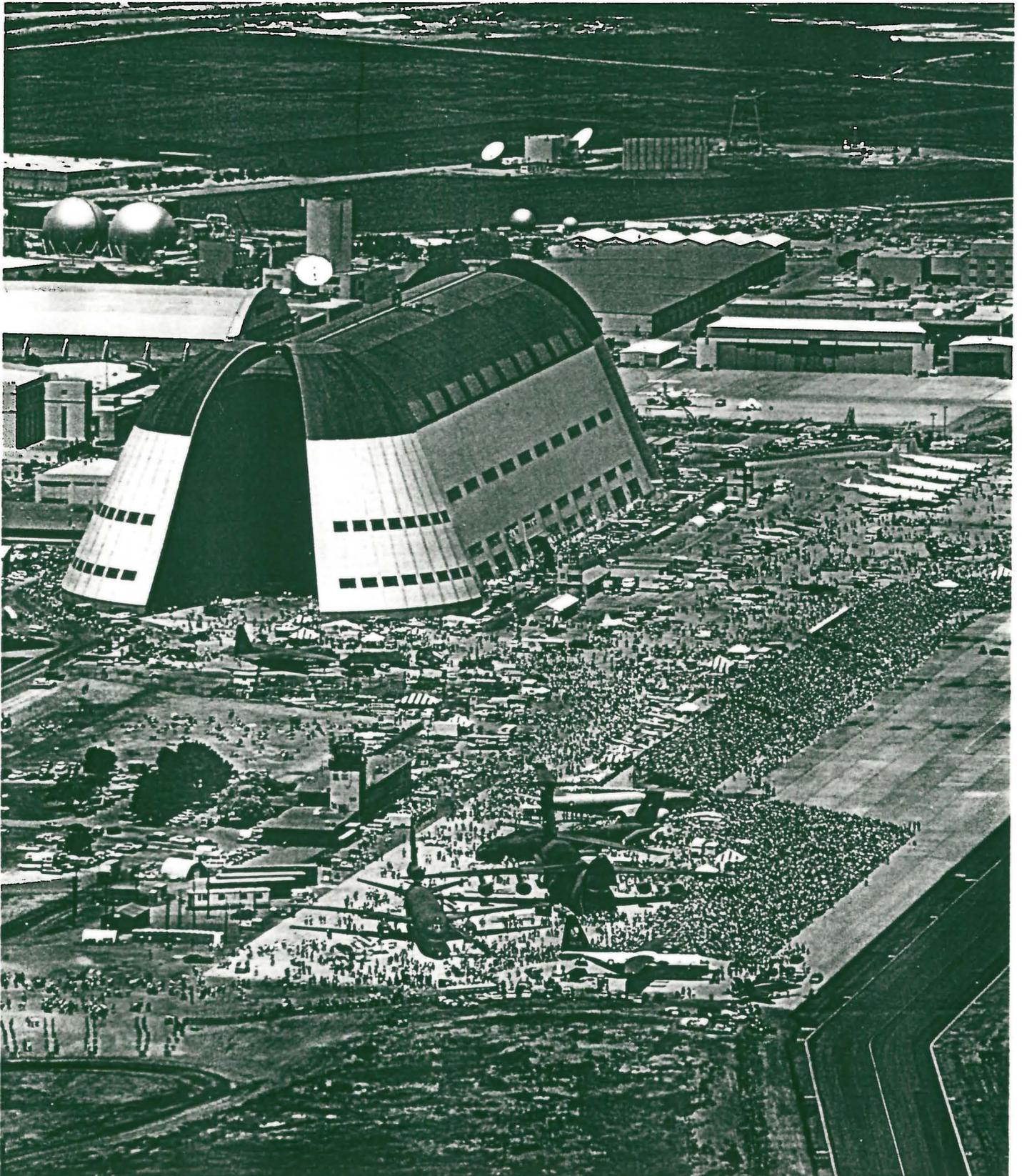




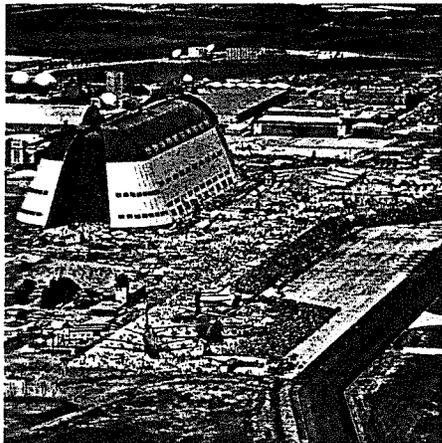
Naval Air Station Moffett Field Environmental Cleanup Process

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MOFFETT FIELD
SSIC NO. 5090.3.A





Environmental Cleanup Process Begins at Naval Air Station Moffett Field



Cover Photo—Official U.S. Navy Photo by PH2 (NAC) Larry Treat.

Introduction

This brochure is the first in a series of information releases designed to provide information about environmental cleanup activities at Naval Air Station (NAS) Moffett Field, California. This brochure includes:

- A discussion of the site history
- A description of current and planned cleanup activities
- A brief overview of community relations activities.

The U.S. Navy is conducting Installation Restoration Program (IRP) activities at NAS Moffett Field. These activities are being performed in accordance with local, state, and federal laws and regulations; guidelines developed for the federal "Superfund" program are also being used. Superfund is a program that provides funds for and the authority to the U.S. Environmental Protection Agency (EPA) to respond to existing hazardous waste problems that may threaten public health and the environment at nonfederal facilities. Congress has established a separate fund for the federal facilities program. During the investigation and cleanup of NAS Moffett Field, the Navy will coordinate site activities with several regulatory agencies. The primary agencies are EPA, the California Regional Water Quality Control Board (CRWQCB), and the California Department of Health Services (DHS).

This brochure is being distributed to interested persons as part of the Community Relations Plan (CRP) for the IRP activities at NAS Moffett Field. The brochure reflects the Navy's and other agencies' desire to keep the community informed about project activities. The identification of interested parties is not based on an evaluation of all who might be affected by the site but rather on a preliminary site mailing list. Therefore, a coupon for additions to and deletions from the site mailing list is provided at the end of this brochure.

Site History

NAS Moffett Field, formerly NAS Sunnyvale, was commissioned by the Navy in 1933. Since April 1962, the Navy has used the station to support anti-submarine warfare training and patrol squadrons.

NAS Moffett Field is participating in the IRP, the program by which the Department of Defense has been identifying and evaluating its past hazardous waste sites and controlling the spread of contaminants from these sites.

The Navy began its environmental investigation of NAS Moffett Field under the Navy Assessment and Control of Installation Pollutants (NACIP) Program. Two phases of preliminary work were conducted under this program, the Initial Assessment Study (IAS) and the Confirmation Study (CS). The purpose of this preliminary work was to gather data on the past use and disposal of hazardous materials by the Navy at NAS Moffett Field.

The IAS report recommended that several sites be investigated. Based on these conclusions and the recommendations of the CRWQCB, DHS, and EPA, ten sites were investigated in the CS. The CS consisted of geophysical surveys, soil borings, ground water monitoring wells, soil and ground water sampling, and laboratory analyses of samples. The CS was completed in 1986. The station was proposed as a National Priorities List (NPL) site by EPA in June 1986 and was placed on the NPL in July 1987.

In mid-1987, the NACIP Program was renamed the IRP, and an effort was made to follow the terminology and procedures used by EPA in its Superfund program.

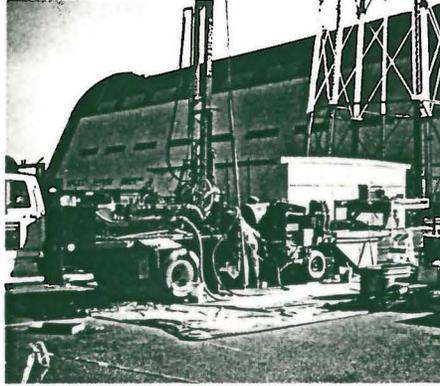
Environmental Protection Agency Superfund and Installation Restoration Program Terminology



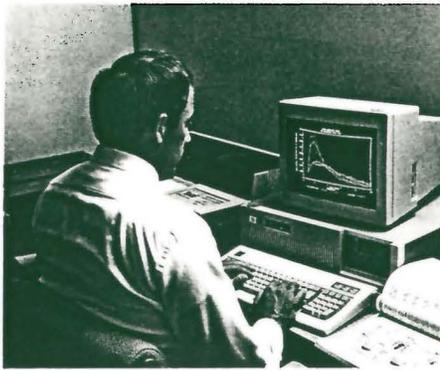
1. **Preliminary Assessment.** A preliminary analysis that is based on readily available information such as site management practices, information from generators, photographs, literature, and personnel interviews. This assessment helps to evaluate the urgency of the situation.



2. **Site Inspection.** An investigation that involves initial sampling to better assess the potential for release or threat of release and evaluates if a site may pose a threat to human health or the environment.



3. **Remedial Investigation.** An investigation designed to provide the necessary database to characterize the site.



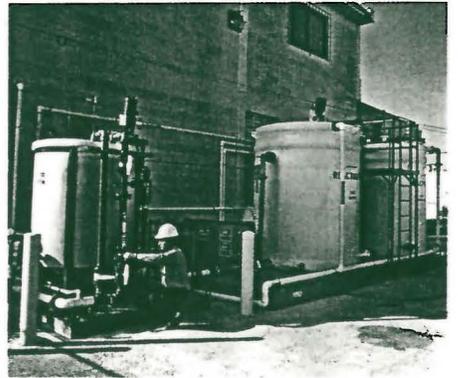
4. **Feasibility Study.** The database developed during the RI is used during the FS to screen and evaluate the appropriate remedial alternatives.



5. **Record of Decision.** The written record describes the appropriate remedy for the cleanup of a site and relies on the RI/FS.



6. **Remedial Design.** In the remedial design phase, all technical drawings, specifications, and other supporting documents are prepared for the selected cleanup measures. Cost estimates for cleanup are also prepared in the remedial design phase.



7. **Remedial Action.** Implementation of the selected cleanup measures.

Under the IRP, the Navy's IAS and CS are equivalent to the Preliminary Assessment/Site Inspection (PA/SI) phase of the Superfund program.

Data collected during the IAS and CS are being used in planning the Remedial Investigation/Feasibility Study (RI/FS) at NAS Moffett Field. The RI for NAS Moffett Field is designed to collect additional data to characterize the extent of contamination and to evaluate the potential threats to public health and/or to the environment. These data will also be used to evaluate cleanup measures in the FS, which is conducted somewhat concurrently with the RI. At the completion of the RI FS, a report will be prepared and submitted to the regulatory agencies for review and comment as well as a proposed plan for remedial action. Due to the listing on the NPL, NAS Moffett Field must enter into an Interagency Agreement with EPA on the selection of remedial action(s). Preliminary discussions with EPA on the Interagency Agreement began in November 1988.

Following receipt of public comments on the proposed plan, a Record of Decision (ROD) will be developed which describes the selected cleanup measure(s). The ROD is followed by design of the cleanup measures and then by implementation of these measures. In some cases, cleanup activities can take several years to complete.

Current and Planned Activities

As a result of evaluation of the data from the Navy's IAS and CS and other more recent information, 19 sites have now been identified for further investigation during the RI.

The Navy has submitted the Work Plan for the RI for review by federal, state, and local regulatory agencies. Planning documents, including the Sampling and Analysis Plan, Solid Waste Analysis Plan, Quality Assurance Project Plan, and Health and Safety Plan were submitted in December 1987. After regulatory agency review, the planning documents were finalized in April and May 1988.

The RI involves obtaining surface and subsurface soil samples. Monitoring wells are being installed to obtain water samples of the shallow and deep ground water zones beneath NAS Moffett Field. Some sampling is also being conducted in the marsh areas adjacent to the station.

Safety precautions restrict the release of any contaminants into the environment due to the investigation activities, and access is limited in areas immediately surrounding these activities. The size of the restricted areas is generally small, and restrictions are not anticipated to have any major impacts on base operations. All contaminated equipment and materials are being decontaminated or disposed of in a proper manner.

The RI is expected to take 24 months and includes soils gas surveying, soil sampling, ground water monitoring well installation and sampling, and report preparation. The RI is scheduled to be completed in 1990.

Community Relations Activities

The objectives of the community relations program are to establish two-way communication between the community, the Navy, and the regulatory agencies; to keep the community informed of ongoing cleanup activities at NAS Moffett Field; and to address community concerns about such activities during the IRP.

Community relations activities include conducting interviews with community members and other interested individuals, establishing an information repository, issuing information releases, and preparing the CRP. The CRP will describe a community relations program for the cleanup activities at NAS Moffett Field. The information repository will be updated regularly and will be located at:

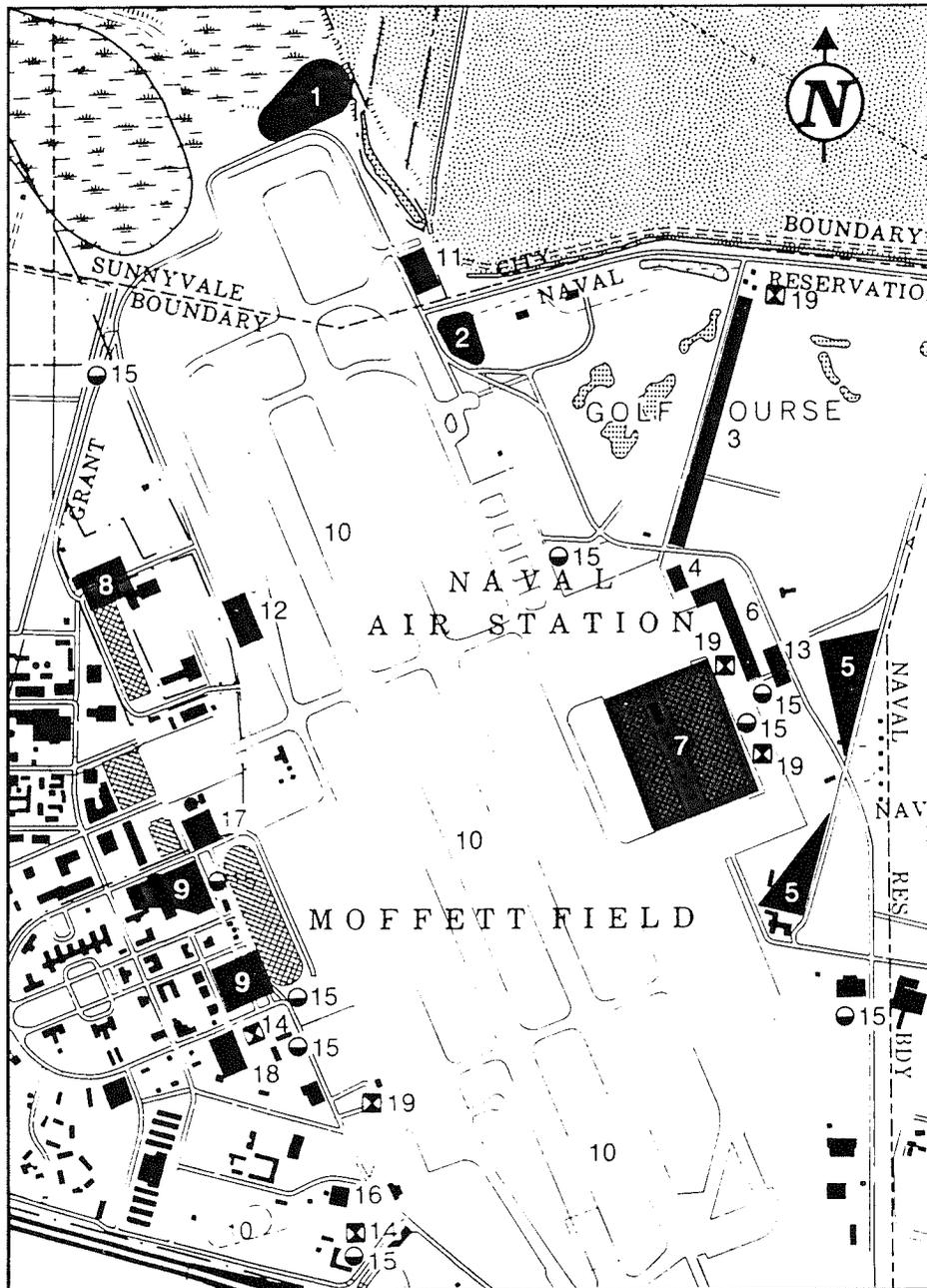
City of Mountain View Library
585 Franklin Street
Mountain View, California 94041
Contact: Reference Desk

An additional repository has been established by the Commanding Officer at NAS Moffett Field for base personnel and residents. The Mountain View and base repositories will contain the same information. Newsletters, press releases, reports, and other site-related community relations documents will be placed at the repositories. In addition, the Navy's documents related to the cleanup activities will be placed in these repositories as they are released.

If you would like more information, or have questions or comments, please write or call:

Public Affairs Office
Naval Air Station
Moffett Field, CA 94035
Phone: 415-966-5976
Fax: 415-966-5553

Potentially Contaminated Sites



Site	Type of Waste
SITE 1	Runway landfill Solvents, oils
SITE 2	Golf course landfill Transformer oil (PCBs), solvents
SITE 3	Marriage Road ditch Solvents, fuels, paints
SITE 4	Former industrial wastewater surface impoundments Solvents, fuels, oils
SITE 5	Fuel farm french drains Volatile organics
SITE 6	Runway apron Solvents, oils, fuels, paints
SITE 7	Unpaved areas surrounding Hangars 2 and 3 Paints, oils, solvents, fuels
SITE 8	Waste oil transfer area Transformer oil (PCBs), solvents
SITE 9	Old fuel farm Paints, oils, solvents
SITE 10	Chase park area (and runway) Oils, fuels, solvents
SITE 11	Engine test stand area Oils, metals
SITE 12	Firefighting training area Fuels, solvents, firefighting agents
SITE 13	Equipment parking area (B-142) Fuels, oils, solvents
SITE 14	Abandoned tanks (Nos. 19, 20, 67, and 68) Tank contents unknown; tanks 19 and 20 have already been removed
SITE 15	Nine sumps and oil/water separators Oils, neutralized battery acid
SITE 16	PW steam rack sump No. 61 Petroleum hydrocarbons
SITE 17	Paint shop sump No. 61 Paints, solvents
SITE 18	Dry cleaners sump No. 66 Solvents
SITE 19	Leaking tanks (Nos. 2, 14, 43, and 53) Fuels, solvents, oils, paint, battery acid

**NAS Moffett Field
Environmental Cleanup
Activities Information Release
Mailing List**

The Navy desires to identify and keep a current mailing list of those parties interested in being informed about the environmental cleanup activities at NAS Moffett Field. If you would like your name added to or deleted from the Naval Air Station, Moffett Field mailing list, please check the appropriate box, complete this form, and mail it to:

Public Affairs Officer
Naval Air Station, Moffett Field
Moffett Field, CA 94035

- Add my name
- Remove my name

Name: _____

Address: _____

City: _____

State: _____ Zip: _____

Organization: _____