



050-00002700R
The University of Michigan

MICHIGAN MEMORIAL - PHOENIX PROJECT
PHOENIX MEMORIAL LABORATORY FORD NUCLEAR REACTOR
ANN ARBOR, MICHIGAN 48109-2100

221AEA

L22938
Mid-Aug
Need 8/9

June 16, 1999

Mrs. Gloria M Bennington
Spent Fuel Project Office
OWFN-6 F-18
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mrs. Bennington:

Enclosed is a route approval request for the transportation of irradiated research reactor fuel in accordance with 10 CFR 73.

This route is a modification of the route submitted by the University of Michigan on December 14, 1998 and approved by your office on March 24, 1999. You will find copies of both the currently approved route (for reference) as well as the proposed new route summary.

The first requested modification to the approved route is to leave Ann Arbor via US-23 South and proceed directly South to I-275 in Ohio. This modification has been requested by the state of Michigan and has received concurrence from the state of Ohio. Michigan considers US-23 as a more direct route passing through less heavily populated areas than I-94 East to I-275 South, which goes through the Detroit metropolitan area.

The second requested modification to the approved route is: to use I-75 South all the way through Tennessee and on to Atlanta, Georgia; then use US-20 East, I-520 and State Route 125 South to the Savannah River site. This modification has been requested by the state of Tennessee and has received concurrence from the states of Georgia and South Carolina. Tennessee considers I-75 South to be their primary route for all North-South hazardous goods shipments through their state. The state of Georgia is currently using US-20 for hazardous goods shipments to and from the Savannah River site. Savannah River site personnel have told us that using US-20 South to their Jackson Gate entrance is a better route than the older approach using State Route 19.

Michigan (with Ohio concurrence) is applying to the Department of Transportation to use US-23 South to I-75 in accordance with 49 CFR 397, *Routing Rules for Route-Controlled Quantities*. The proposed changes in Tennessee, Georgia and South Carolina use routes already approved by the Department of Transportation.

Please contact me at (734) 764-6220 if you have any questions.

Sincerely,

Christopher W. Becker
Reactor Laboratory Manager
cwbecker@umich.edu

NMOS



The University of Michigan

MICHIGAN MEMORIAL – PHOENIX PROJECT
PHOENIX MEMORIAL LABORATORY FORD NUCLEAR REACTOR
ANN ARBOR, MICHIGAN 48109-2100

encl:

1. Irradiated Reactor Fuel Route #159 Summary
2. Proposed Route Summary, University of Michigan, Ann Arbor MI to DOE Savannah River Plant, SC

xc:

John Lee, Interim Director, MMPP
Patty Watt, Interim Director, OSEH
Mark Driscoll, RSO
Heath Downey, HP
Bernard Ducamp

ROUTE MILEAGE SUMMARY
UNIVERSITY OF MICHIGAN, ANN ARBOR, MI TO DOE SAVANNAH RIVER PLANT, SC

STATE	WAYPOINT/INSTRUCTION	ROAD	DIR	TOWARDS	MILES TO NEXT WAYPOINT	CUMULATIVE MILES
MI	DEPART UNIV. OF MI	LOCAL	S	YPSILANTI	3	0
MI	TURN ON US-23	US-23	S	YPSILANTI	6	3
MI	TAKE I-84 TOWARDS I-275	I-84	E	FLAT ROCK	14	9
MI	AT I-275 GO SOUTH	I-275	S	ERIE	17	23
MI	TAKE I-75 TO OHIO	I-75	S	OHIO LINE	20	40
MI	STATE MILEAGE SUBTOTAL				60	
OH	CONTINUE ON I-75	I-75	S	TOLEDO	7	60
OH	TURN ON I-475	I-475	W/S	FINDLAY	20	67
OH	TAKE I-75 SOUTH	I-75	S	WILMINGTON DRY RIDGE	183	87
OH	GO TOWARDS CINCINNATI	I-275	S/E	KENTUCKY LINE	30	270
OH	STATE MILEAGE SUBTOTAL				240	
KY	CONTINUE ON I-275	I-275	S	DRY RIDGE	11	300
KY	TURN ON I-75	I-75	S	TENNESSEE LINE	185	311
KY	STATE MILEAGE SUBTOTAL				196	
TN	STAY ON I-75	I-75	S	KNOXVILLE	49	496
TN	TAKE I-640 TO I-40	I-640	E/S	MORRISTOWN	7	545
TN	TURN ON I-40	I-40	E/S	NORTH CAROLINA LINE	65	552
TN	STATE MILEAGE SUBTOTAL				121	
NC	CONTINUE ON I-40	I-40	E	ASHEVILLE	47	617
NC	AT I-26 GO SOUTH	I-26	S	SOUTH CAROLINA LINE	42	664
NC	STATE MILEAGE SUBTOTAL				89	
SC	CONTINUE ON I-26	I-26	S	GREENWOOD	107	706
SC	TAKE I-20 SOUTHWEST	I-20	SW	AIKEN	47	813
SC	TURN ON SC-19	SC-19	S	NEW ELLENTON	14	860
SC	CONTINUE ON SC-19	SC-19	S	FACILITY	6	874
SC	STATE MILEAGE SUBTOTAL				174	
ROUTE TOTAL						880

PROPOSED ROUTE - MILEAGE SUMMARY
UNIVERSITY OF MICHIGAN, ANN ARBOR, MI TO D.O.E. SAVANNAH RIVER, SC

STATE	WAYPOINT/INSTRUCTION	DIR	TOWARDS	MILES TO WAYPOINT	CUMULATIVE STATE MILES	TOTAL MILES
MI	Depart Univ of Michigan	E	Ypsilanti	3	3	
MI	US-23	S	Toledo, OH	33	36	36
CH	US-23 to I-475	S	Toledo	7	7	
CH	I-475 to I-75	W/S	Maumee	20	27	
CH	I-75	S	Dayton	154	181	
CH	I-75	S	Cincinnati	40	221	
CH	I-275 around Cincinnati	E/S	Covington, KY	29	250	286
KY	I-275 to I-75	S	Erlanger	11	11	
KY	I-75	S	Lexington	69	80	
KY	I-75	S	Knoxville, TN	116	196	482
TN	I-75	S	Knoxville	49	49	
TN	I-75	S	Chattanooga	116	165	647
GA	I-75	S	Atlanta	98	98	
GA	I-285	E	Around Atlanta	28	126	
GA	I-20	E	Augusta	148	274	
GA	I-520	S/E	Beech Island, SC	12	286	933
SC	State Route 125	E/S	Jackson Gate, Sav. River Site	11	11	944

SC-19
instruction
alter