



COLLEGE OF ENGINEERING
DEPARTMENT OF NUCLEAR ENGINEERING
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BERKELEY, CALIFORNIA 94720

August 1, 1989

Docket No. 50-224
License No. R-101

Mr. Alexander Adams, Jr., Project Manager
Standardization and Non-Power Reactor
Project Directorate
Division of Reactor Projects III, IV, V
and Special Projects
Office of Nuclear Reactor Regulation
Washington, D.C. 20555

Ref: Fuel Shipment to DOE or DOE Designated Facilities

Dear Mr Adams:

1. On July 10, 1989, the University of California completed shipment of 111 irradiated fuel elements to the DOE facility in Idaho Falls.
2. On July 31, 1989, the University of California completed fuel shipment of 9 new unirradiated fuel elements to the DOE designated Reactor facilities. Four new fuel elements were shipped to Reed College in Portland, Oregon and 5 new fuel elements were shipped to the University of California at Irvine.

With this last shipment, the University of California has completed returning or transferring all the TRIGA III fuel to DOE or DOE designated facilities.

Sincerely,

Tek H. Lim
Acting Reactor Administrator

THL/jmh

Attachments: 5 individual copies of Form 741

cc: K. Fowler, Chairman, Dept. of Nuclear Engineering, w/o attachments
T. Budinger, Chairman, Reactor Hazards Committee, w/o attachments
A. Peterson, Associate Director, EH&S, w/o attachments

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PDR ADOCK 05000224
P PMU

A020
11

Fuel Handling Unit (rod) Serial Numbers
for 6/24/89 Shipment

4310	6160
4311	6153
5666	4206
4185	4301
4214	5642
4215	6151
4296	5636
7922	5639
7923	7152
7924	7153
5644	7154
4162	7157
5640	7156
5638	7155
4229	6154
6155	6152
6157	5643
5641	4232
4147	

Fuel Handling Unit (rod) Serial Numbers
for 7/1/89 Shipment

5670	4233
4313	4213
4302	4216
4194	4225
4222	4227
4160	4199
4164	4300
4230	4183
4145	4224
4148	4167
4184	4192
6159	4195
4150	4198
4208	4204
4226	4298
4223	4200
4158	4207
4165	4155
	4170

Fuel Handling Unit (rod) Serial Numbers
for 7/8/89 Shipment

4314	4201
4315	4172
4217	4181
4219	4189
4175	4202
4178	4176
4203	4179
4187	4210
4180	4218
4168	4221
4151	4231
4297	4212
4299	4169
4163	4182
4209	4197
4156	4190
4171	4191
4220	4177
	4211

U.S. DEPARTMENT OF ENERGY AND U.S. NUCLEAR REGULATORY COMMISSION
NUCLEAR MATERIAL TRANSACTION REPORT

(7-80) Previous editions are obsolete.
MANDATORY DATA COLLECTION
AUTHORIZED BY 10 CFR 30.40, 50.70,
75, 150, Public Law 83-703, 93-438, 95-91

1. SHIPPER'S BIZ ZSM	2. RECEIVER'S BIZ ZSM	3. TRANSACTION NO. 5	4. CORRECTION NO. 1512	5. PROCESSING CODE (18) SHIPPER RECEIVER	6. RESERVED (19)	7. ACTION CODE (19) SHIPPER A RECEIVER	8. DATA CODE (19)	9. DOCUMENTATION (Only if document is classified SECRET)	10. COPIES OF	11. NO. OF DATA LINES (110-21)	12. NATURE OF TRANSACTION (122)	13. A. SHIPPED TO ACCOUNT OF ZCT	14. A. SHIPPED TO ACCOUNT OF B 848 1123 261 ZSM	15. DISTRIBUTION OF COPIES 1 ZCT 7 ZSM 3 QFA	
9. A. NAME AND ADDRESS OF SHIPPER University of California Department of Nuclear Engineering Etcheberry Hall Berkeley, CA 94720 C. ATTENTION Tek Lim D. TELEPHONE 415-642-5213		10. A. NAME AND ADDRESS OF RECEIVER Reed Reactor Facility Reed College Portland, Oregon 97202 C. ATTENTION Prof. Lawrence Ruby D. TELEPHONE 503-777-7222		8. LICENSE NO. R-112		11. A. SHIPPED FOR ACCOUNT OF SAME		12. NATURE OF TRANSACTION SAME		13. A. SHIPPED TO ACCOUNT OF ZCT		14. A. SHIPPED TO ACCOUNT OF B 848 1123 261 ZSM		15. DISTRIBUTION OF COPIES 1 ZCT 7 ZSM 3 QFA	
16. EXPORT OR IMPORT TRANSFER: A. LICENSE NO. 3122 311 B. U.S. PORT ESTIMATE 312 261													17. MATERIAL TYPE AND DESCRIPTION 01 Fabricated Fuel Elements (unirradiated), 02 Fission Chamber 01 Uranium <20% enriched in U-235 02 Uranium 90% enriched in U-235 014 Triple Fuel Rods Uranium-Zirconium Hydride 02 U2O3		
18. EXPORT OR IMPORT TRANSFER: A. LICENSE NO. 3122 311 B. U.S. PORT ESTIMATE 312 261													19. TRANSPORTATION PROFILE		
19. TRANSPORTATION PROFILE													20. ACTION DATE		
20. ACTION DATE													21. A. MISCELLANEOUS		
21. A. MISCELLANEOUS													22. TOTAL GROSS WEIGHT 245.86		

LINE NO.	ITEMS	IDENTIFICATION (BRANCH NAME)	NO. OF ITEMS	PRC. CT. NO./SER.	KEY PORT	GROSS WEIGHT	NET WEIGHT	ELEMENT WEIGHT	ELEMENT LIMIT OF ERROR	WEIGHT SOURCE	SYSTEM	ACTION
01	38R-DECOM-5	38-24 281 C	4	244 531 E	20 291 A	262 lbs.	30 lbs.	762 gms.	543 531 G	18.6	156 gms.	1
02	38R-DECOM-5	38-24 281 C	1	244 531 E	20 291 A	400 lbs.	2 lbs.	2 gms.	543 531 G	90%	2 gms.	1

23. SHIPPER'S DATA
7/13/89 Michael J. McMiller, Reed Reactor Health Physicist

24. SHIPPER'S DATA

25. RECEIVER'S DATA

18. U.S.C. SECTION 10101, ACT OF MARCH 15, 1954, AS AMENDED, AND DATE SIGNED (SEE INSTRUCTIONS FOR SIGNATURES TO BE SIGNED BY AUTHORIZED OFFICIALS) AND DATE SIGNED (SEE INSTRUCTIONS FOR SIGNATURES TO BE SIGNED BY AUTHORIZED OFFICIALS)