

4654

**REVISED COST RECOVERY PROPOSAL FOR  
RCRA RESPONSE ACTIVITIES AT FERNALD FOR  
NEXT FIVE YEARS**

**07/22/93**

**OEPA/DOE-FN**

**32**

**LETTER**



State of Ohio Environmental Protection Agency

P.O. Box 1049, 1800 WaterMark Dr.  
Columbus, Ohio 43266-0149  
(614) 644-3020  
FAX (614) 644-2329

6-4888  
A.R.

4654

JUL 25 12 34 PM '93

George V. Voinovich  
Governor

Donald R. Schregardus  
Director

July 22, 1993

Mr. Thomas Rowland  
Site Manager  
U.S. DOE FEMP  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705

Dear Mr. Rowland:

We are attaching a revised cost recovery proposal reducing RCRA response activities at the Fernald site for the next five years. This revised proposal is the outcome of cost recovery and AIP negotiations that have occurred. This proposal is now one of the five components within the scope of the Department's commitment to provide the State of Ohio \$32.5 million over five years.

I would like to thank the DOE for the time and effort expended on this project. I would appreciate your prompt attention and expeditious review so that we can move forward on this important program.

If you have any specific questions, please contact me at (614) 644-2314.

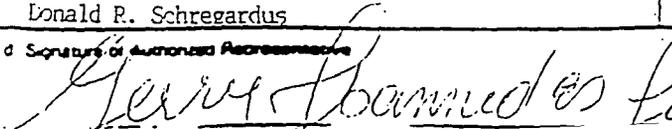
Sincerely,

Pat Campbell  
Division of Emergency and Remedial Response

cc: Ellen Livingston, DOE/HQ  
Jack Craig, U.S. DOE FEMP  
Wayne Hibbits, DOE Oakridge

001

**APPLICATION FOR FEDERAL ASSISTANCE**

<b>1. TYPE OF SUBMISSION:</b> Application <input type="checkbox"/> Construction <input type="checkbox"/> Pre-application Construction <input checked="" type="checkbox"/> Non-Construction <input type="checkbox"/> Non-application Construction		<b>2. DATE SUBMITTED</b> February 26, 1993	Applicant Identifier
		<b>3. DATE RECEIVED BY STATE</b>	State Application Identifier
		<b>4. DATE RECEIVED BY FEDERAL AGENCY</b>	Federal Identifier
<b>5. APPLICANT INFORMATION</b>			
Legal Name Ohio Environmental Protection Agency		Organizational Unit Emergency and Remedial Response	
Address (give city county, state and zip code)  1800 WaterMark Drive Columbus, Ohio 43215		Name and telephone number of the person to be contacted on matters involving this application (give area code) Patricia E. Campbell Ohio Environmental Protection Agency 1800 WaterMark Drive, Columbus, OH 43215 (614) 644-2314	
<b>6. EMPLOYER IDENTIFICATION NUMBER FEIN:</b> 3 1 6 4 0 2 0 4 7		<b>7. TYPE OF APPLICANT: (enter appropriate letter in box)</b> A State      H Independent School Dist. B County      I State Controlled Institution of Higher Learning C Municipal      J Private University D Township      K Indian Tribe E Interstate      L Individual F Intermunicipal      M Profit Organization G Social District      N Other (Specify)	
<b>8. TYPE OF APPLICATION:</b> <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision Revision enter appropriate letter(s) in boxes: <input type="checkbox"/> <input type="checkbox"/> A Increase Award      B Decrease Award      C Increase Duration D Decrease Duration      Other (Specify):		<b>9. NAME OF FEDERAL AGENCY:</b> United States Department of Energy 1000 Independence Ave. SW, Washington DC 20585	
<b>10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER:</b> 8 1 5 0 2 Title: Miscellaneous Federal Action		<b>11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT:</b> DOE Cost Recovery Grant to provide costs for oversight and monitoring at Fernald.	
<b>12. AREAS AFFECTED BY PROJECT (Cites, Counties, States, etc.)</b> State of Ohio - Hamilton County			
<b>13. PROPOSED PROJECT</b> Start Date: 1-1-93      Ending Date: 12-31-97      a. Account: 15th      b. Project: Statewide			
<b>15. ESTIMATED FUNDING</b> First Year Funding a. Federal: \$ 1-1-93 thru 12-31-93 1,723,530.00 b. Applicant: \$ .00 c. State: \$ .00 d. Local: \$ .00 e. Other: \$ .00 f. Program Income: \$ .00 g. TOTAL: \$ 1,723,530.00		<b>16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?</b> a. YES THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER-12372 PROC FOR REVIEW ON DATE Submitted at time of application b. NO <input type="checkbox"/> PROGRAM IS NOT COVERED BY E.O. 12372 <input type="checkbox"/> OR PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW	
		<b>17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT?</b> <input type="checkbox"/> Yes      If "Yes," attach an explanation. <input checked="" type="checkbox"/> No	
<b>18. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT. THE DOCUMENT HAS BEEN FULLY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED</b>			
a. Typed Name of Authorized Representative Donald R. Schregardus		b. Title Director	c. Telephone number 614/644-2862
d. Signature of Authorized Representative 			e. Date Signed 2/26/93

# BUDGET INFORMATION — Non-Construction Programs

## SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1.		\$	\$	\$	\$	\$
2.						
3.						
4.						
5. TOTALS		\$	\$	\$	\$	\$

## SECTION B - BUDGET CATEGORIES

Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY					Total (5)
	(1) Year One	(2)	(3)	(4)	(5)	
a. Personnel	\$ 293,044	\$	\$	\$	\$	\$ 293,044
b. Fringe Benefits	79,650					79,650
c. Travel/Training	37,852					37,852
d. Equipment	330,324					330,324
e. Supplies	31,245					31,245
f. Contractual	569,128					569,128
g. Construction	0					0
h. Other	314,943					314,943
i. Total Direct Charges (sum of 6a-6h)	1,656,186					1,656,186
j. Indirect Charges	67,344					67,344
k. TOTALS (sum of 6i and 6j)	\$ 1,723,530	\$	\$	\$	\$	\$ 1,723,530

7. Program Income						
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**EXECUTIVE SUMMARY for  
U.S. D.O.E. FERNALD GRANT /  
COST RECOVERY FFY 1993-1997**

**COST PER YEAR AND COST PER ITEM FOR  
FFY 1993-1997**

	1993	1994	1995	1996	1997	TOTAL
PERSONNEL	\$293,044	\$401,429	\$417,487	\$434,187	\$451,554	\$1,997,701
FRINGE	\$79,650	\$109,109	\$113,474	\$118,011	\$122,731	\$542,975
INDIRECT	\$67,344	\$92,254	\$95,944	\$99,782	\$103,774	\$459,098
SUPPLIES	\$31,245	\$31,245	\$31,245	\$31,245	\$31,245	\$156,225
TRAINING	\$37,852	\$37,852	\$37,152	\$37,852	\$37,152	\$187,860
EQUIPMENT	\$330,324	\$67,036	\$69,887	\$72,888	\$76,032	\$616,167
CONTRACT	\$569,128	\$631,807	\$624,497	\$555,569	\$556,506	\$2,937,507
OTHER	\$314,943	\$695,380	\$639,759	\$610,028	\$627,247	\$2,887,357
TOTAL	\$1,723,530	\$2,066,112	\$2,029,445	\$1,959,562	\$2,006,241	\$9,784,890

**EXECUTIVE SUMMARY for  
U.S. D.O.E. FERNALD GRANT /  
COST RECOVERY FFY 1993-1997**

**COST PER TASK AND COST PER ITEM FOR  
FFY 1993-1997**

	PERSONNEL	FRINGE	INDIRECT	SUPPLIES	TRAINING	EQUIPMENT	CONTRACT	OTHER	TOTAL
TASK 1	\$1,023,714	\$278,246	\$235,264	\$82,390	\$128,990	\$26,150	\$2,730,328	\$199,039	\$4,704,121
TASK 2	\$87,636	\$23,819	\$20,139	\$3,900	\$11,090	\$0	\$14,646	\$19,728	\$180,958
TASK 3	\$61,675	\$16,762	\$14,174	\$1,750	\$4,370	\$0	\$0	\$11,664	\$110,395
TASK 4	\$38,390	\$10,436	\$8,823	\$700	\$2,100	\$577,217	\$70,926	\$204,432	\$913,024
TASK 5	\$64,553	\$17,546	\$14,834	\$1,085	\$14,010	\$0	\$0	\$13,314	\$125,342
TASK 6	\$48,855	\$13,278	\$11,227	\$4,800	\$3,500	\$0	\$4,829	\$20,428	\$106,917
TASK 7	\$89,568	\$24,345	\$20,584	\$8,800	\$7,000	\$2,800	\$8,971	\$16,075	\$178,143
TASK 8	\$187,281	\$50,904	\$43,041	\$18,400	\$3,500	\$0	\$10,962	\$41,604	\$355,692
TASK 9	\$48,855	\$13,278	\$11,227	\$4,800	\$0	\$0	\$0	\$4,100	\$82,260
TASK 10	\$188,956	\$51,358	\$43,425	\$16,000	\$3,500	\$0	\$82,370	\$59,738	\$445,347
TASK 11	\$97,710	\$26,558	\$22,455	\$9,600	\$6,300	\$0	\$9,646	\$19,788	\$192,057
TASK 12	\$60,508	\$16,445	\$13,905	\$4,000	\$3,500	\$10,000	\$4,829	\$20,428	\$133,615
TASK 13	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$734,805	\$734,805
TASK 13B	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,522,214	\$1,522,214
TOTAL	\$1,997,701	\$542,975	\$459,098	\$156,225	\$187,860	\$616,167	\$2,937,507	\$2,887,357	\$9,784,890

TASK NO. 7, RCRA OVERSIGHT

JAN. 1, 1993 TO DEC. 31, 1997

PROGRAM: HAZARDOUS WASTE MANAGEMENT

TASK NARRATIVE:

- To provide expertise in regard to review comment and assessment of applicable hazardous waste regulation closure plans and closure activities, waste minimization plans, background studies annual reports, waste and residue characterization plans, hazardous waste release information, and hazardous and mixed waste inventories. Collect samples of hazardous and mixed waste on and potentially off facility property. Provide expertise in regard to engineering design, research, review and distribute information associated with any RCRA hazardous waste management units at the facility. Coordinate RCRA program activities of the Ohio EPA with other Ohio EPA divisions and state agencies with regard to corrective action, ground water monitoring and waste management activities.

TASK 7, Hazardous Waste Management  
SALARY

POSITION/CLASS	WORKING TITLE	FTE'S %	FTE'S Hours	Annual SALARY	1993 SALARY	1994 SALARY	1995 SALARY	1996 SALARY	1997 SALARY	TOTAL SALARY
Environ. Spec II	Project MGR	55%	1,144	\$32,724	\$13,139	\$17,998	\$18,718	\$19,467	\$20,246	\$89,568
Totals					\$13,139	\$17,998	\$18,718	\$19,467	\$20,246	\$89,568

		1993	1994	1995	1996	1997	TOTAL
FRINGE		\$3,571	\$4,892	\$5,088	\$5,291	\$5,503	\$24,345
INDIRECT		\$3,019	\$4,136	\$4,302	\$4,474	\$4,653	\$20,584
SUPPLIES		\$1,760	\$1,760	\$1,760	\$1,760	\$1,760	\$8,800
TRAVEL	TRAINING	\$1,400	\$1,400	\$1,400	\$1,400	\$1,400	\$7,000
EQUIPMENT		\$2,800	\$0	\$0	\$0	\$0	\$2,800
CONTRACT		\$1,912	\$1,728	\$1,756	\$1,776	\$1,799	\$8,971
OTHER		\$2,962	\$2,962	\$3,269	\$3,381	\$3,501	\$16,075
GRAND TOTAL		\$30,563	\$34,876	\$36,293	\$37,549	\$38,862	\$178,143

TASK NO. 7

SUPPLIES:

8,800

- A) Consumable office supplies to consist of necessary supplies for day-to-day office operation; example: paper, pencils, pens, folders, notebooks, memo paper.

.55 FTE x 700 = 385

- B) Safety and Sampling supplies, include but not limited to vinyl gloves, nitrite gloves, leather gloves, latex boot covers, tyvek, saranex, coveralls, refresher wipes, face shields, safety glasses, respirator cartridges, logbooks (weather resistant), plastic garbage bags, polyethylene sheeting, kaydry towels, stainless steel pans, stainless steel small spoons, stainless steel large spoons, duct tape, ph paper, chin-n-soil, ice, coolers, and package materials.

.55 FTE x 2,500 = 1,375

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru	1-1-94 thru	1-1-95 thru	1-1-96 thru	1-1-97 thru
	12-31-93	12-31-94	12-31-95	12-31-96	12-31-97
	1,760	1,760	1,760	1,760	1,760

TASK NO. 7

TRAVEL:

7,00

Travel provides for in-state and out-of-state by the Division of Hazardous Waste Management for trips, conferences for project related work:

	Transportation =====	Lodging =====	Meals =====	Misc. =====	Total =====
In-State Travel Overnight to Site (20 Nights)		1,000	400		1,400
		AVG.	AVG.		===== 1,400

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru	1-1-94 thru	1-1-95 thru	1-1-96 thru	1-1-97 thru
	12-31-93	12-31-94	12-31-95	12-31-96	12-31-97
	1,400	1,400	1,400	1,400	1,400

TASK NO. 7

EQUIPMENT: 2,800  
SAFETY AND MONITORING EQUIPMENT: 2,800

A) Misc Radiology Equipment (field work)

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru	1-1-94 thru	1-1-95 thru	1-1-96 thru	1-1-97 thru
	12-31-93	12-31-94	12-31-95	12-31-96	12-31-97
	2,800	0	0	0	0

Years 3 through 5 will have a projected increase of 4%.

TASK NO. 7

CONTRACTUAL

9,228

MEDICAL MONITORING:

802

Physician Fee:

- A) Baseline Examination (1st year)
- B) Annual Examination (2-5 years)

216

142

===

TOTAL

358

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru	1-1-94 thru	1-1-95 thru	1-1-96 thru	1-1-97 thru
	12-31-93	12-31-94	12-31-95	12-31-96	12-31-97
	216	142	148	148	148

Years 3 through 5 will have a projected increase of 4%.

TASK NO. 7

CONTRACTUAL (contd')

LABORATORY TESTS:

5,517

A)	Radiobioassay Service	Price <10	Price >=10
1.	Tritium	35.00	21.00
2.	Radium 226	115.00	75.00
3.	Isotopic Uranium	105.00	69.00
4.	Isotopic Thorium	115.00	75.00
5.	Isotopic Plutonium	121.00	81.00
6.	Total Uranium	35.00	23.00

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru	1-1-94 thru	1-1-95 thru	1-1-96 thru	1-1-97 thru
	12-31-93	12-31-94	12-31-95	12-31-96	12-31-97
	1,052	1,052	1,052	1,052	1,052

Years 3 through 5 will have a projected increase of 4%.

SPECIAL TESTING:

1,618.00

Tetanus/Diphtheria Booster	12.00
PCB Level	73.00
Lead Level	52.00
Zinc Protoporphyrin	52.00
Audiometric Testing	19.00
Chest X-Ray PA View	48.00
Electrocardiogram	42.00
Vision Testing	11.00

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru	1-1-94 thru	1-1-95 thru	1-1-96 thru	1-1-97 thru
	12-31-93	12-31-94	12-31-95	12-31-96	12-31-97
	309	309	321	333	346

Years 3 through 5 will have a projected increase of 4%.

TASK NO. 7

CONTRACTUAL (contd')

DOSIMETRY SERVICE:

398

Quantity  
21-50

Quarterly Charge per Badg  
5.25

Analyze returned badges quarterly for Gamma and Beta radiation in addition any other standard analysis.

Lost Badges 8.90 per

Per Year  
17.00

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru	1-1-94 thru	1-1-95 thru	1-1-96 thru	1-1-97 thru
	12-31-93	12-31-94	12-31-95	12-31-96	12-31-97
	76	76	79	82	85

Years 3 through 5 will have a projected increase of 4%.

TASK NO. 7

CONTRACTUAL (contd')

8 HOUR REFRESHER TRAINING:

893

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru 12-31-93	1-1-94 thru 12-31-94	1-1-95 thru 12-31-95	1-1-96 thru 12-31-96	1-1-97 thru 12-31-97
	259	149	156	161	168

Years 3 through 5 will have a projected increase of 4%.

The training course is required by OSHA 29 CFR 1910.120(e) and is done by contractual obligation.

The course curriculum should include at a minimum the following topics:

1. Hazard Recognition
2. Medical Surveillance
3. Air Surveillance
4. Protective Clothing
5. Respiratory Protection
6. Contamination Control
7. Site Entry Considerations
8. Quantitative Fit Test
9. Site Safety Plans

TASK NO. 7

OTHER:

16,075

Motor vehicle, cost includes fuel, maintenance repairs and insurance:

1,500

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru	1-1-94 thru	1-1-95 thru	1-1-96 thru	1-1-97 thru
	12-31-93	12-31-94	12-31-95	12-31-96	12-31-97
	300	300	300	300	300

Communications, cost includes telephones, mail, and delivery:

2,500

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru	1-1-94 thru	1-1-95 thru	1-1-96 thru	1-1-97 thru
	12-31-93	12-31-94	12-31-95	12-31-96	12-31-97
	500	500	500	500	500

Maintenance repair of any item where it applies to site, needs repair:

600

Years 3 through 5 only

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru	1-1-94 thru	1-1-95 thru	1-1-96 thru	1-1-97 thru
	12-31-93	12-31-94	12-31-95	12-31-96	12-31-97
	0	0	200	200	200

TASK NO. 7

OTHER (CONT'D)

Rent: 10,400

Rent based on per person per year charge. Years 3 through 5 have an projected increase of 5.5%.

Central Office

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru 12-31-93	1-1-94 thru 12-31-94	1-1-95 thru 12-31-95	1-1-96 thru 12-31-96	1-1-97 thru 12-31-97
	147	147	155	163	172

Southwest

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru 12-31-93	1-1-94 thru 12-31-94	1-1-95 thru 12-31-95	1-1-96 thru 12-31-96	1-1-97 thru 12-31-97
	1,800	1,800	1,899	2,003	2,114

Total

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru 12-31-93	1-1-94 thru 12-31-94	1-1-95 thru 12-31-95	1-1-96 thru 12-31-96	1-1-97 thru 12-31-97
	1,947	1,947	2,054	2,166	2,286

TASK NO. 7

OTHER (CONT'D)

Data and Systems usage and maintenance charges:

625

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru	1-1-94 thru	1-1-95 thru	1-1-96 thru	1-1-97 thru
	12-31-93	12-31-94	12-31-95	12-31-96	12-31-97
	125	125	125	125	125

Library charges, includes purchase of books, library searches, and subscriptions:

450

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru	1-1-94 thru	1-1-95 thru	1-1-96 thru	1-1-97 thru
	12-31-93	12-31-94	12-31-95	12-31-96	12-31-97
	90	90	90	90	90



State of Ohio Environmental Protection Agency

P.O. Box 1049, 1800 WaterMark Dr.  
Columbus, Ohio 43266-0149  
(614) 644-3020  
FAX (614) 644-2329

George V. Voinovich  
Governor  
Donald R. Schregardus  
Director

July 22, 1993

Mr. Thomas Rowland  
Site Manager  
U.S. DOE FEMP  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705

Dear Mr. Rowland:

We are attaching a revised cost recovery proposal reducing RCRA response activities at the Fernald site for the next five years. This revised proposal is the outcome of cost recovery and AIP negotiations that have occurred. This proposal is now one of the five components within the scope of the Department's commitment to provide the State of Ohio \$32.5 million over five years.

I would like to thank the DOE for the time and effort expended on this project. I would appreciate your prompt attention and expeditious review so that we can move forward on this important program.

If you have any specific questions, please contact me at (614) 644-2314.

Sincerely,

Pat Campbell  
Division of Emergency and Remedial Response

cc: Ellen Livingston, DOE/HQ  
Jack Craig, U.S. DOE FEMP  
Wayne Hibbits, DOE Oakridge

017

# APPLICATION FOR FEDERAL ASSISTANCE

2. DATE SUBMITTED February 26, 1993	Applicant Identifier
3. DATE RECEIVED BY STATE	State Application Identifier
4. DATE RECEIVED BY FEDERAL AGENCY	Federal Identifier

1. TYPE OF SUBMISSION:

Application

Construction       Construction

Non-Construction       Non-Construction

5. APPLICANT INFORMATION

Legal Name Ohio Environmental Protection Agency	Organizational Unit Emergency and Remedial Response
--	--

Address (give city, county, state and zip code) 1800 WaterMark Drive Columbus, Ohio 43215	Name and telephone number of the person to be contacted on matters involving this application (give area code) Patricia E. Campbell Ohio Environmental Protection Agency 1800 WaterMark Drive, Columbus, OH 43215 (614) 644-2314
---	--

6. EMPLOYER IDENTIFICATION NUMBER (EIN):

3	1	6	4	0	2	0	4	7
---	---	---	---	---	---	---	---	---

7. TYPE OF APPLICANT: (enter appropriate letter in box)  A

A State	H Independent School Dist.
B County	I State Controlled Institution of Higher Learning
C Municipal	J Private University
D Township	K Indian Tribe
E Interstate	L Individual
F Intermunicipal	M Profit Organization
G Special District	N Other (Specify)

8. TYPE OF APPLICATION:

New       Continuation       Revision

9. If Revision enter appropriate letter(s) in boxes:

A Increase Award      B Decrease Award      C Increase Duration

D Decrease Duration      Other/Specify:

10. NAME OF FEDERAL AGENCY:

United States Department of Energy  
1000 Independence Ave., SW, Washington DC 20585

13. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER:

8	1	5	0	2
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Title: Miscellaneous Federal Action

11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT:

DOE Cost Recovery Grant to provide costs for oversight and monitoring at Fernald.

12. AREAS AFFECTED BY PROJECT (CIPES, CONGRESSIONAL DISTRICT, ETC.):

State of Ohio - Hamilton County

13. PROPOSED PROJECT	14. CONGRESSIONAL DISTRICTS OF
Start Date: 1-1-93      Ending Date: 12-31-97	a. Applicant: 15th      b. Project: Statewide

15. ESTIMATED FUNDING: First Year Funding

a. Federal	\$ 1-1-93 thru 12-31-93	DO
	1,723,530	
b. Applicant	\$	DO
c. State	\$	DO
d. Local	\$	DO
e. Other	\$	DO
f. Program Income	\$	DO
g. TOTAL	\$ 1,723,530	DO

16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?

a. YES THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER-12372 PROCESS FOR REVIEW ON DATE Submitted at time of application

b. NO  PROGRAM IS NOT COVERED BY E.O. 12372

OR PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW

17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT?

Yes       No

18. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT. THE DOCUMENT HAS BEEN FULLY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED

a. Typed Name of Authorized Representative Donald R. Schregardus	b. Title Director	c. Telephone Number 614/644-2782
d. Signature of Authorized Representative <i>Henry Hammond for</i>		e. Date 2/26/93

# BUDGET INFORMATION — Non-Construction Programs

## SECTION A - BUDGET SURSUMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		Total (g)
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	
1. 019		\$	\$	\$	\$	\$
2.						
3.						
4.						
5. TOTALS		\$	\$	\$	\$	\$

## SECTION B - BUDGET CATEGORIES

Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY					Total (5)
	(1) Year One	(2)	(3)	(4)	(5)	
a. Personnel	\$ 293,044	\$	\$	\$	\$	\$ 293,044
b. Fringe Benefits	79,650					79,650
c. Travel/Training	37,852					37,852
d. Equipment	330,324					330,324
e. Supplies	31,245					31,245
f. Contractual	569,128					569,128
g. Construction	0					0
h. Other	314,943					314,943
i. Total Direct Charges (sum of 6a - 6h)	1,656,186					1,656,186
j. Indirect Charges	67,344					67,344
k. TOTALS (sum of 6i and 6j)	\$ 1,723,530	\$	\$	\$	\$	\$ 1,723,530
7. Program Income						

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**EXECUTIVE SUMMARY for  
U.S. D.O.E. FERNALD GRANT /  
COST RECOVERY FFY 1993-1997**

**COST PER YEAR AND COST PER ITEM FOR  
FFY 1993-1997**

	1993	1994	1995	1996	1997	TOTAL
PERSONNEL	\$293,044	\$401,429	\$417,487	\$434,187	\$451,554	\$1,997,701
FRINGE	\$79,650	\$109,109	\$113,474	\$118,011	\$122,731	\$542,975
INDIRECT	\$67,344	\$92,254	\$95,944	\$99,782	\$103,774	\$459,098
SUPPLIES	\$31,245	\$31,245	\$31,245	\$31,245	\$31,245	\$156,225
TRAINING	\$37,852	\$37,852	\$37,152	\$37,852	\$37,152	\$187,860
EQUIPMENT	\$330,324	\$67,036	\$69,887	\$72,888	\$76,032	\$616,167
CONTRACT	\$569,128	\$631,807	\$624,497	\$555,569	\$556,506	\$2,937,507
OTHER	\$314,943	\$695,380	\$639,759	\$610,028	\$627,247	\$2,887,357
TOTAL	\$1,723,530	\$2,066,112	\$2,029,445	\$1,959,562	\$2,006,241	\$9,784,890

**EXECUTIVE SUMMARY for  
U.S. D.O.E. FERNALD GRANT /  
COST RECOVERY FFY 1993-1997**

**COST PER TASK AND COST PER INDENTIFIER  
FFY 1993-1997**

	PERSONNEL	FRINGE	INDIRECT	SUPPLIES	TRAINING	EQUIPMENT	CONTRACT	OTHER	TOTAL
TASK 1	\$1,023,714	\$278,246	\$235,264	\$82,390	\$128,990	\$26,150	\$2,730,328	\$199,039	\$4,704,121
TASK 2	\$87,636	\$23,819	\$20,139	\$3,900	\$11,090	\$0	\$14,646	\$19,728	\$180,958
TASK 3	\$61,675	\$16,762	\$14,174	\$1,750	\$4,370	\$0	\$0	\$11,664	\$110,395
TASK 4	\$38,390	\$10,436	\$8,823	\$700	\$2,100	\$577,217	\$70,926	\$204,432	\$913,024
TASK 5	\$64,553	\$17,546	\$14,834	\$1,085	\$14,010	\$0	\$0	\$13,314	\$125,342
TASK 6	\$48,855	\$13,278	\$11,227	\$4,800	\$3,500	\$0	\$4,829	\$20,428	\$106,917
TASK 7	\$89,568	\$24,345	\$20,584	\$8,800	\$7,000	\$2,800	\$8,971	\$16,075	\$178,143
TASK 8	\$187,281	\$50,904	\$43,041	\$18,400	\$3,500	\$0	\$10,962	\$41,604	\$355,692
TASK 9	\$48,855	\$13,278	\$11,227	\$4,800	\$0	\$0	\$0	\$4,100	\$82,260
TASK 10	\$188,956	\$51,358	\$43,425	\$16,000	\$3,500	\$0	\$82,370	\$59,738	\$445,347
TASK 11	\$97,710	\$26,558	\$22,455	\$9,600	\$6,300	\$0	\$9,646	\$19,788	\$192,057
TASK 12	\$60,508	\$16,445	\$13,905	\$4,000	\$3,500	\$10,000	\$4,829	\$20,428	\$133,615
TASK 13	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$734,805	\$734,805
TASK 13B	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,522,214	\$1,522,214
TOTAL	\$1,997,701	\$542,975	\$459,098	\$156,225	\$187,860	\$616,167	\$2,937,507	\$2,887,357	\$9,784,890

TASK NO. 7, RCRA OVERSIGHT  
 JAN. 1, 1993 TO DEC. 31, 1997

PROGRAM: HAZARDOUS WASTE MANAGEMENT

TASK NARRATIVE:

- To provide expertise in regard to review comment and assessment of applicable hazardous waste regulation closure plans and closure activities, waste minimization plans, background studies annual reports, waste and residue characterization plans, hazardous waste release information, and hazardous and mixed waste inventories. Collect samples of hazardous and mixed waste on and potentially off facility property. Provide expertise in regard to engineering design, research, review and distribute information associated with any RCRA hazardous waste management units at the facility. Coordinate RCRA program activities of the Ohio EPA with other Ohio EPA divisions and state agencies with regard to corrective action, ground water monitoring and waste management activities.

TASK 7, Hazardous Waste Management  
 SALARY

POSITION/CLASS	WORKING TITLE	FTE'S %	FTE'S Hours	Annual SALARY	1993 SALARY	1994 SALARY	1995 SALARY	1996 SALARY	1997 SALARY	TOTAL SALARY
Environ. Spec II	Project MGR	55%	1,144	\$32,724	\$13,139	\$17,998	\$18,718	\$19,467	\$20,246	\$89,568
Totals					\$13,139	\$17,998	\$18,718	\$19,467	\$20,246	\$89,568

		1993	1994	1995	1996	1997	TOTAL
FRINGE		\$3,571	\$4,892	\$5,088	\$5,291	\$5,503	\$24,345
INDIRECT		\$3,019	\$4,136	\$4,302	\$4,474	\$4,653	\$20,584
SUPPLIES		\$1,760	\$1,760	\$1,760	\$1,760	\$1,760	\$8,800
TRAVEL	TRAINING	\$1,400	\$1,400	\$1,400	\$1,400	\$1,400	\$7,000
EQUIPMENT		\$2,800	\$0	\$0	\$0	\$0	\$2,800
CONTRACT		\$1,912	\$1,728	\$1,756	\$1,776	\$1,799	\$8,971
OTHER		\$2,962	\$2,962	\$3,269	\$3,381	\$3,501	\$16,075
GRAND	TOTAL	\$30,563	\$34,876	\$36,293	\$37,549	\$38,862	\$178,143

TASK NO. 7

SUPPLIES:

8,800

A) Consumable office supplies to consist of necessary supplies for day-to-day office operation; example: paper, pencils, pens, folders, notebooks, memo paper.

.55 FTE x 700 = 385

B) Safety and Sampling supplies, include but not limited to vinyl gloves, nitrite gloves, leather gloves, latex boot covers, tyvek, saranex, coveralls, refresher wipes, face shields, safety glasses, respirator cartridges, logbooks (weather resistant), plastic garbage bags, polyethylene sheeting, kaydry towels, stainless steel pans, stainless steel small spoons, stainless steel large spoons, duct tape, ph paper, chin-n-soil, ice, coolers, and package materials.

.55 FTE x 2,500 = 1,375

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru	1-1-94 thru	1-1-95 thru	1-1-96 thru	1-1-97 thru
	12-31-93	12-31-94	12-31-95	12-31-96	12-31-97
	1,760	1,760	1,760	1,760	1,760

TASK NO. 7

TRAVEL:

7,000

Travel provides for in-state and out-of-state by the Division of Hazardous Waste Management for trips, conferences for project related work:

	Transportation =====	Lodging =====	Meals =====	Misc. =====	Total =====
In-State Travel Overnight to Site (20 Nights)		1,000	400		1,400
		AVG.	AVG.		====
					1,400

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru 12-31-93	1-1-94 thru 12-31-94	1-1-95 thru 12-31-95	1-1-96 thru 12-31-96	1-1-97 thru 12-31-97
	1,400	1,400	1,400	1,400	1,400

4654

TASK NO. 7

EQUIPMENT: 2,800

SAFETY AND MONITORING EQUIPMENT: 2,800

A) Misc Radiology Equipment (field work)

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru 12-31-93	1-1-94 thru 12-31-94	1-1-95 thru 12-31-95	1-1-96 thru 12-31-96	1-1-97 thru 12-31-97
	2,800	0	0	0	0

Years 3 through 5 will have a projected increase of 4%.

TASK NO. 7

CONTRACTUAL 9,228

MEDICAL MONITORING: 802

Physician Fee:

A) Baseline Examination (1st year) 216  
 B) Annual Examination (2-5 years) 142  
 ===  
 TOTAL 358

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru	1-1-94 thru	1-1-95 thru	1-1-96 thru	1-1-97 thru
	12-31-93	12-31-94	12-31-95	12-31-96	12-31-97
	216	142	148	148	148

Years 3 through 5 will have a projected increase of 4%.

TASK NO. 7

CONTRACTUAL (contd')

LABORATORY TESTS: 5,517

A)	Radiobioassay Service	Price <10	Price >=10
1.	Tritium	35.00	21.00
2.	Radium 226	115.00	75.00
3.	Isotopic Uranium	105.00	69.00
4.	Isotopic Thorium	115.00	75.00
5.	Isotopic Plutonium	121.00	81.00
6.	Total Uranium	35.00	23.00

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru	1-1-94 thru	1-1-95 thru	1-1-96 thru	1-1-97 thru
	12-31-93	12-31-94	12-31-95	12-31-96	12-31-97
	1,052	1,052	1,052	1,052	1,052

Years 3 through 5 will have a projected increase of 4%.

SPECIAL TESTING: 1,618.00

Tetanus/Diphtheria Booster	12.00
PCB Level	73.00
Lead Level	52.00
Zinc Protoporphyrin	52.00
Audiometric Testing	19.00
Chest X-Ray PA View	48.00
Electrocardiogram	42.00
Vision Testing	11.00

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru	1-1-94 thru	1-1-95 thru	1-1-96 thru	1-1-97 thru
	12-31-93	12-31-94	12-31-95	12-31-96	12-31-97
	309	309	321	333	346

Years 3 through 5 will have a projected increase of 4%.

TASK NO. 7

CONTRACTUAL (contd')

DOSIMETRY SERVICE:

398

Quantity  
21-50

Quarterly Charge per Badg  
5.25

Analyze returned badges quarterly for Gamma and Beta radiation in addition any other standard analysis.

Lost Badges 8.90 per

Per Year  
17.00

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru	1-1-94 thru	1-1-95 thru	1-1-96 thru	1-1-97 thru
	12-31-93	12-31-94	12-31-95	12-31-96	12-31-97
	76	76	79	82	85

Years 3 through 5 will have a projected increase of 4%.

CONTRACTUAL (contd')

8 HOUR REFRESHER TRAINING:

893

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru 12-31-93	1-1-94 thru 12-31-94	1-1-95 thru 12-31-95	1-1-96 thru 12-31-96	1-1-97 thru 12-31-97
	259	149	156	161	168

Years 3 through 5 will have a projected increase of 4%.

The training course is required by OSHA 29 CFR 1910.120(e) and is done by contractual obligation.

The course curriculum should include at a minimum the following topics:

1. Hazard Recognition
2. Medical Surveillance
3. Air Surveillance
4. Protective Clothing
5. Respiratory Protection
6. Contamination Control
7. Site Entry Considerations
8. Quantitative Fit Test
9. Site Safety Plans

TASK NO. 7

OTHER:

16,075

Motor vehicle, cost includes fuel, maintenance repairs and insurance:

1,500

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru	1-1-94 thru	1-1-95 thru	1-1-96 thru	1-1-97 thru
	12-31-93	12-31-94	12-31-95	12-31-96	12-31-97
	300	300	300	300	300

Communications, cost includes telephones, mail, and delivery:

2,500

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru	1-1-94 thru	1-1-95 thru	1-1-96 thru	1-1-97 thru
	12-31-93	12-31-94	12-31-95	12-31-96	12-31-97
	500	500	500	500	500

Maintenance repair of any item where it applies to site, needs repair:

600

Years 3 through 5 only

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru	1-1-94 thru	1-1-95 thru	1-1-96 thru	1-1-97 thru
	12-31-93	12-31-94	12-31-95	12-31-96	12-31-97
	0	0	200	200	200

TASK NO. 7

OTHER (CONT'D)

Rent: 10,400

Rent based on per person per year charge. Years 3 through 5 have an projected increase of 5.5%.

Central Office

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru	1-1-94 thru	1-1-95 thru	1-1-96 thru	1-1-97 thru
	12-31-93	12-31-94	12-31-95	12-31-96	12-31-97
	147	147	155	163	172

Southwest

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru	1-1-94 thru	1-1-95 thru	1-1-96 thru	1-1-97 thru
	12-31-93	12-31-94	12-31-95	12-31-96	12-31-97
	1,800	1,800	1,899	2,003	2,114

Total

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru	1-1-94 thru	1-1-95 thru	1-1-96 thru	1-1-97 thru
	12-31-93	12-31-94	12-31-95	12-31-96	12-31-97
	1,947	1,947	2,054	2,166	2,286

TASK NO. 7

OTHER (CONT'D)

Data and Systems usage and maintenance charges:

625

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru	1-1-94 thru	1-1-95 thru	1-1-96 thru	1-1-97 thru
	12-31-93	12-31-94	12-31-95	12-31-96	12-31-97
	125	125	125	125	125

Library charges, includes purchase of books, library searches, and subscriptions:

450

Yrs:	One	Two	Three	Four	Five
	1-1-93 thru	1-1-94 thru	1-1-95 thru	1-1-96 thru	1-1-97 thru
	12-31-93	12-31-94	12-31-95	12-31-96	12-31-97
	90	90	90	90	90