



Washington State University

Nuclear Radiation Center

Pullman, WA 99164-1300

509-335-8641

FAX 509-335-4433

March 14, 1994

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Ref: Docket 50-27

Dear Sir:

In accordance with the requirements of 10 CFR 50.64(C)(2), Washington State University hereby officially notifies the Commission that funds for the actual conversion of the WSU reactor from HEU to LEU will not be available during fiscal year 1994. However, Washington State University has received a grant (No. DE-FG02-92ER75748) from the DOE which provides \$106,094.00 for the first year (August 16, 1992 through August 14, 1993) of a two year project to accomplish the safety analysis phase of the conversion. A copy of the Notice of Financial Assistance Award is enclosed. We are in the process of doing the neutronics calculations necessary to write the Safety Analysis Report for the low enriched uranium replacement fuel.

The DOE has requested Washington State University to apply for several no fund extensions to the first year grant. The last extension application is enclosed for your information. Dr. Larry Barker of DOE has assured us that the DOE plans to fund the second year of our proposed study for the safety analysis report.

A serious problem has arisen concerning the reactivity of the proposed LEU fuel replacement for FLIP fuel. In a mixed core of LEU and the old STANDARD fuel we find configurations with unacceptable power peaking that did not occur in mixed cores of FLIP and standard. In other words, the proposed LEU is not as safe as our current FLIP fuel.

Washington State University will notify the Commission should circumstances change and will submit the required certification letter for fiscal year 1995 by May 27, 1995 or the required conversion proposal.

Sincerely,

Gerald E. Tripard
Director

GET/pw

Enclosure

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U.S. DEPARTMENT OF ENERGY
NOTICE OF FINANCIAL ASSISTANCE AWARD

Under the authority of Public Law 95-91, U. S. Department of Energy Organization Act
subject to legislation, regulations and policies applicable to (cite legislative program title) _____ and
University and Science Education Programs

1. PROJECT TITLE Reactor Fuel Conversion Assistance Request		2. INSTRUMENT TYPE <input checked="" type="checkbox"/> GRANT <input type="checkbox"/> COOPERATIVE AGREEMENT	
3. RECIPIENT (Name, address, zip code, area code and telephone No.) Washington State University Pullman, WA 99164-3140 (509) 335-3535		4. INSTRUMENT NO. DE-FG02-92ER75748	5. AMENDMENT NO. M002
6. BUDGET PERIOD FROM: 8/15/92 THRU: 3/31/94		7. PROJECT PERIOD FROM: 8/15/92 THRU: 8/14/94	
8. RECIPIENT PROJECT DIRECTOR (Name and telephone No.) Gerald E. Tripard (509) 335-0172		10. TYPE OF AWARD NEW <input type="checkbox"/> REVISION <input checked="" type="checkbox"/> CONTINUATION <input type="checkbox"/> SUPPLEMENT <input type="checkbox"/> RENEWAL <input type="checkbox"/> OTHER <input type="checkbox"/>	
9. RECIPIENT BUSINESS OFFICER (Name and telephone No.) R. V. Smith (509) 335-3535		12. ADMINISTERED FOR DOE BY (Name, address, zip code, telephone No.) Mary Lou Zambrano, Contract Specialist U.S. Department of Energy 9800 South Cass Avenue Argonne, IL 60439 708/252-2077	
11. DOE PROJECT OFFICER (Name, address, zip code, telephone No.) Larry L. Barker, ST-511 U.S. Department of Energy Washington, DC 20585 (202) 586-8947			
13. RECIPIENT TYPE <input type="checkbox"/> STATE GOVT <input type="checkbox"/> INDIAN TRIBAL GOVT <input type="checkbox"/> HOSPITAL <input type="checkbox"/> FOR PROFIT ORGANIZATION <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL GOVT <input checked="" type="checkbox"/> INSTITUTION OF HIGHER EDUCATION <input type="checkbox"/> OTHER NONPROFIT ORGANIZATION <input type="checkbox"/> C <input type="checkbox"/> P <input type="checkbox"/> SP <input type="checkbox"/> OTHER (Specify) _____			
14. ACCOUNTING AND APPROPRIATIONS DATA			15. EMPLOYER I.D. NUMBER/SSN 91-6001108
a. Appropriation Symbol	b. B&R Number	c. FT/APP/OC	
			d. CFA Number

16. BUDGET AND FUNDING INFORMATION			
a. Current Budget Period Information		b. Cumulative DOE Obligations	
(1) DOE Funds Obligated This Action	\$ -0-	(1) This Budget Period	\$ 106,094.00
(2) DOE Funds Authorized for Carry Over	\$ -0-	[Total of lines a.(1) and a.(3)]	
(3) DOE Funds Previously Obligated in This Budget Period	\$ 106,094.00	(2) Prior Budget Periods	\$ -0-
(4) DOE Share of Total Approved Budget	\$ 106,094.00	(3) Project Period to Date	\$ 106,094.00
(5) Recipient Share of Total Approved Budget	\$ -0-	[Total of lines b.(1) and b.(2)]	
(6) Total Approved Budget	\$ 106,094.00		

17. TOTAL ESTIMATED COST OF PROJECT

(This is the current estimated cost of the project. It is not a promise to award nor an authorization to expend funds in this amount.)
\$ N/A

18. AWARD/AGREEMENT TERMS AND CONDITIONS

This award/agreement consists of this form plus the following:

- a. Special terms and conditions (if grant) or schedule, general provisions, special provisions (if cooperative agreement)
- b. Applicable program regulations (specify) _____ (Date) _____ N/A
- c. DOE Assistance Regulations, 10 CFR Part 600, as amended, Subparts A and B (Grants) or C (Cooperative Agreements).
- d. Application/proposal dated 07/24/92 & 12/6/93 as submitted with changes as negotiated

19. REMARKS

This amendment extends the budget period completion date from 12/31/93 to 3/31/94. All other terms and conditions remain the same

20. EVIDENCE OF RECIPIENT ACCEPTANCE

(Signature of authorized recipient) _____ (Date) _____

21. AWARDED BY

(Signature) _____ (Date) _____



Washington State University

Nuclear Health and Safety Center

EMPHIS, WA 99103-1300
PHONE 509-264-1111
FAX 509-264-1414

March 7, 1994

Mary Lou Zambrano
Contract Specialist, Contracts Division
Department of Energy
Chicago Operations Office
9800 South Cass Avenue
Argonne, IL 60439

Dear Ms. Zambrano:

As per our telephone conversation of March 4, 1994, this letter is to request a no fund extension for grant no. DE-FG02-92ER75748 through June 30, 1994. The current grant period is August 15, 1992 through March 31, 1994.

Sincerely,

A handwritten signature in cursive script that reads "G. Tripard".

Gerald E. Tripard
Director

GET/pw