"It is worth pointing out to people who want to use the detailed calculations to determine whether a substance is in cope or not, that the thermodynamic calculation for the final temperature of the air/spray mixture must allow for the effects of the condensation (and possibly freezing) of water vapour in the air. This makes quite a difference to the final temperature, and just modelling the air as oxygen/nitrogen, or even nitrogen, won't give the right answer. I can't find this issue referred to in the first note doesn't, and it only emerged after lengthy discussions between myself, HSL and Geoff Chamberlain of SGS when my calcs didn't agree with theirs."

I have discussed this with the WG2 leader and the following note was determined as being sufficient for any reader carrying out this work. Please pass this note on to your members. I will amend the determination document to have this note included for any further circulation.

NB Humidity should be allowed for in marginal cases.

It is felt that any reader capable of doing the basic thermodynamics should be capable of making appropriate corrections for humidity

From: Jane.Lassey@hse.gsi.gov.uk [mailto:Jane.Lassey@hse.gsi.gov.uk]

Sent: 16 September 2008 10:09

To: Peter Davis; Peter Davis

Subject: FW: PSLG Operator Survey - Stored substances, other than gasoline, that could result in a Flammable Vapour Cloud (FVC) during a tank overfill scenario

Regards
Jane

From: Jane Lassey

Sent: 10 September 2008 15:48

To: 'Stephen Elliott'; 'Chris Hunt'; 'martyn.lyons@simstor.co.uk'; 'Peter Davis'

Cc: 'Traynor, Tony'; 'Clarke, Richard'; Ian Travers; bud.hudspith@unitetheunion.com; 'Burns, John W (EPI /PPC Air Unit)'; 'Maleham, Mark'; Colette Fitzpatrick; 'Hugh Bray'; 'Ian Mcpherson'; ScottP@cia.org.uk

Subject: PSLG Operator Survey - Stored substances, other than gasoline, that could result in a Flammable Vapour Cloud (FVC) during a tank overfill scenario

All

Follow up work from WG2. For information I had comments from Hugh and Ian following my e mail of the 26/08/08 and I have addressed their concerns. No other comments have been received to date.

As agreed at the last PSLG can you circulate the two documents above to your members with a covering note (suggestion below) and collate your own TA returns before forwarding to Colette. The deadline for responses has been moved back to 31st October 2008 to allow a sensible timeframe for sites to digest the document, carry out calculations etc and complete the return. Please can you try to forward collated returns to Colette by 7 November 2008.

Suggested covering note to Site Operators

Following Buncefield the BSTG established a working group to consider other stored substances that could result in a Flammable Vapour Cloud (FVC) during a tank overfill scenario. This work has now reached a conclusion and the attached paper enables operators to identify those stored volatile liquids that could result in the formation of a FVC. The Process Safety Leadership Group are currently considering the implications of this work and request that you **complete the attached Operator Survey Form and return it by 31 October 2008**. Please use the document entitled " Determination of substances propensity to form large flammable vapour clouds" in order for you to complete the return. The results of this survey will help the PSLG to identify the number and range of sites that have substances other than gasoline with a propensity to form a FVC during tank overfill, in order to assess the impact that any additional suggested proposals for further work would have on Industry. The Operator Survey Form has a section for additional comments in order to feedback your views to PSLG on issues or areas of concern in relation to the possible future implications of this work.

Regards

Jane Lassey

HID - C12F

Tel: 01905 743607

VPN 536 360

e mail: jane.lassey@hse.gsi.gov.uk

Regards

Jane

HID - CI2C

Tel: 01905 743607

VPN 536 3607

e mail: jane.lassey@hse.gsi.gov.uk