

**ATTACHMENT 3**

**Calculation 32-2400573-00,  
"Highway Propane Explosion Hazard Risk Determination"**

**All subsequent pages removed under 10 CFR 2.390 (pages3-21).**

**A****CALCULATION SUMMARY SHEET (CSS)****FRAMATOME ANP**Document Identifier 32 - 2400573 - 00Title Highway Propane Explosion Hazard Risk Determination**PREPARED BY:****REVIEWED BY:**METHOD:  DETAILED CHECK  INDEPENDENT CALCULATIONNAME J.H. SnooksNAME S.T. ThomsonSIGNATURE *J.H. Snooks*SIGNATURE *S.T. Thomson*TITLE Sr. Env. ConsultantDATE 11/24/2003TITLE Sr. EngineerDATE 11/24/2003COST CENTER 41739REF. PAGE(S) 7-8TM STATEMENT: REVIEWER INDEPENDENCE *S.T. Thomson*

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**PURPOSE AND SUMMARY OF RESULTS:**

This calculation uses a hazard model to estimate the likelihood of a propane truck accident on New Mexico Highway 234/176 and subsequent explosion that could impact the National Enrichment Facility (NEF) plant operations. The calculated yearly probability of the hazard is  $2.07 \times 10^{-6}$ . As a result, the event is considered credible in accordance with NUREG-1520.

**THE FOLLOWING COMPUTER CODES HAVE BEEN USED IN THIS DOCUMENT:**

CODE/VERSION/REV

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N/A**THE DOCUMENT CONTAINS ASSUMPTIONS THAT MUST BE VERIFIED PRIOR TO USE ON SAFETY-RELATED WORK**

YES

NO