

LETTER REPORT

January 7, 1981

Accession No. _____
Contractors Report No. _____

Contract Program or Project Title: Safeguards for Proliferation Resistant
Fuel Cycles

Subject of this Document: Progress reported for October 1980

Type of Document: Informal monthly progress report

Author(s): Jerry J. Cadwell

Date of Document: December 11, 1980

Responsible NRC Individual and NRC Office or Division _____

Richard C. Robinson, Safeguards Research Branch, SAFER:RES

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Prepared for
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Washington, D.C. 20555

NRC FIN NO. A3221

LETTER REPORT

NRC Research and Technical
Assistance Report



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December 11, 1980

Mr. R.C. Robinson
Division of Safeguards Fuel Cycle
and Environmental Research
U.S. Nuclear Regulatory Commission
MS 1130-SS
Washington, D.C. 20555

Ref. Contract #60i9301
FINA3221

Dear Mr. Robinson:

The following letter report for October 1980 is submitted in conformance with the contractual requirements of the referenced contract.

On October 3, five copies of a draft BNL report entitled "A Suggested Ranking for Seven Selected Fuel Cycles", dated October 3, was mailed to your office for your comments.

On October 3, five copies of a draft BNL report entitled "Safeguards Licensing Concerns Associated with Several Proposed Fuel Cycles", dated October 3, was mailed to your office for your comments.

On October 28, a project charge description was submitted per your request.

The following is a status report and title classification for each of the reports.

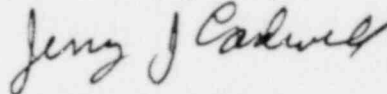
1. Title: "Technical Safeguards Issues for Selected Fuel Cycles". Draft submitted for NRC comment September 5, 1980.
2. Title: "Safeguards Licensing Concerns Associated with Several Proposed Fuel Cycles". Draft submitted for NRC comment October 2, 1980.
3. Title: "Detection of Special Nuclear Materials at Portal Monitors and Location and Recovery of Contraband Special Nuclear Materials: Legal and Technical Problems". Status - written. and submitted for technical editing. (Formerly entitled An Evaluation of the Legal Problems Associated with Detection and Location of Spiked Fuel.)

NRC Research and Technical
Assistance Report

4. Title: "A Suggested Ranking for Several Selected Fuel Cycles". Draft submitted for NRC comment October 3, 1980.
5. Title: "A Review of the Licensing Reform Bills as they Affect Selected Fuel Cycles". Status - all materials collected, report now in preparation.
6. Title: "Institutional Issues Associated with Spent Fuel Storage Under Domestic and International Auspices". Status; now in preparation. (Former title Institutional and Legal Issues Associated with Long Term Storage of Spent Fuel.)
7. Title: "An Examination of NRC's Role in International Nuclear Commerce". Status - now in preparation.

Attached to this letter is a budget expense comparison showing monthly and cumulative costs.

Sincerely yours,



Jerry J. Cadwell
Technical Support Organization

JJC/lim

cc: J. O'Brien
J.H. Cusack