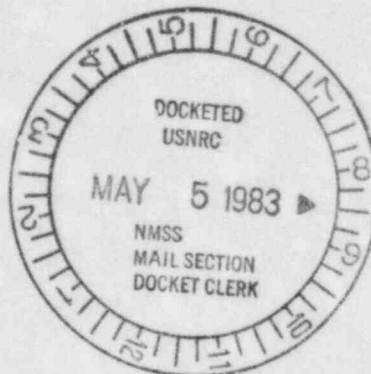


EXXON NUCLEAR COMPANY, Inc.

2101 Horn Rapids Road
P. O. Box 130, Richland, Washington 99352
Phone: (509) 375-8100 Telex: 15-2878

70-1257
PDR
Return
to 39655

April 19, 1983



Mr. W. T. Crow, Section Leader
Uranium Process Licensing Branch
Division of Fuel Cycle and Material Safety
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

License No. SNM-1227
Docket No. 70-1257

Dear Mr. Crow:

Condition No. 20 of License No. SNM-1227 requires the Exxon Nuclear stack gas fluoride monitoring system to be submitted to the State by December 15, 1981 for approval and to have the State-approved system operational within 60 days of approval.

A request for approval of the Exxon Nuclear monitoring method for fluoride in stack gases was submitted to the State on October 26, 1981 (Enclosure 1).

Several telephone conversations were held with Department of Ecology (DOE) personnel on this subject. The result of these communications was the conduct of a series of sample tests primarily to determine if there was a fluoride loss in the sample line prior to the fluoride collector sample. The sample line loss was determined to be less than 1% of the total stack emission. The results of the test were forwarded to the Department of Ecology (Enclosure 2).

The Department of Ecology subsequently approved the Exxon Nuclear method (Enclosure 3).

Since sample line loss was less than 1% of total stack emission, determination of line loss as a part of the standard sampling procedure is not required. It should also be noted that the State has approved modifications to the Exxon Nuclear fluoride monitoring frequency. This subject will be addressed separately as a request for amendment to our license.

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C PDR

AN AFFILIATE OF EXXON CORPORATION

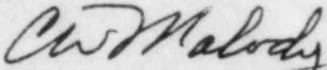
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April 19, 1983

The requirements of License Condition No. 20 have been met in that a state-approved system for monitoring fluoride emissions in stack gases is operational.

Very truly yours,

A handwritten signature in cursive script, reading "C. W. Malody".

C. W. Malody, Manager
Licensing & Compliance,
Operating Facilities

EXXON NUCLEAR COMPANY, Inc.

E, |

2101 Horn Rapids Road

P. O. Box 130, Richland, Washington 99352

Phone: (509) 375-8100 Telex 15-2878

ENCLOSURE 1

October 26, 1981

Mr. Alan Newman
Department of Ecology
Central Regional Office
3601 West Washington
Yakima, WA 98903

Dear Mr. Newman:

As discussed in an earlier telecon, one of the conditions of our NRC license NRC-1227 is that designated plant stacks be routinely sampled for fluoride. As a result of our license renewal application, the NRC has placed a requirement that the fluoride method proposed by ENC be approved by the State of Washington. Enclosed is a copy of Report XN-NF-549, which contains the results of a two month sampling study conducted during the fourth quarter of 1979. Attachment 1 of the report describes the sampling method and Attachment 2 describes the analytical procedure used. We hereby request written approval of the methods described in XN-NF-549.

I greatly appreciate your assistance in this matter.

Sincerely,

C. W. Malody
C. W. Malody, Manager
Licensing & Compliance,
Operating Facilities

CWM:els
Enclosure

cc: W.T. Crow - USNRC (w/Att.)

Doc: DJ Hill (w/o Att.)
R. Hill (w/Att.)
NS Wing (w/o Att.)

~~8111254241~~

PDR