

ARGONNE NATIONAL LABORATORY

9700 SOUTH CASS AVENUE, ARGONNE, ILLINOIS 60439

May 15, 1985

Mr. W. A. Nixon
U.S. Nuclear Regulatory Commission
Division of Fuel Cycle and
Material Safety
Office of Nuclear Material Safety and
Safeguards
Washington, D.C. 20555

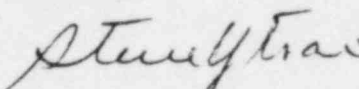
Dear Bill:

Enclosed please find a copy of the revised NRC Form 189 for the West Chicago project. The milestone chart has been changed to include two separate tasks for the preparation of the Draft and Final Supplemental Environmental Impact Statement.

The schedule and cost for the final statement as footnoted on the chart, will depend on the extent of the comments on the draft statement; therefore, only tentative schedules are provided at this time. The total cost quoted is for the preparation of only the draft statement.

If you have any questions, please call.

Sincerely,



Steve Y. Tsai
Environmental Research Division

SYT:mz

Encl.

cc: A. J. Dvorak
P. Merry-Libby

8508160112 850710
PDR FOIA
RAPKIN85-438 PDR

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NRC FORM 188
(3-81)

U.S. NUCLEAR REGULATORY COMMISSION

PROJECT AND BUDGET PROPOSAL FOR NRC WORK

DATE OF PROPOSAL

May 14, 1985

☐ NEW☒ REVISION NO 1

PROJECT TITLE

Environmental Impact Statement on the Decommissioning of the
Kerr-McGee West Chicago Rare Earths Facility

FIN NUMBER

A2157

NRC B&R NUMBER

50-19-01-00

NRC OFFICE

Office of Nuclear Materials Safety and Safeguards

DOE CONTRACTOR

Argonne National Laboratory

CONTRACTOR ACCOUNT
NUMBER 8M482

SITE

9700 S. Cass Avenue, Argonne, IL 60439

DOE B&R NUMBER
40-10-01-05

COGNIZANT PERSONNEL

ORGANIZATION

FTE PHONE NUMBER

PERIOD OF PERFORMANCE

NRC PROJECT MANAGER

W. A. Nixon

NRC/NMSS

427-4510

STARTING DATE

10-01-79

OTHER NRC TECHNICAL STAFF

COMPLETION DATE

10-31-86

DOE PROJECT MANAGER

R. Dalton

DOE/CH

972-2229

CONTRACTOR-PROJECT MANAGER

A. J. Dvorak

ANL/ERD

972-4144

PRINCIPAL INVESTIGATOR(S)

S. Y. Tsai

ANL/ERD

972-7798

STAFF YEARS OF EFFORT (Round to nearest tenth of a year)

FY 1984

FY 1985

FY 1986

FY

FY

Direct Scientific/Technical

0.3

2.0

1.8

Other Direct (Graded)

< 0.1

0.2

0.3

TOTAL DIRECT STAFF YEARS

< 0.4

2.2

2.1

COST PROPOSAL (in thousands)

Direct Salaries

\$ 20.0

\$112.0

\$112.0

Material and Services (Excluding ADP)

0.1

7.1

7.0

ADP Support

0.1

5.5

5.0

Subcontracts

0

0

0

Travel Expenses

Foreign

0

0

0

Domestic

0

13.0

10.0

Indirect Labor Costs

6.4

36.0

40.0

Other (Specify) Biomedical & Environmental
Research Adm. (2.3%)

0.7

5.0

5.0

General and Administrative (17.3%)

5.7

37.4

37.0

TOTAL OPERATING COST

\$ 33.0

\$216.0

\$216.0

CAPITAL EQUIPMENT

FIN CHARGED:

*Includes \$67K from \$100K in FY84

TOTAL PROJECT COST

\$ 33.0

\$216.0*

\$216.0

FY 1985

OCTOBER

NOVEMBER

DECEMBER

JANUARY

FEBRUARY

MARCH

MONTHLY FORECAST
EXPENSE

15.4

7.8

4.2

18.8

6.4

3.4

APRIL

MAY

JUNE

JULY

AUGUST

SEPTEMBER

15

25

30

30

30

30

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U.S. NUCLEAR REGULATORY COMMISSION

COMMISSION

FIN NUMBER

PROJECT AND BUDGET PROPOSAL FOR NRC WORK

A2157

DATE





May 14, 1985

PROJECT TITLE

Environmental Impact Statement on the Decommissioning of the
Kerr-McGee West Chicago Rare Earths Facility

DOE PROPOSING ORGANIZATION

FORECAST MILESTONE CHART: Scheduled to Start —  — Completed (Shows in Quarter Year)
PROVIDE ESTIMATED DOLLAR COST FOR EACH TASK FOR EACH FISCAL YEAR

TASK		FY 1985				FY 1986				FY 1987				FY				FY			
		1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Preparation of Draft Supplemental EIS	SCHEDULE	 — 																			
	COST	\$149K				\$216K															
Preparation of Final Supplemental EIS*	SCHEDULE					 — — — 															
	COST																				
	SCHEDULE																				
	COST																				
	SCHEDULE																				
	COST																				
	SCHEDULE																				
	COST																				
TOTAL ESTIMATED PROJECT COST		\$149K				\$216K															

PROJECT DESCRIPTION: (Provide narrative descriptions of the following topics in the order listed. Attach on plain paper to this NRC Form 189. If an item is not applicable, so state.)

1. OBJECTIVE OF PROPOSED WORK

2. SUMMARY OF PRIOR EFFORTS

3. WORK TO BE PERFORMED AND EXPECTED RESULTS

4. DESCRIPTION OF ANY FOLLOW-ON EFFORTS

5. RELATIONSHIP TO OTHER PROJECTS

6. REPORTING SCHEDULE

7. SUBCONTRACTOR INFORMATION

8. LIST NEW CAPITAL EQUIPMENT REQUIRED

9. DESCRIBE SPECIAL FACILITIES REQUIRED

10. CONFLICT OF INTEREST INFORMATION

* The schedule and cost for the
preparation of Final SEIS will
depend on the extent of the
comments on Draft SEIS.

SEE NRC MANUAL CHAPTER 1102 FOR ADDITIONAL INFORMATION

APPROVAL AUTHORITY—SIGNATURE

DATE

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FIN No.: A2157-5
Date: May 1, 1985

PROJECT TITLE: Supplemental Environmental Impact Statement Related to the Decommissioning of the Kerr-McGee West Chicago Rare Earths Facility

1. Objective of Proposed Work

The objective of this extended work is to prepare a Supplemental Environmental Impact Statement (SEIS) related to the decommissioning of the Kerr-McGee's rare earths facility in West Chicago, Illinois. This study will analyze the environmental, social, and economic impacts associated with the storage or permanent disposal of waste materials at the West Chicago site or at one of the six alternative sites located in the State of Illinois.

2. Summary of Prior Efforts

The Final Environmental Statement (FES) for the decommissioning of the West Chicago rare earths facility (NUREG-0904) was completed and issued by the U.S. Nuclear Regulatory Commission (NRC) in May 1983. Six decommissioning alternatives are considered in the FES. Environmental impacts and cost analyses were performed for each alternative at different levels of detail, depending on the availability of information for each site.

Following the issuance of the FES, the new U.S. Environmental Protection Agency standards governing the stabilization and control of uranium and thorium mill tailings and residues (40 CFR 192) were issued. Argonne National Laboratory (ANL) prepared an assessment report to determine whether the stabilization plan proposed by Kerr-McGee would be in compliance with the technical requirements of the standards. This report was submitted to NRC for review on June 27, 1984.

In addition, ANL has prepared responses to several contentions and interrogatories submitted by the People of the State of Illinois regarding the decommissioning of the facility.

3. Work to be Performed and Expected Results

The work to be performed in this proposed study is summarized as follows:

- A maximum of eight alternatives will be analyzed in detail, including two at the West Chicago site and one at each of six alternative sites.
- At present, the six alternative sites are abandoned clay/shale quarry sites located in the State of Illinois. Other alternative site(s) recommended by the State, with NRC/ANL concurrence, may replace the clay/shale quarry site(s) to maintain a total of only six alternative sites.

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3. Work to be Performed and Expected Results (Cont'd.)

- The major issues to be analyzed in depth are: long-term groundwater contamination, containment system durability/stability, near-term and long-term radiological impacts, land-use and socioeconomic impacts, and implementation and maintenance/monitoring costs.
- A summary comparison of the results of the analysis will be presented in a cost-benefit analysis.

The results of all the above analyses will be presented in the SEIS which will be published by NRC.

4. Description of Any Follow-on Efforts

It is anticipated that ANL staff will be called upon to assist NRC staff in providing expert testimony for the Atomic Safety Licensing Board hearing. The schedule for ANL's testimony is not yet determined.

5. Relationship to Other Projects

This is a continuation of a project initiated in FY 1982.

6. Reporting Schedule

The SEIS will be prepared according to the attached schedule (Attachment 1). A monthly letter report will be submitted by the 15th of the month to Mr. W. A. Nixon, Nuclear Material Safety and Safeguards (NMSS), with copy to Office of the Director, NMSS. The report will briefly summarize the following:

- A listing of efforts completed during the period; milestones reached, or if missed, an explanation provided.
- Any problems or delays encountered or anticipated and recommendations for resolution.
- A summary of costs and progress to date.
- Plans for the next report period.

7. Subcontractor Information

Not applicable.

8. List of New Capital Equipment Required

None

9. Describe Special Facilities Required

None.

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10. Conflict of Interest Information

There are no known significant contractual or organizational relationships of this organization or its employees with industries regulated by NRC and suppliers thereof that might give rise to an apparent or actual conflict of interest.

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Attachment 1: Proposed Schedule for Preparation of the Draft SEIS

Primary Responsibility	Activity	Completion Date
NRC	Approve Supplemental EIS Approach and Advise Parties	May 1, 1985
ILL/NRC/ANL	Identify Potential Alternative Sites	May 31
ILL	Provide ANL with Alternative Site Data*	May 31
NRC/ANL	Concur on Sites for Detailed Analysis	June 28
NRC/ANL	Visit Alternative Sites	July 12
ANL	Develop Conceptual Designs for Alternative Sites	Aug. 16
NRC/ANL	Review and Concur on Conceptual Designs for Alternative Sites	Aug. 30
NRC/ANL	Concur on (1) Time Frames for Analysis, (2) Major Issues, and (3) Depth of Analysis	Aug. 30
ANL	Prepare Preliminary Draft Supplemental EIS (PDSEIS) - I	Dec. 23
NRC	Review PDSEIS-I	Jan. 24, 1986
NRC/ANL	Concur on Revisions	Jan. 31
ANL	Prepare PDSEIS-II	Feb. 28
NRC	Review PDSEIS-II	Mar. 14
NRC/ANL	Concur on Revisions	Mar. 14
ANL/NRC	Revise PDSEIS-II	Mar. 28
ANL	Prepare Camera-Ready Draft SEIS	Apr. 18
NRC	Concurrence, Prepare Letters, etc.	May 9
NRC	Print and Distribute DSEIS	May 23
NRC	Issue <u>Federal Register</u> Notice of Availability	May 30
ILL/Public/ Kerr-McGee	Review/Comment on DSEIS	Jul.
NRC	Issue Final SEIS	Jan. 1987

*For any new sites and/or new data on previously considered sites.

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