

FERNALD SILOS PROJECT PUBLIC INVOLVEMENT WORKSHOP

March 4, 1998

6:30 p.m.	Welcome/Opening Remarks	Gary Stegner
6:35 p.m.	Silos Project Background	Nina Akgunduz
6:45 p.m.	Introduction of Key Silos Projects and Project Managers	Nina Akgunduz
7:00 p.m.	Proposed Public Involvement Path Forward	Nina Akgunduz
7:30 p.m.	Stakeholder Feedback on Silos Project Public Involvement Path Forward	Gary Stegner
8:00 p.m.	Review of Action Items/Closing Remarks	Gary Stegner

Silos Project



Located on the western periphery of the Fernald site, Operable Unit 4 includes Silos 1 and 2 (K-65 Silos), Silo 3 (metal oxide silo), unused Silo 4, and ancillary structures, including the Vitrification Pilot Plant. (6385-114).

Description

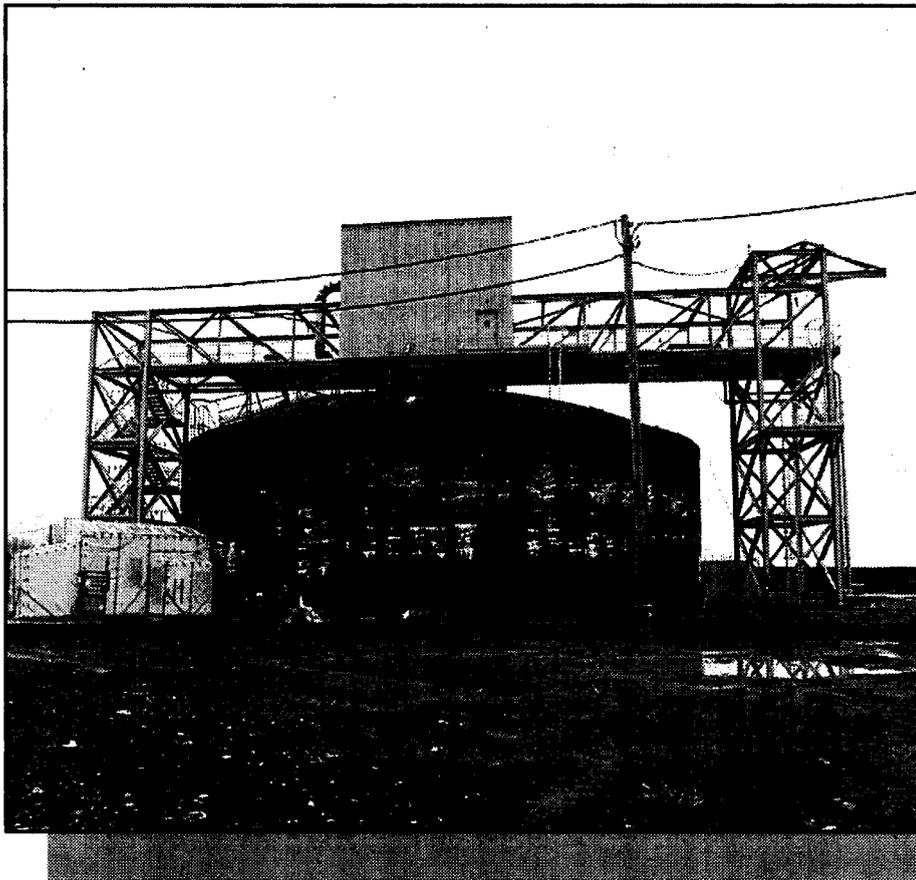
The Silos Project, (formerly known as Operable Unit 4), at the Department of Energy's (DOE) Fernald Environmental Management Project is one of five areas designated by the Environmental Protection Agency (EPA) as requiring remediation. The project is located on the western periphery of the site, and includes Silos 1 and 2 (known as the K-65 Silos), Silos 3 and 4, and nearby structures. Silos 1 and 2 contain low-level radioactive wastes dating back to the 1950s. In 1964, they were reinforced with an earthen berm, which was upgraded in 1983. Silo 3 contains cold metal oxide, and Silo 4 is unused.

Cleanup Plan

Today, activity centers on the accelerated remediation of Silo 3, with the goal of safely removing, stabilizing (on site or off site), and transporting its waste to an off-site disposal facility in a timely, efficient, and cost-effective manner. DOE expects to award a contract to a qualified vendor by spring 1999, and complete final remediation of Silo 3 by 2003.

The path-forward for Silos 1 and 2 includes a formal re-evaluation of the selected remedy—vitrification—with stakeholders and regulators. This process, known as

Fact Sheet



Mock-up and operator training is being performed on Silo 4 at the Fernald site to prepare for Silo 3 waste retrieval. (6759-27).

a Record of Decision amendment, began with a screening of stabilization technologies. These screened technologies will be tested and proven, and the results used in a detailed analysis of the alternatives and included in a revised feasibility study document. Once the amendment is complete and the remedy is chosen, a vendor will be selected to perform the full-scale remediation of Silos 1 and 2.

DOE and Fluor Daniel Fernald are now working with stakeholders to pursue accelerated waste retrieval, which involves physically removing waste from Silos 1 and 2 and placing it in transfer tanks. Accelerating this phase of the project should reduce the risk associated with

storage in the current silos, and allows the first step toward final remediation of the K-65 materials in Silos 1 and 2. Contractors will be requested to prepare proposals for retrieval and storage, with bids anticipated back during the summer of 1998. Once a vendor is selected, design and construction will begin.

Other Silos Project activities include supporting the closure of the Vitrification Pilot Plant. DOE and Fluor Daniel Fernald will remove, decontaminate and dispose of hazardous material that resulted during testing of this plant. Examples of this type of waste include lead, barium, and chromium, which are considered by-products of glass manufacturing. The overall goal is to maximize reuse of the plant's equipment.

For More Information...

More information about this and other Fernald cleanup projects is available in the Public Environmental Information Center at 10995 Hamilton-Cleves Highway (Delta Building), or on Fernald's Web site address: www.fernald.gov. Stakeholders can also learn about cleanup plans and progress at Fernald's monthly briefings held on the second Tuesday of each month.

For specific questions about Silos Project activities, call Nina Akgunduz, DOE-Fernald Team Leader at (513) 648-3110. Her e-mail address is: nina-akgunduz@fernald.gov.

SILOS PROJECT WORKSHOP

March 4, 1998



SILOS PROJECT BACKGROUND

FERNALD

Dispute Resolution/EPA Milestones:

- **Draft Explanation of Significant Differences for Silo 3 - September 15, 1997**
- **Award of Multi-Technical Proof of Principle Contract for Silos 1 & 2 - August 10, 1998**
- **Draft Supplemental Silos 1 & 2 Feasibility Study/Proposed Plan - February 1, 2000**
- **Draft Silos 1 & 2 Record of Decision Amendment - December 28, 2000**

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SILOS PROJECT PATH FORWARD

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Silos 1 & 2 Proof-of-Principle:

- **Gather the most current information on treatment technologies**
- **Incorporate into revised Feasibility Study**



SILOS PROJECT PATH FORWARD

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Silos 1 & 2 Accelerated Waste Retrieval:

- **Reduce risks**
- **First step toward final remediation**



SILOS PROJECT PATH FORWARD

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Silo 3

- **Revised Path Forward**
- **First Silo to be remediated**



SILOS PROJECT PATH FORWARD

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Key Points:

- Ongoing reviews by outside experts
- All dates on timelines are anticipated based on EPA approval and stakeholder concurrence



SILOS PROJECT PATH FORWARD

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Regular Public Involvement Opportunities

- **Updates at monthly Cleanup Progress Briefings**
- **Separate Silos Project workshops as necessary**
- **Updates at monthly Nevada CAB meetings**
- **Stakeholder briefings from Fernald Envoys**
- **Updates at established meetings (i.e. CAB, FRESH, CRO)**



SILOS PROJECT PATH FORWARD

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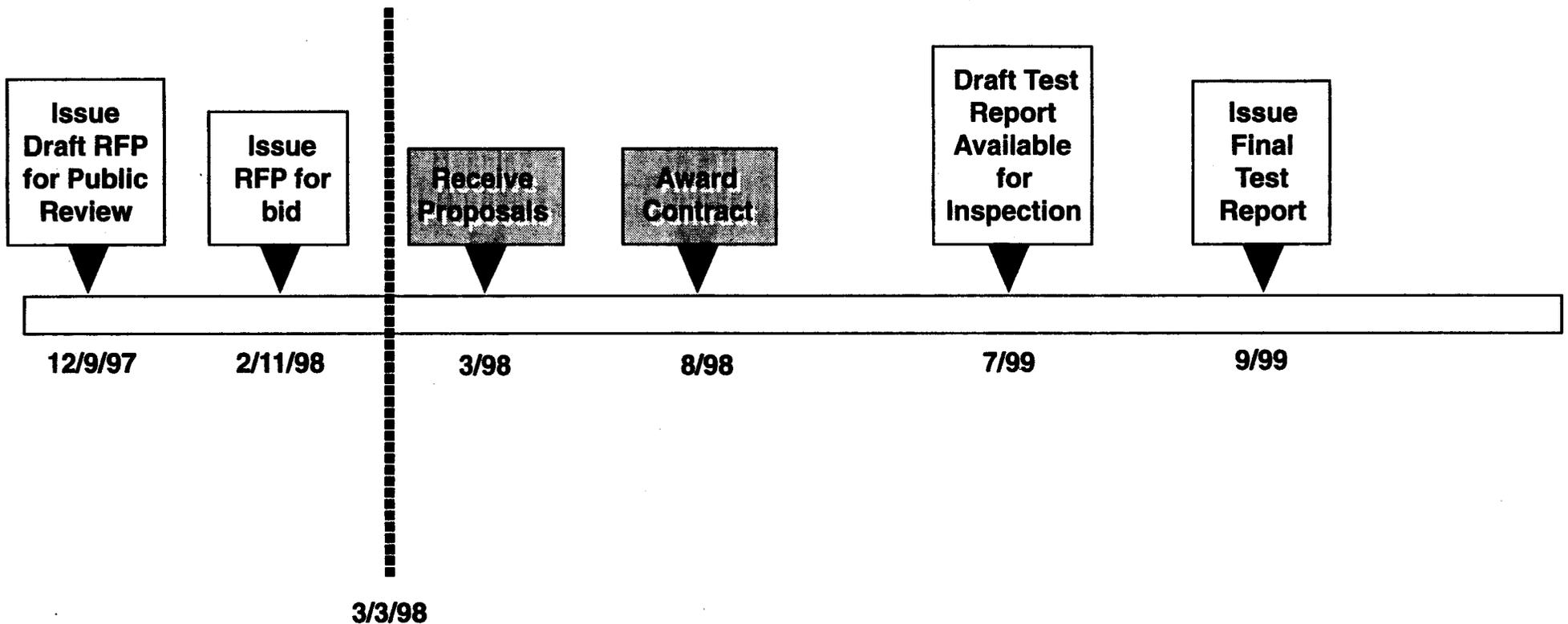
Regular Public Involvement Opportunities (cont'd)

- **Prepare/update fact sheets**
- **Publish monthly updates in Fernald Report**
- **Publish regular updates in “A Look Ahead” publication**
- **Send postcards to stakeholders announcing document availability**
- **Publish up-to-date information on Fernald’s home page**
- **Place up-to-date information in the PEIC**



SILOS 1 & 2 PROOF OF PRINCIPLE TESTING

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Public Involvement

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SILOS PROJECT PATH FORWARD

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Silos 1 & 2 Proof-of-Principle Testing

Short-term activities:

- **Issued Final Request for Proposal on February 11, 1998**
- **Expect to receive proposals - March 1998**
- **Plan to award contracts by August 10, 1998 (EPA enforceable milestone)**



SILOS PROJECT PATH FORWARD

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Silos 1 & 2 Proof-of-Principle Testing (cont'd)

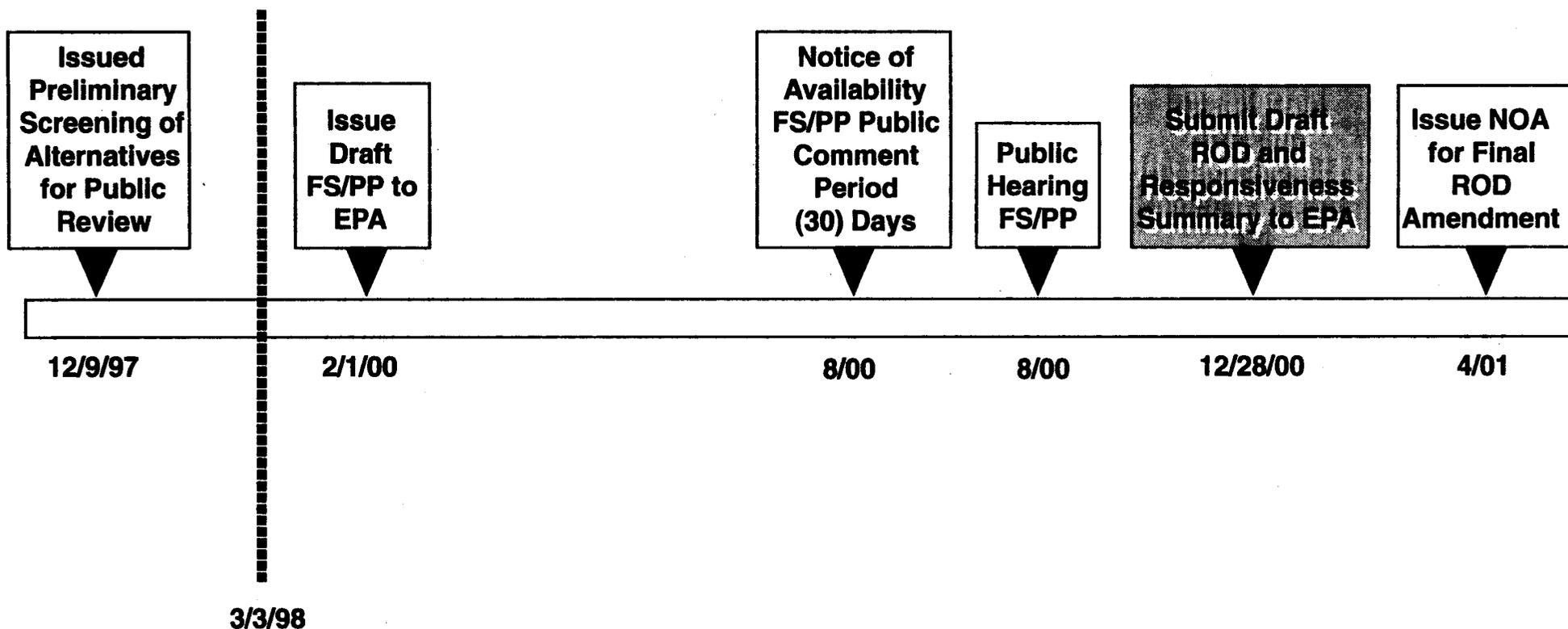
Long-term activities:

- **Draft Test Report available for inspection-
July 1999**
- **Issue Final Test Report - September 1999**



SILOS 1 & 2 REVISED FEASIBILITY STUDY/ PROPOSED PLAN & RECORD OF DECISION

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Public Involvement

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SILOS PROJECT PATH FORWARD

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Silos 1 & 2 Revised Feasibility Study (FS)/ Proposed Plan (PP) & Record of Decision

- **Issued Preliminary Screening of Alternatives for public review - December 1997**
- **Issue Draft FS/PP to regulators - February 1, 2000 (EPA enforceable milestone)**
- **Notice of Availability for draft Final FS/PP - August 2000**
- **Public hearing/comment period - August 2000**



SILOS PROJECT PATH FORWARD

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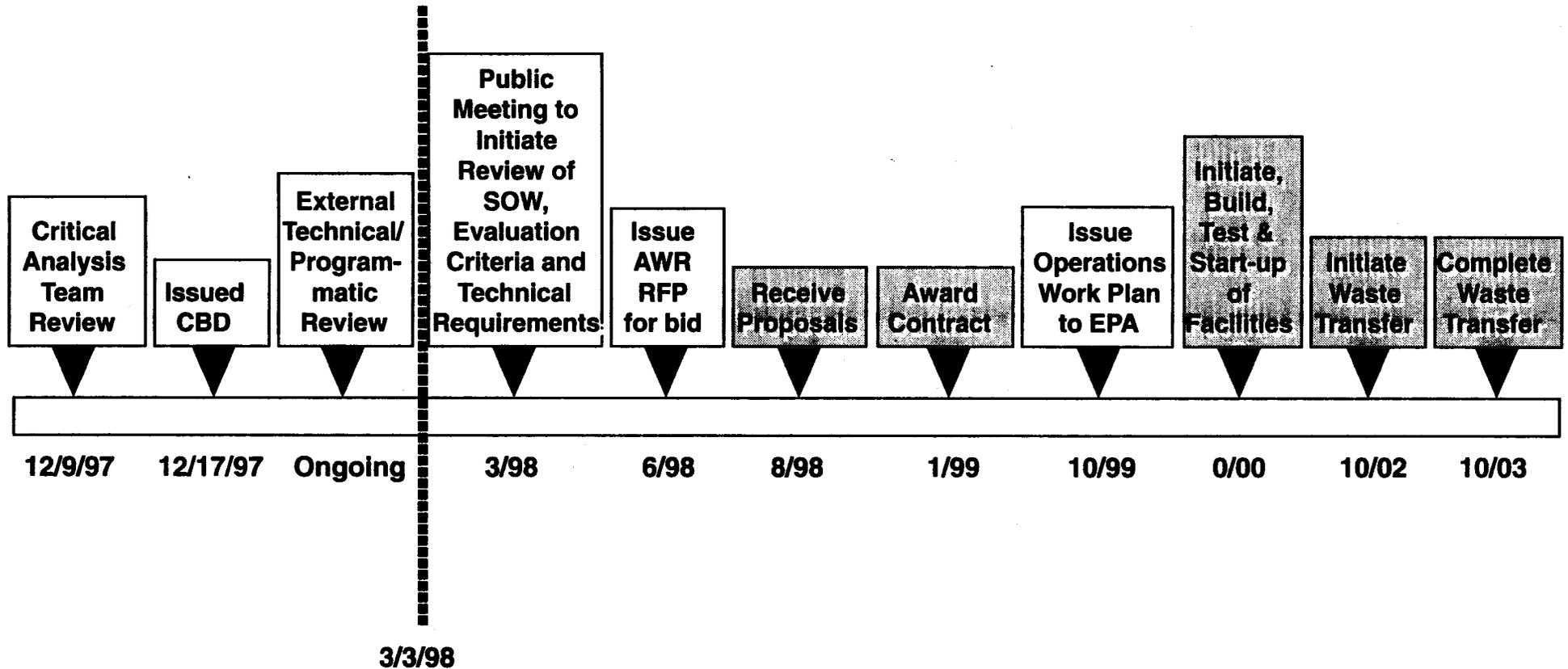
Silos 1 & 2 Revised Feasibility Study/ Proposed Plan & Record of Decision (cont'd)

- **Submit draft Record of Decision Amendment to regulators - December 28, 2000 (EPA enforceable milestone)**
- **Issue Notice of Availability for Final Record of Decision Amendment - April 2001**



SILOS 1 & 2 ACCELERATED WASTE RETRIEVAL (AWR)

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Public Involvement

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SILOS PROJECT PATH FORWARD

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Silos 1 & 2 Accelerated Waste Retrieval (AWR)

Short-term activities:

- **Public briefing to initiate review of Statement of Work, Evaluation Criteria, and Technical Requirements - March 1998**
- **Issue AWR Request for Proposal for bid - June 1998**
- **Award contract - January 1999**



SILOS PROJECT PATH FORWARD

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Silos 1 & 2 Accelerated Waste Retrieval (cont'd)

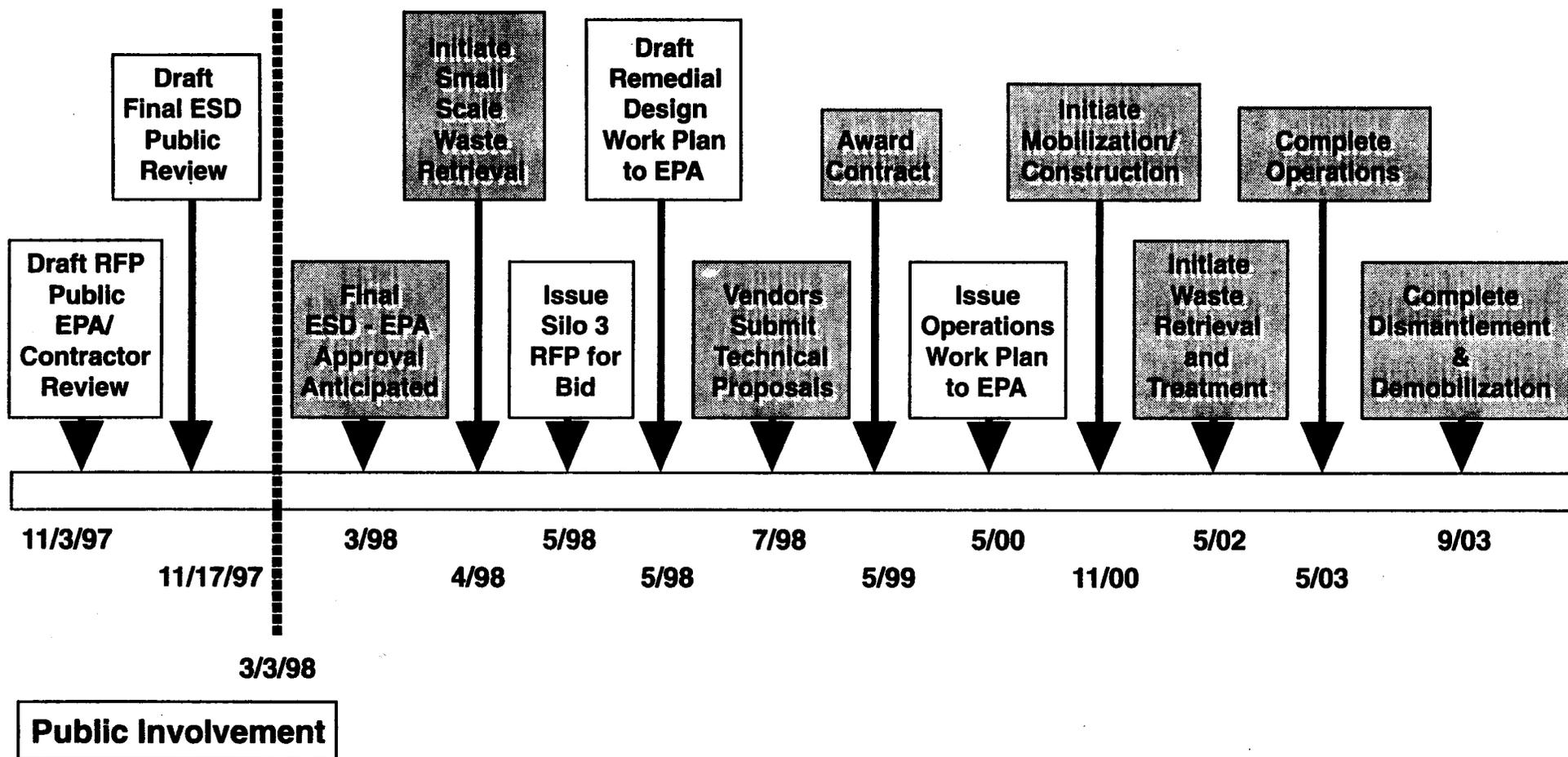
Long-term activities:

- **Issue Operations Work Plan to regulators - October 1999**
- **Initiate waste transfer - October 2002**
- **Complete waste transfer - October 2003**



SILO 3

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SILOS PROJECT PATH FORWARD

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Silo 3 Project

Short-term activities:

- **Notice of Availability for Final Explanation of Significant Differences document - March 1998 (based upon EPA approval)**
- **Issue Silo 3 RFP for bid - May 1998**
- **Submit draft Remedial Design Workplan to regulators - May 1998**



SILOS PROJECT PATH FORWARD

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Silo 3 Project (cont'd)

Long-term activities:

- **Award contract - Spring 1999**
- **Submit draft Operations Work Plan to regulators - May 2000**
- **Initiate mobilization/construction - November 2000**
- **Initiate waste retrieval and treatment - May 2002**
- **Complete operations - May 2003**
- **Complete dismantlement & demobilization - September 2003**