SSL
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WP File Ref: Q7921630.let

Mr Russell Everitt
Manager
PyroGen (Australia) Pty Ltd
P.O. Box 694
HURSTVILLE NSW 1481

Dear Mr Everitt,

"TO WHOM IT MAY CONCERN"

This is to confirm that, on 15 December 1999, SSL commenced a Listing Investigation of technical documentation and reference samples of equipment which were submitted by PyroGen (Australia) Pty. Ltd. for the purpose of Listing of the PyroGen range of pyrotechnically-generated fine dry powder aerosol type fixed fire extinguishing equipment in the SSL Register of Fire protection Equipment. SSL also confirms that all required testing has been successfully completed, and that all required submission documentation, including reports of the testing, is now held by SSL. Formal confirmation of SSL Listing, and issue of an SSL Product Listing Data Sheet, is anticipated to occur in late February or early March, 2000.

Yours sincerely

Jeffrey J. Everitt
Mechanical Engineer, Fire Systems Group
15 December, 1999

SCIENTIFIC SERVICES LABORATORY

Mr Alex Shumsky
Director
AES International Pty. Ltd.
P.O. Box 694
HURSTVILLE NSW 2220

Dear Sir

Re: SSL Register of Fire-Protection Equipment
"PyroGen" Aerosol Fire-Extinguishing Units
Design-Factor Testing

This is to confirm that SSL-witnessed testing of the "Pyrogen" 'MAG' Series pyrotechnically-generated aerosol type fire extinguishing unit was carried out at SSL on 22 and 23 October 1996, to SSL Test Specification FTS-103 "Design Factor Testing of Pyrotechnically-Generated Aerosol ('PXA') Type Fixed Fire Extinguishing Units".

The above SSL Test Specification involves use of a 'scaled-down version' of the Fire Extinguishment Test Procedures described in Clause A-3-4.2.2.3 of Appendix 'A' of NFPA 2001 Standard on Clean Agent Extinguishing Systems, 1996 Edition.

The above SSL-witnessed tests were done with test fires consisting of wood crib, heptane, automotive distillate, and industrial hydraulic oil.

The results of the above testing indicate that a "PyroGen" Design Factor of 100 grams of aerosol-generating substance per cubic metre of enclosure volume would be satisfactory for extinguishment of the above fuels, provided that the enclosure leakage is minimised by normal good quality building-design and workmanship. The SSL-specified enclosure used in the above testing was designed to provide practically-uniform extinguishant leakage at high and low level relative to the enclosure floor, as well as at vertical corner joints.

The above Design Factor provides a 20% Safety Factor above the actual tested design factor.

Yours faithfully

Jeffrey J. Everitt
Engineer, Fire Systems
3 July, 1998

Copied to Mr Roger Thomas, Tyco Technical Services Group, Dee Why, NSW

WP File Ref: Q525aesi.fax