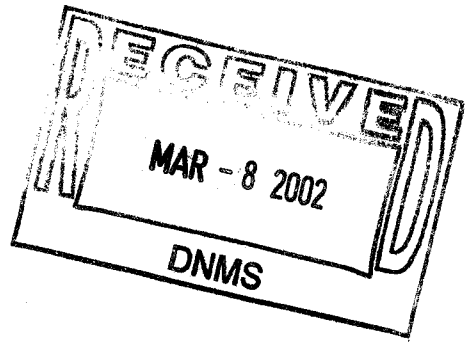




March 1, 2002
EHSLR:02:007

U.S. Nuclear Regulatory Commission
Attn: Mr. E.W. Merschoff, Regional Administrator
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-8064



Dear Mr. Merschoff:

License SNM-1227
Docket 70-1257

Subject: Required Reporting of Effluents per 10 CFR 70.59

As required by 10 CFR 70.59, Framatome ANP, Inc. (FRA-ANP) is reporting discharges of radioactive materials in the effluents from its nuclear fuels fabrication plant on Horn Rapids Road in Richland, Washington. Data from July 1, 2001 through December 31, 2001 are reported in the attached tables.

All data indicate continued compliance with applicable discharge limits. If there are any questions, please contact me at (509) 375-8789 in Richland or at (434) 832-5268 in Lynchburg, Virginia.

Very truly yours,

R. S. Freeman, Manager
Environmental, Health, Safety & Licensing

/mah

Attachments

cc: M. J. Virgilio, Director, NMSS, U.S. Nuclear Regulatory Commission
A.W. Conklin, State of Washington Department of Health
W. Britz, U.S. Nuclear Regulatory Commission, Region IV

Framatome ANP, Inc.

2101 Horn Rapids Road
Richland, WA 99352

Tel: (509) 375-8100
Fax: (509) 375-8402

Gaseous Effluent					
July 1, 2001 - December 31, 2001					
Stack	Average Concentration (μCi/ml)	Error Estimate (%)	Average LLD* (μCi/ml)	Quantity (μCi α)**	Flow (m ³)
K03	9.76E-16	39	5.29E-15	0.28	2.90E+08
K06	7.32E-16	35	2.99E-15	0.08	1.05E+08
K09	1.73E-15	23	4.95E-15	0.03	1.76E+07
K21	9.64E-16	47	6.42E-15	0.14	1.41E+08
K25	7.50E-16	59	6.36E-15	0.01	1.89E+07
K31	2.45E-15	24	8.39E-15	0.63	2.55E+08
K32	8.70E-15	6	1.56E-13	0.17	1.91E+07
K37	9.40E-16	24	2.45E-15	0.09	1.04E+08
K42	7.74E-16	29	2.90E-15	0.04	4.73E+07
K46	1.28E-15	26	3.92E-15	0.16	1.24E+08
K47	5.65E-15	17	1.15E-14	0.05	8.73E+06
K49	1.45E-15	22	4.26E-15	0.08	5.45E+07
K50	6.67E-14	5	6.18E-15	0.46	6.77E+06
K55	4.40E-15	10	3.87E-15	0.03	7.46E+06
K56	2.37E-15	19	5.50E-15	0.01	2.49E+06
K58	9.02E-16	25	2.44E-15	0.11	1.23E+08
K60	6.50E-16	44	3.85E-15	0.07	1.04E+08
K62	3.25E-15	15	5.19E-15	1.20	3.66E+08
K65	1.58E-15	41	8.57E-15	0.02	1.51E+07
K67	9.07E-16	48	5.82E-15	0.01	7.09E+06
K69	5.07E-16	72	5.16E-15	0.02	3.43E+07
Total				3.69	1.85E+09
Radionuclide: Mixed Fission and Activation Products (μCi β)					
K52	-3.49E-15	132	6.79E-14	-0.19	5.30E+07
Total				-0.19	5.30E+07

* Typical lower limit of detection for 7-day sampling period.

** Based on low enriched uranium.

Liquid Effluent*					
July 1, 2001 - December 31, 2001					
Constituent	Concentration ($\mu\text{Ci/ml}$)	Error Estimate (%)	LLD	Quantity (Ci)	Liquid Volume (m^3)
U	<9.66E-8	30.0	**	<0.0084	8.68E + 4
Tc-99	2.40E-6	15.4	**	0.208	
Total (U + Tc-99)				<0.2164	

* Combined liquid effluent released to City of Richland sewer system.

** These constituents are analyzed chemically via Inductively Coupled Plasma/Mass Spectroscopy (ICP/MS) as opposed to radiation counting. Laboratory detection limits for uranium and Tc-99 are 1 part per billion and 5 parts per trillion, respectively.

Solid Effluent				
July 1, 2001 - December 31, 2001				
Number of Shipments	Mode of Transportation	Destination	Volume (m³)	Quantity* (Ci)
2	Truck	U.S. Ecology Richland, WA	40.8	1.028
10	Truck	Envirocare Clive, UT	268.5	0.121
Total			309.3	1.149

* Based on 3.4 wt% enriched uranium.