

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

August 29, 1980

Director of Nuclear Reactor Regulation  
Attention: Mr. A. Schwencer, Chief  
Licensing Branch No. 2  
Division of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Dear Mr. Schwencer:

In the Matter of the Application of ) Docket Nos. 50-327  
Tennessee Valley Authority ) 50-328

In my letter to you dated August 11, 1980, TVA committed to provide a procedure for correlation of out-of-containment radiation monitor readings with in-containment radiation levels.

On August 22, 1980, TVA implemented a revised Radiological Emergency Plan for Sequoyah Nuclear Plant. Section 5.4 of the TVA-REP as submitted by my letter to H. R. Denton dated July 21, 1980, describes the method to be used for predicting probable releases of radioactive gas based on existing and potential plant conditions including containment radiation levels. Enclosed is a copy of Implementing Procedure (IP)-18 which details the action taken for correlating in-containment radiation levels with monitor readings and subsequent determination of potential releases.

Also enclosed are graphs of containment activity as a function of monitor reading which illustrate the type of correlation obtained through the use of IP-18.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

*J. M. Mills*  
J. M. Mills, Manager  
Nuclear Regulation and Safety

Sworn to and subscribed before me  
this 10th day of Aug 1980

Ernest M. Lewis  
Notary Public

My Commission Expires 1-1-82

Enclosure

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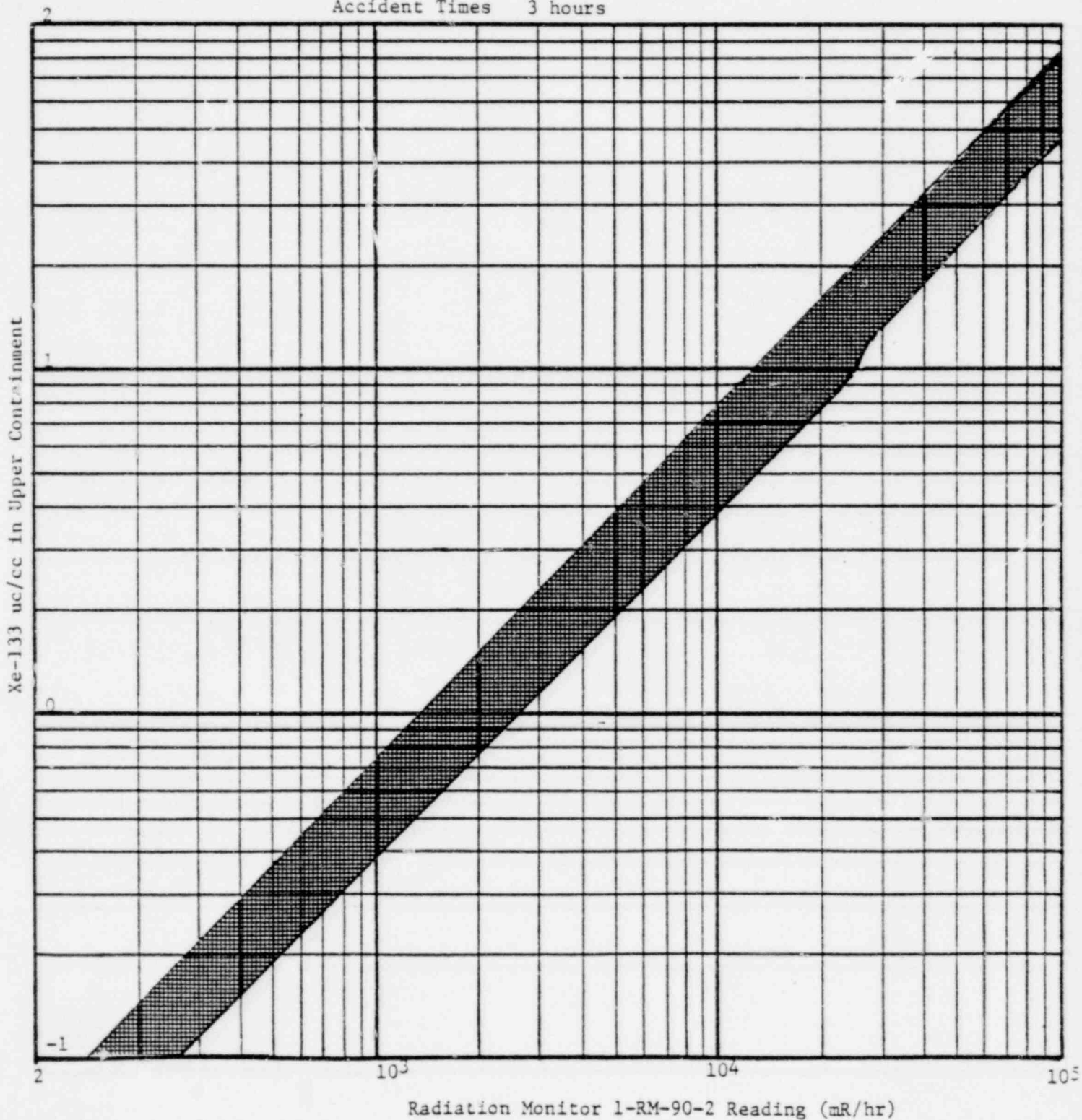
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THIS DOCUMENT CONTAINS  
POOR QUALITY PAGES

ENCLOSURE I

Range of Xe-133 Activity (uc/cc) vs. Dose Rate  
At Monitor (mR/hr) Assuming A Modified  
TID 14844 Isotopic Spectrum for Post  
Accident Times 3 hours



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