

JUN 28 1985

DOCKET NO: 70-1257  
LICENSEE: Exxon Nuclear Company, Inc. (ENC)  
Richland, Washington  
SUBJECT: AMENDMENT APPLICATION, DATED JUNE 26, 1985,  
RE: MODIFICATION OF CRITICALITY ALARM MONITOR  
SYSTEM

Background

ENC is required to maintain a criticality monitor alarm system in an operating condition per 10 CFR 70.24(a).

Discussion

In the subject amendment application, ENC requests authorization to shutdown the system to replace major components of the system. During the replacement activities, all material processing operations in affected areas will be shutdown. Health Physics personnel will conduct surveys in affected areas during the shutdowns.

Conclusion/Recommendation

The staff finds that the shutdown of operations minimizes the risk of accidental criticality. Area surveys provide a reasonable alternate measure during the alarm system shutdown. Approval of the exemption to 10 CFR 70.24(a) is recommended.

161  
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Uranium Fuel Licensing Branch  
Division of Fuel Cycle and  
Material Safety, NMSS

Original signed by  
Approved by: Glenn A. Terry for  
W. T. Crow, Section Leader

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