

# PART 2.790(d) INFORMATION

JUN 18 1984

MEMORANDUM FOR: R. R. Keimig, Chief, Safeguards Section  
FROM: H. Zibulsky, Chemist  
SUBJECT: SAFEGUARDS REVIEW REPORT - REVISION TO UNION CARBIDE CORPORATION FUNDAMENTAL NUCLEAR MATERIAL CONTROL PLAN FOR THE STERLING FOREST RESEARCH CENTER, TUXEDO, NEW YORK

## Background

Union Carbide Corporation's (UCC) letter dated May 1, 1984 transmitted three changes to their Fundamental Nuclear Material Control Plan (FNMCP). A description of the changes and an evaluation of their acceptability is presented below.

## Evaluation

Section 3.1.E.(p.16) - This was amended to eliminate specific uranium concentration parameters where delayed neutron activation analysis can be used for U-235 analysis in solution form.

Comment - This change gives the licensee a wider range of uranium concentration where the delayed neutron activation analysis can be used for U-235 determination. This change is considered acceptable.

Section 3.3.4 (p.18) - This section was amended to change the size of the calibrated flasks from 3 liters to 4 liters for the fission product waste solutions.

Comment - The change allows the licensee to process more dilute solutions of fission product waste. This will not reduce the effectiveness of the FNMCP. The change is considered acceptable.

Section 7.3.d(p.67) - This amendment allows the licensee to either assay total uranium or uranium-235 instead of just total uranium for the SNM in waste form to be processed for recovery.

Comment - This change enables the licensee to use an alternate method of analysis for the waste material to be recovered. This change will not reduce the effectiveness of the FNMCP and is considered acceptable.

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The changes described above would not have any significant adverse effect on other safeguards or health and safety subsystems.



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Chief, SGFF/NMSS

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