

JAN 25 1983

Mr. R. J. Hart, Manager
Oak Ridge Operations Office
U. S. Department of Energy
P. O. Box E
Oak Ridge, Tennessee 37830

Dear Mr. Hart:

FY 1983 NUCLEAR REGULATORY RESEARCH ORDER NO. 60-83-143 FOR OAK RIDGE
NATIONAL LABORATORY

Please authorize Oak Ridge National Laboratory to execute the program
described in the enclosed NRC Order.

If this meets with your approval, it is requested that acceptance be
indicated on the enclosed form and the original be sent to the NRC
Office of Resource Management and one copy returned to this office.

Sincerely,

ORIGINAL SIGNED BY G. A. ARLOTTO

Guy A. Arlotto, Director
Division of Engineering Technology
Office of Nuclear Regulatory Research

Enclosures:

1. NRC Order
2. Program Brief

cc w/enclosures:

R. W. Barber, DOE/EP
J. Witherspoon, ORNL

DISTR

Subj
Circ
Chron
Riggs:rdg
A. Puglise, ORM
J. Mate, ORM
G. Arndt, DET
M. Vagins, DET
C. Feldman, DET
A. Taboada, DET
C. Serpan, DET
J. Muscara, DET
RES:D
Wylbur
Fin File
A. Eiss, DET

8506180039 850325
PDR FOIA
REYTBLAG5-143 PDR

RECORD NOTE: See previous 173's
for 1102

FOIA-85-143

62

OFFICE	RES:RMB	RES:RMB	RES:DET	RES:DET	RES:DET	RES:DET	RES:ARC8
SURNAME	Riggs	Forehand/Wayes	Anderson/Serpan	Steyer/Eiss	Shao	Arlotto	Gilliespie
DATE	1/2/83	1/2/83	1/18/83	1/18/83	1/19/83	1/19/83	1/23/83

60-83-143

STANDARD ORDER FOR DOE WORK

DATE

JAN 25 1984

ISSUED TO (DOE Office)

Oak Ridge Operations Office

ISSUED BY (NRC Office)

Division of Engineering
Technology

ACCOUNTING CITATION

APPROPRIATION SYMBOL

31X0200.603

B&R NUMBER

See Attached

FIN NUMBER

See Attached

PERFORMING ORGANIZATION AND LOCATION

Oak Ridge National Laboratory

WORK PERIOD THIS ORDER

FIXED ☐ESTIMATED ☒

FROM

10/1/82

TO

9/30/83

FIN TITLE

See Attached

OBLIGATION AVAILABILITY PROVIDED BY:

A. THIS ORDER

\$

4,605,000

B. TOTAL OF ORDERS PLACED PRIOR TO THIS DATE WITH THE PERFORMING ORGANIZATION
UNDER THE SAME "APPROPRIATION SYMBOL" AND THE FIRST FOUR DIGITS OF THE
"B&R NUMBER" CITED ABOVE

\$

7,485,000

C. TOTAL ORDERS TO DATE

(TOTAL A & B)

\$

12,090,000

D. AMOUNT INCLUDED IN "C" APPLICABLE TO THE "FIN NUMBER" CITED IN THIS ORDER.

\$

See Attached

FINANCIAL FLEXIBILITY:

- ☐ FUNDS WILL NOT BE REPROGRAMMED BETWEEN FINs. LINE D CONSTITUTES A LIMITATION ON OBLIGATIONS AUTHORIZED.
- ☒ FUNDS MAY BE REPROGRAMMED NOT TO EXCEED $\pm 10\%$ OF FIN LEVEL UP TO \$50K. LINE C CONSTITUTES A LIMITATION ON OBLIGATIONS AUTHORIZED.

STANDARD TERMS AND CONDITIONS PROVIDED DOE ARE CONSIDERED PART OF THIS ORDER
UNLESS OTHERWISE NOTED.

ATTACHMENTS:

THE FOLLOWING ATTACHMENTS ARE HEREBY
MADE A PART OF THIS ORDER:

- ☒ STATEMENT OF WORK - A9042
- ☐ ADDITIONAL TERMS AND CONDITIONS
- ☐ OTHER

SECURITY:

- ☒ WORK ON THIS ORDER IS NOT CLASSIFIED
- ☐ WORK ON THIS ORDER INVOLVES CLASSIFIED
INFORMATION. NRC FORM 187 IS ATTACHED.

REMARKS: REF: SOEW #60-83-012 dated 10/21/82 for work scope and previous funding.
Also, SOEW #60-83-065 dated 11/18/82 and 60-83-071 dated 11/18/82

SIGNATURE *[Signature]*
Guy A. Ardott, Director

TITLE Division of Engineering Technology
Office of Nuclear Regulatory Research

ACCEPTING ORGANIZATION

SIGNATURE

TITLE

DATE

OAK RIDGE NATIONAL LABORATORY

FY 1983

(DOLLARS IN THOUSANDS)

<u>B&R NO.</u>	<u>FIN NO.</u>	<u>TITLE</u>	<u>FY 83 AMOUNT</u>	<u>PREVIOUSLY OBLIGATED</u>	<u>THIS OBLIG</u>
60190101	A9042-3	Technology and Costs of Termination Surveys Associated With Decommissioning of Nuclear Facilities	\$ 50	\$ 20	\$ 30
60190101	B0103-3	Additional Requirements For Materials	100	20	80
60190101	B0119-3	Heavy-Section Steel Technology	4,920	967	3,953
60190101	B0415-3	Pressure Vessel Simulation	319	65	254
60190101	B0417-3	Improved Eddy-Current Inservice Inspection For Steam Generator Tubing	175	30	145
60190101	B0484-3	Resident Engineer in Germany	128	25	103
60190101	B0489-3	Containment Leak Test Sensitivity Study	50	10	40
TOTAL			\$5,742	\$1,137	\$4,605

FY 1983 AMENDED PROJECT BRIEF

PROGRAM: DET

TITLE: TECHNOLOGY AND COSTS OF TERMINATION SURVEYS
ASSOCIATED WITH DECOMMISSIONING OF NUCLEAR
FACILITIES

FIN: A9042
CONTRACTOR: ORNL
SITE: OAK RIDGE
STATE: TENNESSEE

NRC PROGRAM MANAGER: CARL FELDMAN

PRINCIPAL INVESTIGATOR: J. WITHERSPOON

PERIOD OF WORK: 1/1/83 - 9/30/83

FY 1983 ADDITIONAL OBLIGATION: \$30K

BUDGET ACTIVITY: 60190101

OBJECTIVE:

THE PRIMARY OBJECTIVE OF THIS PROGRAM IS TO DEVELOP INFORMATION IN THE
AREAS OF TECHNOLOGY AND COSTS FOR PLANNING TERMINATION SURVEYS OF
RESIDUAL ACTIVITY FOR DECOMMISSIONING NUCLEAR FACILITIES.

SCOPE:

THE PROJECT IS A CONTINUATION OF WORK ALREADY BEING PERFORMED IN FY 1983
(DESCRIBED IN FY 1983 PROJECT BRIEF) PROVIDING A DATA BASE FOR ACCEPTABLE
RESIDUAL RADIOACTIVITY LEVELS REQUIRED FOR CONFIRMATORY TERMINATION
SURVEYS FOR UNRESTRICTED USE OF A NUCLEAR FACILITY. TECHNICAL SUPPORT TO
THE NRC STAFF FOR EXPLICIT DEVELOPMENT OF REGULATORY GUIDES IS REQUIRED.

FY 1983 GUIDANCE:

AN ADDITIONAL AMOUNT OF \$30K (ABOVE THE INITIAL FY 1983 \$20K COMMITMENT)
HAS BEEN ADDED TO THIS PROJECT TO ACCELERATE WORK INTENDED TO BE COMPLETED
IN FY 1984 BY FY 1983. FUNDING IS TO BE USED FOR TECHNICAL SUPPORT TO THE
NRC STAFF IN THE PREPARATION OF REGULATORY GUIDES.