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WM Project 39

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Mr. Robert Browning,
Director, Division of Waste Management,
U.S. Nuclear Regulatory Commission,
Washington, DC 20555

Dear Mr. Browning:

The Uranium Mill Tailings Remedial Action (UMTRA) Project Office is required under Section 114(a) of the "Uranium Mill Tailings Radiation Control Act of 1978," Public Law 95-604, to submit an UMTRA Project Annual Status Report to the U.S. Congress. In accordance with the provisions of that law, the report is to include a summary of UMTRA Project activities for which your agency is responsible. Therefore, I am formally requesting your input for the 1985 Annual Status Report to Congress on the UMTRA Project. The report will be published in January 1986.

The purpose of the report is to inform Congress of progress made during the reporting period. The reader is referred to previous reports for details of Program history, Program management, agency responsibilities, etc. The report will cover the period from October 1, 1984 to September 30, 1985 and will be limited to ten pages, with not more than ten pages of appendices. Because of this page limitation, I must request that your input not exceed one-half page in length. In order to meet the extensive review schedule for this report, we must receive your input no later than August 15, 1985.

If you have any questions, please contact Tom Shea of my staff at (505) 844-3941, or William Mitchell of Jacobs Engineering Group Inc., (our Technical Assistance Contractor) at (505) 846-1250.

Sincerely,

John G. Themelis, Project Manager
Uranium Tailings Remedial Action Project

Enclosure:

cc w/o enclosures:
Bill Mitchell, JEG
Tony Brazley, NE-24, HQ.
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ANNUAL STATUS REPORT on the Uranium Mill Tailings Remedial Action Program

December 1984



Prepared in response to the
requirements of Section 114(a)
to Public Law 95-604

U.S. Department of Energy
Assistant Secretary for Nuclear Energy
Office of Terminal Waste Disposal
and Remedial Action

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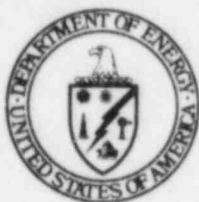
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to Public Law 95-604

U.S. Department of Energy
Assistant Secretary for Nuclear Energy
Office of Terminal Waste Disposal
and Remedial Action
Washington, D.C. 20545

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I. INTRODUCTION

This Sixth Annual Status Report, required by Public Law (PL) 95-604, the "Uranium Mill Tailings Radiation Control Act of 1978," (herein referred to as "the Act") summarizes activities of the Uranium Mill Tailings Remedial Action (UMTRA) Project undertaken during Fiscal Year (FY) 1984 by the U.S. Department of Energy (DOE) and other agencies. Project goals for FY 1985 are also presented.

Title I of the Act authorizes the DOE, in cooperation with affected states and Indian tribes within whose boundaries designated processing sites are located and with persons who own these sites, to provide a program of assessment and remedial action at such sites. The purpose of the remedial actions is to stabilize and control the tailings and other residual radioactive materials located on the inactive uranium processing sites in a safe and environmentally sound manner and to minimize or eliminate potential radiation health hazards. For some processing sites, the remedial action might include the reprocessing of tailings to extract residual uranium and other minerals. Properties in the vicinity of designated processing sites which are contaminated with material from the sites, and which are herein referred to as "vicinity properties," are also eligible for remedial action. Twenty-four inactive uranium processing sites and associated vicinity properties located in 10 states and the vicinity properties associated with the Edgemont, South Dakota, inactive uranium mill, currently owned by the Tennessee Valley Authority (TVA), are presently included in the UMTRA Project (Appendix A).

Summarized below are the UMTRA Project FY 1984 major accomplishments and FY 1985 goals.

FY 1984 Project Accomplishments:

- o Completed 25 percent of the processing site remedial actions at Canonsburg, PA.
- o Initiated remedial action on 118 vicinity properties at four designated locations and completed survey and inclusion activities on a total of 420 vicinity properties.
- o Published the Environmental Impact Statement (EIS) for Salt Lake City, UT, and the Environmental Assessment (EA) for Shiprock, NM, and prepared the preliminary draft EIS for Durango, CO.
- o Completed Remedial Action Plans (RAPs) for Salt Lake City, UT, and Shiprock, NM, and prepared draft RAPs for Gunnison, CO, and Riverton, WY.
- o Executed cooperative agreements with Oregon, Wyoming, and South Dakota, and modified the Utah cooperative agreement to assign the construction management responsibility to the State.
- o Executed an Interagency Agreement with TVA for disposal of the Edgemont vicinity property material.

FY 1985 Project Goals:

- o Initiate processing site remedial actions at Salt Lake City, UT, Shiprock, NM, and Riverton, WY, and complete remedial actions at Canonsburg, PA.
- o Complete inclusion surveys for approximately 1,400 vicinity properties.
- o Initiate engineering on 570 vicinity properties and remedial action on 270 high priority vicinity properties in Canonsburg, PA; Salt Lake City, UT; Grand Junction, CO; Edgemont, SD; Riverton, WY; Durango, CO; and Shiprock, NM.
- o Complete EISs or EAs and RAPs for Durango and Gunnison, CO; Riverton, WY; and Lakeview, OR.
- o Execute cooperative agreements with Idaho, New Mexico, Texas, and the Navajo/Hopi Tribes (Tuba City site).

II. PROGRAM STATUS

Progress made during FY 1984, present status, and plans for FY 1985 are described below.

1. RADIOLOGICAL SURVEYS AND INCLUSION OF VICINITY PROPERTIES

In compliance with a consent order filed in U.S. District Court for the District of Columbia on June 23, 1983, the Secretary of Energy designated 8,156 vicinity properties for possible inclusion in the UMTRA Project. The notice of this action was published in the Federal Register on February 2, 1984. The designation list identified all vicinity properties considered for inclusion in the UMTRA Project, as of the publication date. All known radiological data associated with vicinity properties were used in generating designations. DOE also organized a Task Force to investigate the true effectiveness of the mobile van scanning apparatus in identifying candidate vicinity properties. The results of the Task Force study are pending.

In FY 1984, the Oak Ridge National Laboratory (ORNL) was designated the UMTRA Project Inclusion Survey Contractor (ISC) and located a field office in Grand Junction to provide more reasonable access to western state vicinity properties. During FY 1984, the ISC conducted mobile van scans in Durango, Edgemont, and Grand Junction, and on-site inclusion surveys in Canonsburg, Salt Lake City, Grand Junction, Durango, Shiprock, Riverton, Rifle, Tuba City, Monument Valley, and Mexican Hat. The DOE made 230 inclusion and 135 exclusion decisions based on ISC recommendations (see Appendix A).

In June 1984, a Vicinity Properties Management and Implementation Manual (VPMIM) was issued documenting guidance for implementing property surveys and remedial action in accordance with UMTRA Project Office direction.

2. ESTABLISHMENT OF COOPERATIVE AGREEMENTS

During FY 1984, DOE negotiated and executed cooperative agreements with the State of Wyoming (Riverton and Spook), the State of Oregon (Lakeview), and the State of South Dakota (Edgemont vicinity properties). Further, DOE negotiated an interagency agreement with the TVA authorizing DOE disposal of Edgemont vicinity property materials at TVA's NRC-licensed mill site in Edgemont, thereby eliminating the construction of a new disposal site. Substantial progress was made in the negotiation of a cooperative agreement with the Navajo and Hopi Tribes for the site at Tuba City, Arizona, which is located within the Bennett Freeze (Navajo-Hopi Dispute) Area. Agreements with New Mexico (Ambrosia Lake), Idaho (Lowman), and Texas (Falls City), will be executed during FY 1985. Cooperative agreements are now in place for all nine Colorado sites, three sites on the Navajo reservation, the Pennsylvania site, both Utah sites, and the two North Dakota sites. A cooperative agreement with Arizona is not required, since both sites are on Indian lands.

3. IMPLEMENTATION OF EPA STANDARDS FOR REMEDIAL ACTION

To provide uniform guidance in interpreting the EPA standards (40 CFR Part 192), DOE, with the assistance of the implementing agencies, prepared the "Plan for Implementing EPA Standards for UMTRA Sites," UMTRA-DOE/AL-163. The plan presents the methods to be followed in implementing the EPA standards and specifies the procedures and responsibilities for planning and conducting remedial actions.

The DOE also initiated the program that will provide independent assurance that work is performed according to the EPA standards. The Technical Assistance Contractor (TAC) has been tasked with monitoring the work of the Remedial Action Contractors (RACs). Emphasis is placed on radiological monitoring for the cleanup of land and structures and certain critical construction activities at disposal sites. A laboratory has been established to support this activity.

4. ACQUISITION OF LANDS AND MATERIALS

The remedial action selected for Canonsburg was stabilization in place of the residual radioactive materials within a 38-acre disposal site, including the 18-acre designated processing site formerly known as the Canon Industrial Park. Pennsylvania took title to the Canon Industrial Park through a condemnation action. The DOE, using the U.S. Army Corps of Engineers (COE), has acquired the balance of the disposal site. All residents and tenants have been relocated from the site. Relocation assistance was provided to persons displaced as a result of the Commonwealth and DOE acquisitions.

Other DOE acquisition efforts included: (a) access agreements with private, state, tribal and Federal entities for the purpose of gathering baseline data; (b) execution of remedial action agreements with owners of vicinity properties in Salt Lake City, Canonsburg, Grand Junction, and Edgemont, authorizing DOE to perform remedial action; (c) initiation of negotiations with the Navajo Tribe for a land withdrawal agreement authorizing use of the Shiprock mill site as the disposal site; (d) application to

the Bureau of Land Management for withdrawal of public lands that are possible disposal sites for the Grand Junction and Rifle tailings; and (e) execution of a Task Order with the Omaha District of the COE for real estate support in acquiring the Colorado processing/disposal sites.

5. REPROCESSING OF RESIDUAL RADIOACTIVE MATERIALS

As required by the Act, expressions of interest in reprocessing continue to be solicited. To date, no specific interest in reprocessing at any sites under active design has been received except for Durango. Reprocessing of the Durango tailings is still being evaluated. DOE will continue to analyze the feasibility of reprocessing at other sites.

6. NATIONAL ENVIRONMENTAL POLICY ACT (NEPA) DOCUMENTATION

The final EIS and related Record of Decision (ROD) for Salt Lake City, and the EA and related Finding of No Significant Impact (FONSI) for Shiprock were prepared and published. The draft EIS for Durango will be published in early FY 1985, and the final EIS and ROD will be completed July 1985. The draft EISs for Grand Junction and Rifle are scheduled for publication in August 1985. EAs for Riverton, Lakeview, Gunnison, and Tuba City are scheduled for publication in February, May, June, and August 1985, respectively.

7. PROGRAM PLANNING

- 7.1 Project Planning. The UMTRA Project Plan was approved and published in August 1983. The plan contains the performance, cost, and schedule baselines for accomplishing the Project mission. The status of other UMTRA Project planning documents is described below.
- a. Quality Assurance Plan. Revised August 1984.
 - b. Health and Safety Plan. Revised June 1984.
 - c. Guidelines for Contents of Environmental Impact Statements. Published November 1980.
 - d. Guidelines for Contents of Environmental Assessments. Published April 1981.
 - e. Public Participation Plan and Public Information Plan. Revised June 1984.
 - f. Project Schedule and Cost Estimate Report. To be revised.
 - g. Vicinity Properties Management and Implementation Manual. Published June 1984.
 - h. Plan for Implementing EPA Standards. Published January 1984.

- 7.2 Project Procurement. The contract for Jacobs Engineering Group Inc., the TAC, was extended to March 1987. The TAC is responsible for providing technical and management support connected with planning and design development, NEPA document preparation, environmental health and safety, quality assurance, and maintenance and surveillance of disposal sites.

Morrison-Knudsen Company, Inc., the RAC, was awarded a contract in March 1983. As the RAC they are responsible for engineering and design of approved remedial actions, for construction management, and for accomplishing the remedial actions through the use of competitively awarded firm fixed-price subcontracts to the maximum extent possible.

Bendix Field Engineering Corporation contracted through the DOE Idaho Operations Office, is responsible for engineering design and remedial actions for vicinity properties at Grand Junction and Edgemont, data acquisition support for site characterization, and operation of the Technical Measurement Center.

Other prime contractors are ORNL and Monsanto Research Corporation, who provide vicinity property inclusion surveys and processing site radon monitoring, respectively.

8. TECHNOLOGY DEVELOPMENT

The UMTRA Project has supported a technology development program to resolve uncertainty in areas critical to remedial actions. The program was essentially completed in 1983. A technology transfer symposium was conducted in February 1984 to inform interested private individuals and other entities of program results. A report summarizing the program has been drafted and will be available through the UMTRA Project Office. Another transfer symposium, planned for February 1985, will be directed toward the practical uses of the developed technology.

9. REMEDIAL ACTION

Remedial action started at Canonsburg in October, 1983, and is to be completed by the end of September 1985. Remedial actions are scheduled to begin at Shiprock in October 1984, at Salt Lake City in March 1985, and at Riverton in July 1985.

During FY 1984, the RAC generated 70 Radiological and Engineering Assessments (REAs) and initiated remedial action on 22 vicinity properties. In addition, BFEC generated 115 REAs and initiated remedial action on 93 vicinity properties. The REAs provide the basis for vicinity property remedial action design. A site summary of REAs and remedial actions is provided in Appendix A. In FY 1985, 568 REAs and 273 vicinity property remedial actions are planned.

10. PUBLIC PARTICIPATION

Scoping meetings on the Shiprock and Lakeview EAs were held FY 84. Public information meetings were held in Canonsburg and Lakeview regarding progress of the Project. Quarterly meetings of all Project participants were held during 1984 at rotating sites.

Information Meetings were held in Edgemont, Salt Lake City, Durango, Riverton, and Grand Junction on vicinity properties. The Project Office also participated in numerous local Task Force meetings in Lakeview, Durango, and Riverton throughout the year. These Task Forces are independent groups established by a state or Indian tribe, under the terms of the cooperative agreement, to serve as a communications link between the UMTRA Project Office and the affected public. They consist of interested citizens, business people, local and state officials, and other community leaders.

Presentations regarding the Project were made to agencies of the State governments of Texas, New Mexico, and South Dakota in 1984. The Project Office, in response to invitations, briefed the Wyoming State Legislature in January 1984, and the New Mexico State Legislature in August, 1984. Information pamphlets on the Project, Shiprock site, and Grand Junction vicinity properties were published.

11. OTHER FEDERAL AGENCY ACTIVITIES

Coordination with participating Federal agencies continued and meetings were conducted to exchange information and resolve problems. Following are condensed texts of contributions to this report from the four Federal agencies cooperating with the DOE on the UMTRA Project.

11.1 Department of the Interior (DOI)

The DOI reviewed and commented on the DOE proposal for remedial action at the Shiprock site on the Navajo Indian Reservation and has been working informally with DOE in preliminary planning for actions at the Riverton site, which is surrounded by the Wind River Indian Reservation. DOI will continue to provide technical advice and assistance on remedial actions, as appropriate.

11.2 Department of Justice (DOJ)

The Land and Natural Resources Division of DOJ has been designated by the Attorney General to perform staff work necessary to conduct the studies under Section 115(b) of the Act to determine the identity and legal responsibility of any person who owned, operated, or controlled any site designated under the Act. It is anticipated that the Attorney General's Section 115(b) study with respect to the Canonsburg site will be transmitted to Congress by the end of FY 1984.

DOJ is continuing its defense of the United States in the case of Won-Door v. United States, before the U.S. Claims Court which involves an inverse condemnation claim by a Salt Lake City vicinity property owner. Pursuant to an agreement among Won-Door, DOE, NRC,

and the State of Utah, the Court has ordered that the case be stayed for two years (commencing 3/21/84), pending a decision by DOE and the State of Utah as to whether the property will be acquired as part of the remedial actions.

As previously reported, DOJ is also defending several lawsuits filed against the United States, DOE, the Department of Defense, NRC, the Department of Health and Human Services, and EPA in the U.S. District Court for the Western District of Pennsylvania. In the first of these cases, Dunn, et al. v. United States, et al., the plaintiffs were seeking injunctive relief to abate the alleged public nuisance posed by radioactive materials at the Canonsburg site. The plaintiffs also contended that DOE had failed to comply with certain public participation requirements imposed by the Uranium Mill Tailings Radiation Control Act and the requirements of NEPA concerning the preparation of an EIS. In the second case, Amorose, et al. v. United States, et al., plaintiffs are seeking damages against the Federal defendants and several private corporations for alleged reductions in property values attributable to radioactive contamination resulting from activities at the Canonsburg processing site. A third case, Bennett, et al. v. United States, et al., like the Amorose case, seeks damages against Federal and state defendants for alleged diminution in property values.

The Dunn case was resolved by a Consent Judgement entered May 5, 1984, subsequent to denial of plaintiffs' motion for class certification, and dismissal of the claim that the Secretary of Energy had failed to comply with the requirements of NEPA, on October 18, 1983. Plaintiffs' claim for attorney's fees under the EAJA, together with the government's preliminary opposition, arguing that the prerequisites to a fee award have not been met, is under submission to the Court. As in the Dunn case, plaintiffs' motion for class certification was also denied in the Amorose suit on October 18, 1983. The Amorose case is currently pending on motions for judgment on the pleadings as to claims asserted against the Federal officer and agency defendants, and as to plaintiffs' claim for indemnification under the Price-Anderson Act. The Bennett case is under submission on motions to dismiss. A general settlement of Amorose, Bennett, and two other lawsuits against the private corporation defendants in Amorose is the subject of active negotiation between plaintiffs and the private corporation defendants.

Finally, four Petitions for Review are currently pending in the Court of Appeals for the Tenth Circuit, challenging the EPA Administrator's final remedial action standards for inactive uranium milling sites, in American Mining Congress v. Ruckelshaus. Oral arguments were heard and the case is now waiting decision by the Court.

11.3 Nuclear Regulatory Commission (NRC)

NRC reviewed and concurred in the DOE cooperative agreements with South Dakota, Wyoming, Utah, Oregon, and the Navajo Nation. As part of its role as a cooperating agency in the preparation of NEPA documents, the NRC has reviewed and concurred in the publica-

tion of the Shiprock EA and the Salt Lake City EIS. NRC also concurred in the Canonsburg RAP. Other documents that NRC reviewed and provided comments on to DOE were the Riverton Processing Site Characterization Report and the Durango preliminary draft EIS.

Generic documentation reviewed and concurred in by NRC include the Summary Protocol for Designation and Inclusion of Vicinity Properties and the VPMIM. NRC also reviewed and provided comments on the UMTRA Project Health and Safety Plan and the Plan for Implementing EPA Standards.

NRC reviewed and concurred in the remedial actions at 54 vicinity properties in Edgemont, Salt Lake City, and Grand Junction. NRC has also concurred in the TVA/South Dakota/DOE Interagency Agreement regarding the disposal of residual radioactive material from vicinity properties in Edgemont, SD.

11.4 Environmental Protection Agency (EPA)

The EPA standards for cleanup and disposal of tailings from inactive uranium mill sites took effect on March 7, 1983, thus fulfilling EPA's primary responsibility for the remedial action program under Title I of the Act. Since then, EPA has reviewed and commented on site EISs and EAs, and on DOE's manual for implementing the standards. The EPA has also consulted with Federal, state, and tribal officials, as necessary, to assist the planning and carrying out of remedial actions. The EPA's headquarters and regional offices plan to continue liaison with the remedial action program, both to provide any needed assistance and to improve their knowledge of the practicality and effectiveness of the standards.

12. STATE AND INDIAN TRIBE ACTIVITIES

Excellent cooperation has been extended by all of the participating states and Indian tribes. Their comments are included in Appendix B. Quarterly meetings with state and tribal representatives on Project activities were initiated during FY 1984 and will continue in FY 1985.

13. STATUS OF DESIGNATED SITES

13.1 Canonsburg, PA. Construction started in October 1983, on schedule and was 25 percent complete at the end of FY 1984. Initial site activities involved site grading and fencing, storm water drainage channels and flood control berms, sedimentation basins, and wastewater treatment facilities. The remedial actions are planned for completion in September 1985. Property acquisition was completed at the site with the purchase of residential and industrial property adjacent to the site and the abandonment or relocation of public roads and easements on the site. Vicinity property remedial action continued, bringing the total to 49 properties completed or started during FY 1984.

13.2 Salt Lake City, UT. In October 1983, it was determined that the DOE preferred remedial action alternative was to relocate the

tailings from South Salt Lake to Clive, UT. The EIS reflecting this preferred course of action was published in August 1984. The ROD was issued in September 1984 and concurrence in the RAP by the State is expected by October 1985. Utah was delegated the design and construction management for the processing site remedial action, and the State Department of Health and Department of Transportation will manage the effort. Bids for the remedial action are scheduled to be opened in December 1984, with remedial action beginning in March 1985. Remedial action was initiated on two major commercial vicinity properties. All remedial action, including vicinity properties, is scheduled for completion by December 1987.

- 13.3 Shiprock, NM. An EA with the preferred option of stabilization in place was published and public comments received and addressed. A FONSI is scheduled to be published in October 1984. All remedial action planning documents were completed and the site design was started. Staging area and preliminary construction started in September 1984, and ground-breaking ceremonies for the site are scheduled to be held in October 1984.
- 13.4 Durango, CO. Site characterization for the potential disposal sites has been completed. The draft EIS is scheduled to be published in November 1984, and is planned for publication in July 1985. The preferred alternative in the EIS calls for relocation of the tailings to the Long Hollow site for reprocessing and disposal. Remedial action is scheduled to begin in March 1986. Vicinity property surveys identified a potential 137 properties where remedial action may be required. On-site surveys were completed at 25 of these properties during FY 1984.
- 13.5 Gunnison, CO. Drafts of the EA and RAP were prepared for discussion with state and Federal agencies. These drafts will be revised during FY 1985, with remedial action planned to start in FY 1986. The preferred alternative is SIP, but additional ground-water data will be collected to characterize the aquifer that has been degraded by the tailings pile.
- 13.6 Grand Junction, Old Rifle, and New Rifle, CO. These sites are considered together because joint disposal of the tailings from all three sites is an option. Data collection for site characterization at the processing sites and alternate disposal sites started. Draft remedial action planning documents and EISs will be completed during FY 1985. During FY 1984 remedial action was initiated on 63 vicinity properties at Grand Junction bringing the total to 77.
- 13.7 Riverton, WY. The cooperative agreement was signed in December 1983, and the State appropriated \$400,000 of its estimated \$1.8 million share of the project cost. The draft EA and draft RAP are to be placed in the coordination cycle in October 1984. A public hearing on the EA is scheduled for March 1985. The preferred course of action continues to be SIP. Several information meetings are scheduled prior to March 1985 with the Task Force and public. The detail design and remedial action will progress in phases because of winter weather conditions. The first phase of site remedial action is scheduled for Fall, 1985, with the remainder of the site work concluding in 1986. The initial vicinity property remedial action will begin in Spring, 1985.

- 13.8 Tuba City, AZ. Radiological, soil, and water data were collected for site characterization. The preferred alternative is SIP and will include burial of remaining mill buildings on the site. The Tuba City Chapter, the local governing body, was briefed on site activities.
- 13.9 Mexican Hat, UT. Field radiological sampling was completed and soil/water characterization is to be completed in early FY 1985. Potential borrow sites are under investigation.
- 13.10 Lakeview, OR. Site characterization at the mill site and alternate disposal sites was completed. After finding that SIP longevity would be jeopardized by a combination of geothermal and seismic activity in the area, an alternate site selection program was carried out in conjunction with State and local officials. Remedial action planning documents, including the EA, will be completed in FY 1985.

III. PROGRAM FUNDING

<u>ACTIVITY</u>	<u>FY 1983 OBLIGATIONS*</u>	<u>FY 1984 OBLIGATIONS*</u>	<u>EST. FY 1985 OBLIGATIONS*</u>
<u>ASNE</u>			
Planning & Design Development	\$ 4,201,000	\$ 4,542,000	\$ 8,812,000
Engineering	2,084,000	4,935,000	6,138,000
Environmental Health & Safety	3,476,000	1,301,000	1,392,000
Technology Development	1,264,000	---	---
Site Acquisition	1,059,000	2,227,000	2,073,000
Remedial Action	3,593,000	7,607,000	35,583,000
Maintenance & Surveillance	---	---	20,000
Technical & Management Support	5,686,000	8,165,000	10,704,000
Total Funding	\$ 21,363,000	\$28,777,000	\$64,722,000
Federal Funding	\$ 20,998,000	\$28,309,000	\$61,010,000
<u>ASEP</u>			
Aerial Surveys	\$ 103,000	Not applicable	Not applicable
Mobile & Comprehensive Radiological Surveys	1,824,000	**	**
Radon Monitoring	\$ 532,000		
Total Funding	\$ 2,489,000		
Federal Funding	\$ 2,489,000		

* Includes Federal and State funds.

** ASEP activities are now the responsibility of the ASNE.

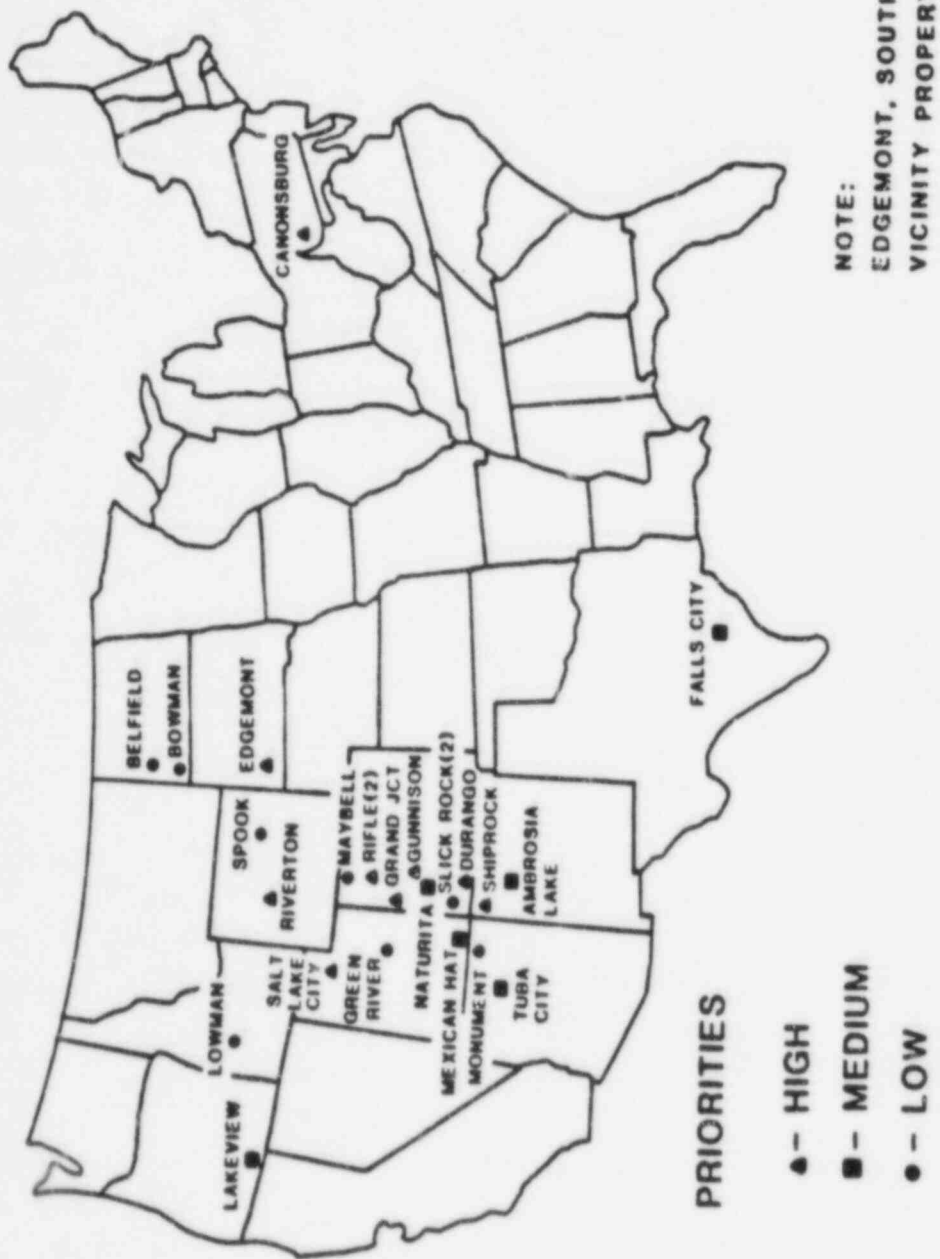
APPENDIX A
DESIGNATED PROCESSING SITES AND VICINITY PROPERTIES

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Figure A-1

LOCATION - UMTRA PROJECT SITES



State	Processing site	Tailings (10 ⁶ tons)	NEPA document/proposed action**
Arizona	Monument Valley* Tuba City*	1.100 0.800	EA EA
Colorado	Durango Grand Junction Gunnison Maybell Naturita New Rifle Old Rifle Slick Rock (NC) Slick Rock (UC)	1.555 1.900 0.540 2.600 0.344 2.700 0.350 0.037 0.350	EIS/Relocate EIS EA EA EA EIS EIS EA EA
Idaho	Lowman	0.090	EA
New Mexico	Ambrosia Lake Shiprock*	2.600 1.500	EA EA/SIP
North Dakota	Belfield Bowman	0.050 0.071	EA EA
Oregon	Lakeview	0.130	EA/Relocate
Pennsylvania	Canonsburg	0.414	EIS/SIP
Texas	Falls City	2.500	EA
Utah	Green River Mexican Hat* Salt Lake	0.123 2.200 1.880	EA EA EIS/Relocate
Wyoming	Spook Riverton	0.187 0.900	EA EA

*Processing site on Navajo tribal lands.

**Assumes all sites not otherwise designated are stabilization in place (SIP) pending completion of environmental and engineering studies.

Table A.2 Vicinity properties summary of activities for FY 1984

	Designated	Inclusion/Exclusion Recommendations		Inclusions		REAs Submitted		REAs initiated		REAs Completed	
		FY84	Total	FY84	Total	FY84	Total	FY84	Total	FY84	Total
Canonsburg	111	41	222	1	112	61	90	20	49		29
Salt Lake City	127	44	79	11	67	9	27	2	20		18
Shiprock	17	20	20	14	14						
Durango	137	27	47	11	30						
Gunnison	14										
Grand Junction	6,905	178	178*	103	292	70	84	63	77	49	63
Rifle	384	30	30	3	3						
Riverton	50	57	57	13	13						
Tuba City	8	6	6								
Mexican Hat	21	17	17	9	9						
Lakeview	4										
Ambrosia Lake	**										
Naturita	60										
Falls City	20										
Green River	29										
Slick Rock	4										
Belfield	11										
Bowman	3										
Maybell	**										
Lowman	17										
Spook	1										
Monument Valley	17	17	17								
Edgemont	216	61	61	25	93	45	45	30	30	20	20
TOTAL	8,156	498	734	190	633	185	246	115	176	69	130

*This does not include all properties surveyed by CDH and EPA.

**Windblown only.



COLORADO DEPARTMENT OF HEALTH

Richard D. Lamm
Governor

Thomas M. Vernon, M.D.
Executive Director

September 21, 1984

James A. Morley, Project Manager
Uranium Mill Tailings Project Office
U.S. Department of Energy
P.O. Box 5400
Albuquerque, N.M. 87115

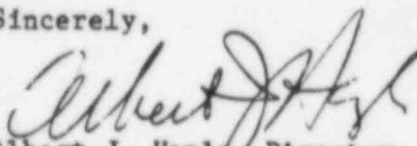
Dear Mr. Morley:

This letter is to provide the Colorado prospective on the conduct of the Uranium Mill Tailings Remedial Action Project (UMTRAP).

- . Work is progressing on vicinity properties in Grand Junction where the Grand Junction Remedial Action Program (GJRAP) and UMTRAP are both involved, reducing the time and cost in accomplishing both programs (and disrupting the property only once).
- . Additional work on UMTRAP vicinity properties in Grand Junction is increasing rapidly.
- . Remedial design efforts are being accomplished for action during the next federal fiscal year in other Colorado locales.
- . Colorado has provided \$1 million for the next fiscal year for vicinity property and related remedial action.
- . Several meetings were held between the cooperating agencies during the development of the NEPA documents for both Durango and Gunnison which are to be released later this year for public comment.
- . Colorado is considering assumption of certain UMTRAP responsibilities which will be to the benefit of the program.

We look forward to an even more productive effort in the coming year.

Sincerely,


Albert J. Hazle, Director
Radiation Control Division

AJH/cbd

APPENDIX B
COMMENTS FROM STATES

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STATE OF IDAHO

DEPARTMENT OF HEALTH AND WELFARE

DIVISION OF ENVIRONMENT, STATEHOUSE, BOISE, IDAHO 83720

September 18, 1984

James Morley
Project Manager
UMTRA
U.S. DOE
Albuquerque Operations Office
Post Office Box 5400
Albuquerque, NM 87115

Dear Mr. Morley:

The following is a summary of activities under UMTRA for the Lowman mill site for FY 1984: In April the State Legislature passed a bill authorizing the Department of Health and Welfare to sign an agreement with the U.S. Department of Energy for remedial action at Lowman. In July, the Division of Environment of the Department of Health and Welfare met with representatives from the U.S. DOE to discuss conditions of the agreement. The division is preparing comments on the agreement and tentative signing is set for October 1.

Thank you for this opportunity to provide a summary of state activities.

Sincerely,

Robert D. Funderburg
Manager
Radiation Control Section
Bureau of Hazardous Materials

RDF/my/t18

EQUAL OPPORTUNITY EMPLOYER



TONEY
GOVERNOR

STATE OF NEW MEXICO
ENVIRONMENTAL IMPROVEMENT DIVISION

DENISE FORT, DIRECTOR

November 1, 1984

James A. Morley, Project Director
UMTRA Project Office
U.S. Department of Energy
Albuquerque, NM 87115

Dear Mr. Morley:

The following is provided for inclusion in your annual status report to congress, per your request of September 13, 1984, on New Mexico's participation for the period of October 1, 1983 to September 30, 1984 in the Uranium Mill Tailings Remedial Action Program. Although preremedial activities are not expected to commence at the Ambrosia Lake Site until FY 85, several EID staff have contributed significant amounts of time on UMTRA related projects which it was felt would directly impact the design to be implemented at the New Mexico site. The more significant activities included:

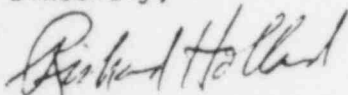
1. Staff of the EID and the UMTRA Project Office presented a joint briefing to the New Mexico Legislative Radioactive Materials Committee in August. The purpose of the presentation was update the NM Legislative Branch on the State's and DOE's roles for participation in the Project.
2. The DOE provided a revised draft cooperative Agreement to New Mexico on September 2, 1984, for state evaluation. Staff of the EID subsequently met with DOE Project Office staff to discuss the proposed NM/DOE Cooperative Agreement.
3. The Environmental Improvement Division has prepared a Capital Projects Budget request for submission to the 1985 New Mexico Legislature for appropriation of state funds for the remedial action at the Ambrosia Lake Site. The Legislature will begin its session in January 1985, and will evaluate the appropriations request as a high Division priority.

James A. Morley, Project Director
November 1, 1984
Page 2

4. EID personnel reviewed and provided comments on the following DOE documents during the past FY: The Vicinity Properties Implementation Manual; The Health and Safety Manual; Environmental Assessment of Remedial Action at the Shiprock Uranium Mill Tailings Site, Shiprock New Mexico. Comments provided to DOE expressed the major concerns of the State as not having been adequately addressed in the documents and are available to interested parties.

The State of New Mexico looks forward to a productive year in its participation in the UMTRA Project.

Sincerely,



for Denise Fort
Director



NORTH DAKOTA
STATE DEPARTMENT OF HEALTH

State Capitol
Bismarck, North Dakota 58505

M. A. K. Lommen, M.D., R.P.E.
State Health Officer

September 14, 1984

Environmental Health Section
Missouri Office Building
1200 Missouri Avenue
Bismarck, North Dakota 58501

Mr. James A. Morley
Project Manager
Uranium Mill Tailings
Project Office
Department of Energy
Albuquerque Operations Office
P.O. Box 5400
Albuquerque, New Mexico 87115

Re: 1984 UMTRA Project
Annual Status Report to Congress

Dear Mr. Morley:

During FY 1984, this Department's activities in UMTRA have been limited.

In November of 1983, Mr. Jeff Burgess attended the Quarterly DOE/States/Tribes UMTRA Meeting. Since that time, North Dakota has not been present at subsequent quarterly meetings; however, we have been keeping informed of the UMTRA project progress.

During the late spring and early summer months of this year, this Department, in conjunction with the U.S. EPA, have monitored radon concentrations at some of the Belfield vicinity properties by the use of track etch detectors. The EPA is currently in the process of interpreting these results.

In August of this year, Mr. Gary Parker of Jacobs Engineering Group, Inc., Mr. Burgess and myself of this Department, made site visits at Belfield and Bowman. The visits were primarily visual inspections of the sites and vicinity properties.

That summarizes the FY 84 UMTRA activities of this Department. If you should have any questions, feel free to contact this Department.

Sincerely,

Dana K. Mount, P.E.
Director, Division of
Environmental Engineering

DKM/JLB:vb

Environmental
Enforcement

701-224-3234

Environmental
Engineering

701-224-2348

Environmental
Sanitation

701-224-2382

Environmental Waste
Management & Research

701-224-2366

Water Supply &
Pollution Control

701-224-2354



Department of Energy

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TOLL FREE 1-800-221-8035

October 5, 1984

James A. Morley, Project Manager
Uranium Mill Tailings Project Office
U.S. Department of Energy
Albuquerque, NM 87115

Dear Mr. Morley:

As requested by your letter of September 13, 1984 we are providing a summary of participation by Oregon in the Uranium Mill Tailings Remedial Action Program between October 1, 1983 and September 30, 1984.

Cooperative Agreement

A cooperative agreement was successfully negotiated and signed by the Oregon Department of Energy on behalf of the state June 29. To effectively support the cooperative agreement a full-time state liaison position was created effective August 16.

Public Participation

The state organized two public meetings in February, 1984 to provide general information on the remedial action program.

The Lakeview Remedial Action Committee was organized by the state February 9, 1984. The committee consists of representatives from federal, state, and local agencies, private organizations, and interested citizens. The committee has met 7 times during 1984 and has made a significant contribution to the remedial action program.

The state publishes a bi-monthly status report on the progress of work at Lakeview. This report is distributed to approximately 75 persons and organizations.

Alternate Site Selection

In March, 1984 the state together with U.S. DOE determined that tailings at Lakeview would need to be relocated to meet U.S. EPA standards. Since that time the state has worked closely with U.S. DOE and the Lakeview Advisory Committee to establish and implement an alternate site selection process. In six months this cooperative process has resulted in state approval of three alternative disposal sites.

James A. Morley
October 5, 1984
Page 2

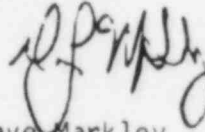
Project Funding and Schedule

The Oregon Department of Energy has developed and submitted a request for funding necessary to complete all remedial action work at Lakeview. The state legislature will convene January, 1985 and, pending approval of the request, state funds will be available July, 1985.

Due to effective lobbying and support from state elected officials the remedial action schedule has been improved by 3 months over last year's projection.

Thank you for the opportunity to provide input to your annual report.

Sincerely,



Dave Markley
Lakeview Program Manager
Siting and Regulation Division

DJM:lb
75351(D1/F1)

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