

W. Nixon

NRC FORM 188
(3-81)



U.S. NUCLEAR REGULATORY COMMISSION

PROJECT AND BUDGET PROPOSAL FOR NRC WORK

DATE OF PROPOSAL

May 1, 1985

☒ NEW

☐ REVISION NO.

PROJECT TITLE

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

FIN NUMBER

A2157

NRC OFFICE

Office of Nuclear Materials Safety and Safeguards

NRC BAR NUMBER

50-19-01-00

DOE CONTRACTOR

Argonne National Laboratory

**CONTRACTOR ACCOUNT
NUMBER**

8M482

SITE

9700 S. Cass Avenue, Argonne, IL 60439

DOE BAR 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 85

**MONTHLY FORECAST
EXPENSE**

OCTOBER

15.4

NOVEMBER

7.8

DECEMBER

4.2

JANUARY

18.8

FEBRUARY

6.4

MARCH

3.4

APRIL

15

MAY

25

JUNE

30

JULY

30

AUGUST

30

SEPTEMBER

30

NRC FORM 188
(3-81)

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PDR FOIA
RAPKIN85-438 PDR

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.

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.

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.

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
IL	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.

ARGONNE NATIONAL LABORATORY

9700 SOUTH CASS AVENUE, ARGONNE, ILLINOIS 60439

Telephone 312/972-3101

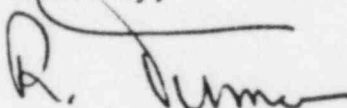
May 9, 1985

Mr. Charles Beckwith
DOE/NRC Coordinator
Office of Resource Management
U. S. Nuclear Regulatory Commission
Maryland National Bank Building
7735 Old Germantown Road
Bethesda, MD 20555

Dear Mr. Beckwith:

Attached is the April monthly cost report and Technical Report Letter for the project entitled "Licensing Program Support - Environmental Review Assistance", FIN A21572.

Sincerely,



Roy Tuma
Assistant Director
Environmental Research Division

/lac
attachments

Distribution

NRC:

W. A. Nixon
R. A. Brown, Jr.

ANL/DOE-CH:

B. Carlan, BUD
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R. H. Huebner, OTD

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TECHNICAL REPORT LETTER

for Month of April 1985

NRC FIN A21572

Project Title: Licensing Program Support - Environmental Review Assistance

NRC Project Manager: W. A. Nixon

ANL Principal Investigator(s): S. Y. Tsai

ANL Account No.: 84482

Prepared by (sign):

S. Y. Tsai

Date: 5-9-85

1. Efforts completed during the month of April 1985.

- Responses to the interrogatories were finalized and submitted along with the team members' affidavits and resumes to NRC on April 19, 1985.
- Prepared schedule and cost estimate for the preparation of supplemental environmental impact statement (SEIS).
- NRC staff visited ANL on April 24, 1985, to discuss schedule and cost estimate for the SEIS and to review document files for West Chicago project.
- Prepared NRC Form 189 for SEIS.

2. A summary of cost to date is provided on a separate sheet.

FIN A21574

ACCOUNT 8M482

TITLE LICENSING PROGRAM SUPPORT - ENVIRONMENTAL REVIEW ASSISTANCE

B&R 40-10-01-05

CURRENT MONTH

YEAR-TO-DATE

TOTALS FOR: 8M482 LICENSING PROGRAM SUPPORT - ENVIRONMENTAL REVIEW ASSISTANCE

I. EFFORT:

DIRECT MAN-MONTHS	.50	7.80
TECHNICAL SERVICES MAN-MONTHS *		.60
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TOTAL EFFORT	.50	8.40

II. COSTS:

DIRECT LOADED LABOR COSTS	2,215.00	31,160.40
MATERIALS AND SERVICES	23.52	2,466.11
ADP SUPPORT	8.69	540.17
TRAVEL	49.69-	2,903.44
GENERAL AND ADMINISTRATIVE	1,624.19	22,759.57
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TOTAL COST	3,821.71	59,829.69

III. FUNDING STATUS:

PRIOR FY 84
CARRYOVER

\$67

FY85 PROJECTED
FUNDING LEVEL

\$216

FY85 FUNDS
RECD TO DATE

\$50

FY85 FUNDING
BAL. NEEDED

\$99

* TECHNICAL SERVICES LABOR COST IS INCLUDED WITH MATERIALS AND SERVICES COST.