



**PROJECT MANAGEMENT PLAN**

**FOR**

**GEOHERMAL TEST FACILITY RESTORATION**  
**(NOT INCLUDING POND AREA)**

Prepared By:

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## 1.0 Background

The Geothermal Test Facility (GTF) is a site that has been closed for some time now and is in need of remediation and disposal. This Project Management Plan covers the demolition and disposal of the non-pond areas of the site. The demolition will include the asbestos abatement, septic system testing/disposal, and demolition of all improvements made to the site over the years. The Bureau of Land Management will work with DOE to assist with the requirements of the non-pond area cleanup.

The Project will be completed in three phases. The first phase of the project will include the asbestos abatement. The second phase will consist of the septic system testing and removal. The third and final phase will consist of the demolition of the improvements. The three phases are being implemented to ensure the safety of the workers with regard to the hazards encountered when dealing with asbestos.

## 2.0 Project Summary

The purpose of the GTF demolition project is to reclaim the non-pond areas. Adjacent to the project site is an active geothermal facility. Coordination between the active site and this project will be maintained so there is no interference with either activity. It is the goal of this project to leave the GTF site non-pond areas in as nearly the same condition as the surrounding undeveloped areas.

The project scope consists of the following:

- Asbestos abatement of pipe insulation, transite cooling tower boards, and floor tiles.
- Testing and removal of septic system.
- Removal of concrete pads, floor slabs, and pipe supports.
- Demolition of the shop building and office/lab building.
- Demolition of storage tanks.
- Demolition of piping materials.
- Demolition of equipment such as cooling tower, electrical duct banks, and platforms.
- Removal of asphalt paving.
- Removal of boundary fencing.

## 3.0 Master Milestone Schedule

The Geothermal Test Facility Demolition Milestone Schedule is shown in the attached Project schedule.

The master milestone schedule is broken down to identify the major accomplishments of the project.

#### 4.0 Project Budget

The GTF Demolition Project total budget is \$615,566. The asbestos abatement phase budget is \$24,900; septic system testing and removal is \$20,000; and the demolition of the improvements is \$570,666. There is a strong possibility of savings to the cost of the project due to salvage values of much of the materials.

Predicted salvage value of concrete is \$63,980 and the predicted salvage value of iron pipe is \$9,500. There is possible salvage of the buildings and tanks on site but no information will be available until the bidding process is well underway. The demolition contractor will be encouraged to salvage as much material as is economically feasible.

#### 5.0 Project Organization and Responsibilities

The summary of responsibilities for key personnel is shown as follows:

**DOE/GO Project Manager** - The Project Manager is directly responsible for the successful management of the project. The Project Manager is indirectly responsible to the DOE HQ Program Manager.

The Project Manager utilizes a matrix organization of DOE/GO staff, Vendors and Construction Contractors to direct all activities necessary for the project. The Project Manager is responsible for the project scope, schedule and budget and the planning, managing and reporting of all project activities.

The Project Manager is responsible for all environmental and safety aspects of the project.

**DOE Program Manager** - The Program Manager is the point of contact for the Project Manager for all user related issues. The Program Manager is responsible for the identification of the project baseline requirements. The Program Manager approves the Project Management Plan (PMP) prior to the start of the project and is part of the baseline change control process for scope, budget, and schedule changes during the project life cycle. The Program Manager is responsible for the acceptance of the project at project completion.

**DOE/GO ES&H Representative** - The ES&H Representative is the Project Manager's point of contact for safety related issues and reviews and approves the Project's safety documentation; i.e., Preliminary Hazard Analysis, Contractor's Safety Plan, etc.

**NEPA Compliance Specialist** - The NEPA Compliance Specialist is responsible for the Project NEPA documentation determinations, developments and approvals.

**Contract Administrator** - The Contract Administrator is the Purchasing Representative that manages the contract for the Project Manager.

## 6.0 Environment, Safety and Health

The proposed action has been reviewed under the National Environmental Policy Act (NEPA) and it has been determined to be categorically excluded. No further NEPA documentation is required.

A hazard analysis will be performed prior to demolition activities. This hazard analysis will identify potential demolition hazards and how the hazards will be mitigated. In addition, the demolition contractor will be required to submit a safety plan prior to contract award. The safety plan will be reviewed by the Project Manager and the Safety Representative. The selection of a demolition contractor will be based in part on the contractor's safety performance on previous construction projects.

The abatement, testing, and demolition will be performed in accordance with established DOE ES&H requirements. During demolition, the Project Manager will maintain and verify contractor compliance to DOE safety requirements and the contractor safety plan.

## 7.0 Utility Service

The Contractor will need to provide all the electrical utilities and water required for both the abatement and demolition projects. Communication utilities will also be the responsibility of the Contractor.

## 8.0 Management Reporting and Review

Project reporting and review will be performed in accordance with the matrix shown below.

<u>Method</u>	<u>Frequency</u>	<u>Review Audience</u>
Progress Report	Monthly	DOE, DOE-HQ
Project Status Report	Weekly	DOE, DOE-HQ
Project Management Plan	As required	DOE, DOE-HQ

## 9.0 Project Transition

The transition phase of the demolition project will be managed to provide a smooth and complete transfer of responsibility from demolition to the permanent tenant.

Final Project closeout will be conducted by both DOE/GO and DOE-HQ personnel to ensure all goals for the project have been accomplished to all parties satisfaction.

ID	Task Name	Duration	Start	Finish	Qtr 4, 1995			Qtr 1, 1996			Qtr 2, 1996			Jul
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
1	FUNDING DETERMINATION	2w	1/1/96	1/12/96										
2	SITE VISIT	2d	2/8/96	2/9/96										
3	ANNUAL FEE, WASTE DISCHARGE	1d	2/16/96	2/16/96										
4	ASBESTOS ABATEMENT	22d	2/19/96	3/19/96										
6	NEPA	1d	2/19/96	2/19/96										
6	STATEMENT OF WORK	1w	2/20/96	2/26/96										
7	PURCHASE ORDER	1w	2/27/96	3/4/96										
8	ABATEMENT START DATE	2w	3/5/96	3/18/96										
9	ABATEMENT COMPLETED	1d	3/19/96	3/19/96										
10	SEPTIC SYSTEM SAMPLING	17d	2/28/96	3/21/96										
11	NEPA	1d	2/28/96	2/28/96										
12	STATEMENT OF WORK	1w	2/29/96	3/6/96										
13	PURCHASE ORDER	1w	3/7/96	3/13/96										
14	SAMPLING START DATE	1w	3/14/96	3/20/96										
15	SAMPLING COMPLETED	1d	3/21/96	3/21/96										
16	DEMOLITION	52d	4/15/96	6/26/96										
17	NEPA	1d	4/15/96	4/15/96										
18	STATEMENT OF WORK	1w	4/16/96	4/22/96										
19	PURCHASE ORDER	1w	4/23/96	4/29/96										
20	DEMOLITION START DATE	8w	4/30/96	6/24/96										
21	DEMOLITION COMPLETED	1d	6/25/96	6/25/96										
22	COMPLETED EE ACTION	1d	8/1/96	8/1/96										

*Site visit slipped by a week, but the waste discharge fee has already been paid. There's this on schedule. Guy*

Project: Date: 1/11/96	Task		Summary		Rolled Up Progress	
	Progress		Rolled Up Task			
	Milestone		Rolled Up Milestone			