

May 3, 2005

Mr. Robert E. Link, Manager  
Environmental, Health, Safety and Licensing  
Framatome ANP, Inc.  
2101 Horn Rapids Road  
Richland, WA 99352-0130

SUBJECT: AMENDMENT 44 - FRAMATOME ANP, INC. CLARIFICATION OF SECTION 4.2.1  
ON CALCULATION OF MAXIMUM ALLOWABLE NEUTRON MULTIPLICATION  
FACTORS (TAC NO. L31839)

Dear Mr. Link:

This letter refers to your application for amendment dated July 7, 2004, in which you requested an amendment to Chapter 4, "Nuclear Criticality Safety," of License No. SNM-1227, to clarify Framatome ANP, Inc.'s (FANP) methodology for establishing bias and uncertainty in its calculations of maximum allowable neutron multiplication factors. On April 11, 2005, you requested change pages for chapter 4 of your license. We have completed our review of the proposed change to the license and have determined that an amendment should be granted.

During the review, NRC staff noted that many of the acceptance criteria discussed in the Standard Review Plan, NUREG-1520, are not included in the current license. These acceptance criteria are intended to ensure that the calculational methods are appropriately validated. These aspects or other acceptable means of meeting the underlying safety goals should be addressed at the next license renewal.

Pursuant to Part 70 of Title 10 of the Code of Federal Regulations, Materials License SNM-1227 is hereby amended to incorporate your requested change, along with administrative updates to Chapter 4 of your license as indicated in your submittal dated April 11, 2005.

Accordingly, Safety Condition S-1 is modified to incorporate dates of July 7, 2004, and April 11, 2005. All other conditions of the license shall remain the same. Enclosed are copies of the revised Materials License SNM-1227 (Enclosure 1) and the Safety Evaluation Report (Enclosure 2), which includes the Categorical Exclusion for the environmental report.

If you have any questions regarding this letter, please contact Nick Baker at (301) 415-6155 or by e-mail at [mnb@nrc.gov](mailto:mnb@nrc.gov).

The enclosed license contains Proprietary Information as defined in 10 CFR 2.390(d), and therefore, will not be placed in the Public Document Room nor the Publicly Available Records (PARS) component of the NRC's document system (ADAMS).

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," this letter, a public version of the license, and the Safety Evaluation Report will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electron Reading Room).

Sincerely,

**/RA/**

Gary S. Janosko, Chief  
Fuel Cycle Facilities Branch  
Division of Fuel Cycle Safety  
and Safeguards  
Office of Nuclear Material Safety  
and Safeguards

Docket No.: 70-1257  
License No.: SNM-1227  
Amendment 44

Enclosures: 1. Materials License SNM-1227  
2. Safety Evaluation Report

R. Link

2

The enclosed license contains Proprietary Information as defined in 10 CFR 2.390(d), and therefore, will not be placed in the Public Document Room nor the Publicly Available Records (PARS) component of the NRC's document system (ADAMS).

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," this letter, a public version of the license, and the Safety Evaluation Report will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electron Reading Room).

Sincerely,

**/RA/**

Gary S. Janosko, Chief  
Fuel Cycle Facilities Branch  
Division of Fuel Cycle Safety  
and Safeguards  
Office of Nuclear Material Safety  
and Safeguards

Docket No.: 70-1257  
License No.: SNM-1227  
Amendment 44

Enclosures: 1. Materials License SNM-1227  
2. Safety Evaluation Report

**(CLOSES TAC L31839)**

DISTRIBUTION:

FCFB r/f M. Adams A. Gooden/Rll B.Gloersen/Rll M. Galloway, TSG  
SHO

**ML051150451**

OFFICE	FCFB		FCFB		FCFB		FCFB	
NAME	MBaker:bkh1		BGarrett		JLubinski		GJanosko	
DATE	04/26/05		04/26/05		05/2/05		05/3/05	

**OFFICIAL RECORD COPY**