

Memorandum

Large
and
ASSOCIATES

Consulting Engineers

The Gatehouse 1-2 Repository Road Ha Ha Rd London SE18 4BQ ☎ 44[0]20 8317 2860 fax [0]20 8317 2859
largeassociates@lageassociates.com

To: **Glen Bridge** NII Information Officer

M3185-A26

From: **John H Large**

9 December 2009

Cc: David Hoadley – SCANS

Subject: **SOTONSAFE – 3RD REQUEST FOR INFORMATION**

Further to my previous request M2185-A16 of 29 October, please provide the following:

- 1) Referring to the Health & Safety Executive Nuclear Directorate Assessment Report ND Div.3A AE No. 35/08, Trim Folder 4.4.1.356, File Reference 2008/616012 relating to the MoD REPPiR Submission 2008:
 - a) Confirm or otherwise that the Assessment relates to *Trafalgar*, *Vanguard* and *Astute* class of submarine boats operated by the Royal Navy;
 - b) Provide the contents of TRIM Folder 4.10.2.4;
 - c) For the LOCA adopted for the Reference Accident referred to in para 4, 1st bullet point provide, if a complete guillotine failure is assumed, the pipe diameter or, if not a guillotine failure, the equivalent flow area and assumed discharge coefficient;
 - d) Similarly, provide the transient response times, or similar, for the *slow* and *fast* LOCAs referred to in the 4th bullet point;
 - e) For the Table providing the Reference 7 Conclusions, clarify if the COSYMA analysis accounts for the range of atmospheric stability classes and, if so, for what conditions the data reproduced in the table apply (ie what fractile);
 - f) Referring to the final paragraph of page 8, provide a list, or whatever, of the improvements required in the Berth Safety Statement required to support the next round of REPPiR submissions in 2011; and
 - g) Provide the citation text of Reference N^o 3, 4, 5, 6, 8, 10, 11, 12, 17 and 26.

In your response, please refer to my order of itemisation above.