Ames Procedural Requirements

APR 8800.3

New Chapter to the Environmental Procedural Requirements

COMPLIANCE IS MANDATORY

Chapter 28 - Archeological and Historic Resources

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28.1 Applicability

This instruction applies to all civil servants, contractors employees, and partner / resident agencies, at NASA Ames Research Center (Ames), and Crows Landing Flight Facility.

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28.2 Purpose

Ames Research Center (ARC) occupies approximately 2,000 acres of land bordering the cities of Sunnyvale and Mountain View. In 1994 ARC accepted jurisdiction over the property previously occupied by the United States Navy. Included in this jurisdiction is the Shenandoah Plaza Historic District. The Shenandoah Plaza District was nominated to the National Register of Historic Places by the United States Navy, and was listed by the U.S. Park Service. Historic features of the Shenandoah Plaza Historic District include;

- Hangar 1- constructed in 1932 for the USS Macon dirigible and is listed on the National Register of Historic Places (NRHP) for its architectural, historical, and engineering qualities both individually and as contributing element of the Shenandoah Plaza Historic District,
- Shenandoah Plaza Historic District- A group of historically significant buildings that exemplify Spanish Mission Revival architectural styles of the 1920s and 1930s. The buildings are clustered symmetrically in a formal campus-like layout that includes grand boulevards, broad expanses on manicured lawns, mature trees and shrubs.

The Unitary Plant Wind Tunnel, located in the Ames Campus, was listed as a National Historic Landmark in 1985

Buildings [redacted] [redacted] and [redacted] have been evaluated and are considered to be eligible for inclusion in the National Register. Applications for listing were submitted (2003)to the SHPO for review and comment.

Federal Agencies with jurisdiction over Federal, Federally assisted, or Federally licensed facilities are required to take into account the effects of the agencies undertaking on properties included in or eligible for the National Register of Historic Places and, prior to approval of an undertaking, to afford the (SHPO) a reasonable opportunity to comment on the undertaking.

Federal agencies are required take necessary actions to minimize, to the maximum extent possible, harm to any National Historic Landmark that may be directly and adversely affected by an undertaking and, prior to approval of such undertaking, afford the Council a reasonable opportunity to comment .

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28.3 Policy

It is the policy of Ames Research Center to ensure that any action authorized, funded, or carried out minimizes to the maximum extent possible any change in the character or use of properties, included or are eligible for inclusion in the National Register. ARC will take into account the effect of any undertaking on any district, site building, structure or object that is included in or eligible for

inclusion the national Register. ARC will afford the Advisory Council on Historic Preservation and SHPO a reasonable opportunity to comment with regard to such undertaking.

It is the policy of Ames Research Center to ensure that any action authorized, funded or carried out is not likely to jeopardize or adversely affect archeological resources.

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28.4 Authority

1. Archaeological and Historic Preservation Act of 1974 (USC S 469)
2. Archaeological Resources Protection Act (16 USC S 470 aa-47011) National 3. 3. 3. Historic Preservation Act of 1966, as amended (16 USC S 470)
3. Native American Graves Protection and Repatriation Act of 1990 (25USC S3001 et seq.)
4. National Environmental Policy Act of 1969 (42 USC S4321-4347)
5. American Indian religious Freedom Act (42 USC S 1966)
6. Housing and Community Development Act (42 USC 5301 et seq.)
7. Executive Order 13287 Preserve America

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28.5 Responsibilities

28.5.1 Environmental Services Office, Code QE Shall (Environmental Office)

1. Maintain and review the inventory of significant buildings, structures, and objects in the Shenandoah Plaza Historic District, Ames Campus and the NASA Research Park.
2. Conduct periodic surveys to ensure that activities in the Shenandoah Plaza Historic District are consistent with historic guidelines.
3. Participate in the planning process for the NASA Research Park to ensure that historic guidelines and regulations are taken into consideration when developing plans for new construction.
4. Participate in the planning process for new development activities in the Ames Campus to determine if any new development will affect historic resources.
5. Maintain an accurate inventory of all Ames Research Center buildings in order to determine potential eligibility for listing as historic properties.
6. Validate the need and coordinate with the NASA Ames Research Center Historic Preservation Officer for processing with the SHPO Office.
7.
8. Coordinate and review production of technical historic resource studies and reports on an as needed, ongoing basis.

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28.5.2 Plant Engineering Code PFP Shall:

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28.5.3 Plant Engineering, Code (PFE) Shall:

28.5.4 External Relations Development Office Shall:

28.5.5 Facilities Planning (PF) Shall

[redacted]

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28.6 Definitions

28.6.1 Agency Official

Means the Federal agency head or a designee with authority over a specific undertaking including any State or local government official who has been delegated legal responsibility for compliance with Section 106 and Section 110(f) in accordance with law.

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28.6.2 Areas of Potential effects

Means the geographic area or areas within which an undertaking may cause changes in character or use of historic properties, if any such properties exist.

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28.6.3 Council

Means the Advisory Council on Historic Preservation or Council member or employee designated to act for the Council.

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28.6.4 Historic Property

Means any prehistoric or historic district, site, building, structure or object included in, or eligible for inclusion in, the national Register. The term "eligible for inclusion in the national Register" includes both properties formally determined as such by the Secretary of the Interior and all other propertied that meet National Register listing criteria. This also includes, artifacts, records, and remains that are related to and located within listed properties.

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28.6.5 Interested Person

Means those organizations and individuals that are concerned with the effects of an undertaking on historic properties.

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28.6.6 Local Government

Means a city, county, parish, township, municipality, borough, or other general purpose political subdivision of a State.

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28.6.7 National Historic Landmark

Means a historic property that the Secretary of the Interior has designated a National Historic Landmark.

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28.6.8 National Register

Means the national Register of Historic Places maintained by the Secretary of the Interior.

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28.6.9 National Register Criteria

Means the criteria established by the Secretary of the Interior for use in evaluating the eligibility of properties for the National Register.

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28.6.10 Secretary

Means the Secretary of the Interior.

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28.6.11 State Historic Preservation Officer

Means the official appointed pursuant to section 101(b) (1) of the Act to administer the State historic preservation program or a representative designated to act for the State Historic Preservation Officer.

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28.6.12 Undertaking Means any project, activity, or program that can result in changes in the character or use of historic properties, if any such historic properties are located in the area of potential effects. The project, activity, or program must be under the direct or indirect jurisdiction of a Federal Agency or licensed or assisted by a Federal Agency. Undertakings include new and continuing projects, activities, or programs and any of their elements not previously considered under Section 106.

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28.7.1Contributing Properties within Shenandoah Plaza Historic District Building

Building Number	*Building Name/ Historic Use*	*Year Built*	*Eligible*	*Reason*	*Source*
[redacted]	Hangar 1	1933	Y	A,C	1
[redacted]	Hangar 2	1943	Y	A,C	1
[redacted]	Hangar 3	1943	Y	A,C	1
[redacted]	Balloon Hangar	1933	Y	A,C	1
[redacted]	Water Tower	1933	Y	A,C	1
[redacted]	Heat Plant	1933	Y	A,C	1
[redacted]	Fire Station/Laundry	1933	Y	A,C	1
[redacted]	Locomotive Crane Shed	1933	Y	A,C	1
[redacted]	Admirals Building	1933	Y	A,C	1
[redacted]	Aerological Center	1933	Y	A,C	1
[redacted]	Bachelor Enlisted Quarters	1933	Y	A,C	1
[redacted]	Bachelor Officers Quarters	1933	Y	A,C	1
[redacted]	Bachelor Officers Garage	1933	Y	A,C	1
[redacted]	Bachelor Officers Garage	1933	Y	A,C	1
[redacted]	Dispensary	1933	Y	A,C	1
[redacted]	Ambulance Garage	1933	Y	A,C	1
[redacted]	Bowling Alley/Theater	1933	Y	A,C	1
[redacted]	Gate House/Iron Fence	1933	Y	A,C	1
[redacted]	Floodlight Tower	1933	Y	A,C	1
[redacted]	Floodlight Tower	1933	Y	A,C	1
[redacted]	Scale House	1933	Y	A,C	1
[redacted]	Flagpole	1933	Y	A,C	1
[redacted]	Heat Plant for Hangars 2 and 3	1943	Y	A,C	1
[redacted]	Anchor		Y	A,C	1
[redacted]	Commons	1933	Y	A,C	1
[redacted]	Nominated for Listing	1943/44/46	Pending		

28.7.2 Non Contributing Properties within Shenandoah Plaza Historic District

Building Number	Historic Use	Year Built	Eligible	Reason	Source
[redacted]	Officers Club	1933		Loss of integrity	1
	Public Works/Storage	1933		Loss of integrity	1
	Commissary	1933		Loss of integrity	1
	Commissary Storage	1933		Loss of integrity	1
	Library	1933		Loss of integrity	1
	Office Equipment/Repair	1932		Loss of integrity	1
	Commissary Storage	1933		Loss of integrity	1
	Photo Shop	1934		Unremarkable	1
	Sentry House Main Gate	1934		Loss of integrity	1
	Tennis Courts	Unknown		Unremarkable	4
	Storage	1942		Unremarkable	1
	Public Works Paint Shop	1944		Unremarkable	1, 2
	Ceramics Shop	1940		Unremarkable	1, 2
	Post Office	1950		Unremarkable	5
	Inspectors Office	1944		Loss of integrity	1
	Telephone Switch Building	Unknown		Criterion G	4
	Battery/ Supply Storage	1944		Unremarkable	1, 4
	Maintenance Equipment	1944		Unremarkable	1
	Metalizing Shop	1944		Unremarkable	1
	Aircraft Welding Shop	1946		Unremarkable	3
	Warehouse	1949		Unremarkable	3
	Paint, Oil Storage	1950		Unremarkable, G	3
	Line Maintenance Shelter	1956		Unremarkable, G	3
	Line Maintenance Shelter	1956		Unremarkable, G	3
	Line Maintenance Shelter	1950		Unremarkable, G	1, 3
	Line Maintenance Shelter	1950		Unremarkable, G	1, 3
	Line Maintenance Shelter	Unknown		Unremarkable, G	3
	Unknown	1948		Unremarkable	1, 3
	Storage	1950		Unremarkable, G	3
	Public Works Storage	1933		Unremarkable	1, 2
	Air Frames Shop	1961		Unremarkable, G	1, 3
	Stand-by Generator	1963		Unremarkable, G	3
	Racquetball Court	Unknown		Unremarkable, G	4
	Painting, Washing Facility	1963		Unremarkable, G	3
	Covered Storage	1965		Unremarkable, G	2
	Covered Storage	1966		Unremarkable, G	1, 3
[redacted]	Unknown	1968		Unremarkable, G	3

Source:
1. Shenandoah Plaza Historic District Nomination Form (1991)
2. NAS Moffett Field Historical Survey (1991)
3. Final Inventory and Evaluation of Cold War Era Resources Moffett Federal Airfield (1999)
4. Moffett Field Historic Resources Protection Plan, November (2000)
5. Lorie Garcia's Building Evaluation (2000).

[redacted]	Unknown	1967		Unremarkable, G	3
	Storage	1953		Unremarkable, G	3
	Line Maintenance Shelter	1972		Unremarkable, G	1, 3
	Line Maintenance Shelter	1972		Unremarkable, G	1, 3
	Incinerator	1973		Unremarkable, G	3
	Administration	1979		Unremarkable, G	3
	Warehouse	1978		Unremarkable, G	3
	Administration	1978		Unremarkable, G	3
	Unknown	1978		Unremarkable, G	3
	Sign Board	1982		Unremarkable, G	3
	Administrative Office	1940		Loss of integrity	1, 2
	Navy Exchange	1940		Loss of integrity	1, 2

Source:
1. Shenandoah Plaza Historic District Nomination Form (1991)
2. NAS Moffett Field Historical Survey (1991)
3. Final Inventory and Evaluation of Cold War Era Resources Moffett Federal Airfield (1999)
4. Moffett Field Historic Resources Protection Plan, November (2000)

Ineligible Buildings and Structures Outside Shenandoah Plaza Historic District, within the NASA Research Park

Building Number	Historic Use	Year Built	Eligible	Reason	Source
[redacted]	Communications	1958		Unremarkable, G	3
	Sentry House, South Gate	1944		Unremarkable	2, 4
	Athletic Storage	1944		Unremarkable	4
	Line Operations	1944		Unremarkable	1, 4
	Distribution Substation	1943		Unremarkable	4
	Administration	1948		Unremarkable, G	3
	Swimming Pool	1948		Unremarkable, G	4
	Pool House	1948		Unremarkable	3
	Transportation Storage	1944		Unremarkable	4
	Storage	1990s		Unremarkable, G	4
	Line Maintenance Shelter	1944		Unremarkable	4
	Line Maintenance Storage	1944		Unremarkable	4
	Public Works Garage	1952		Unremarkable, G	3
	Barracks	1953		Unremarkable	5
	Barracks	1953		Unremarkable	5
	Barracks	1953		Unremarkable	5
	Barracks	1953		Unremarkable	5
	Enlisted Men's Diner	1953		Unremarkable,	5
	Barracks	1953		Unremarkable,	5
	Barracks	1953		Unremarkable,	5
	Barracks	1953		Unremarkable,	53
	Barracks	1953		Unremarkable,	3
	Flight Operations	1954		Unremarkable	5
	Gas Station	1952		Unremarkable, G	3
	Unknown	1955		Unremarkable, G	3
	Receiver Building	1958		Unremarkable, G	3
	Unknown	1958	No	Unremarkable, G	3
	Riggers Shop	1942	No	Unremarkable	4
	Line Operations Storage	1942	No	Unremarkable	4
	Covered Storage	Unknown	No	Unremarkable	4
	Line Operations Shelter	1950	No	Unremarkable, G	3
	Unknown	1958	No	Unremarkable, G	3
	Fueling Station	Unknown	No	Unremarkable	4
	Vehicle Washrack	Unknown	No	Unremarkable	4
	Transmission Building	1960	No	Unremarkable, G	3
	Unknown	Unknown	No	Unremarkable, G	3
	Communications Antenna	1960	No	Unremarkable, G	3

Source:
1. Shenandoah Plaza Historic District Nomination Form (1991)
2. NAS Moffett Field Historical Survey (1991)
3. Final Inventory and Evaluation of Cold War Era Resources Moffett Federal Airfield (1999)
4. Moffett Field Historic Resources Protection Plan, November (2000)
5. Lori Garcia's Evaluation Report, November (2000)

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28.8 Metrics

Percent compliance with Federal and State archeological and historic resource regulations. Goal 100% compliance

Percent of projects undertaken within the Shenandoah Plaza Historic District with appropriate review/approval. Goal 100%

Percent of buildings over 50 years old evaluated for eligibility in the National Register of Historic Places. Goal 100%

Percent of archeological sites protected. Goal 100%

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28. 9 Unexpected Discovery Plan

The following detailed mitigation measure applies to any proposed subsurface construction work or other activity that would disturb cultural materials, especially those located in known sensitive areas. This mitigation measure should be included in the construction drawings or specifications.

In the event of the discovery of human remains / and or cultural materials, there shall be no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains.

All project-related construction shall cease within a 50-foot radius of the remains. The responsible Federal agency official shall be immediately notified. At Ames Research Center the responsible Federal agency official is the Ames Environmental Services Office [redacted]. The Environmental Services Office will follow the procedures and requirements contained in section 10.3 through 10. 5 (e) 43 CFR and section 3 (c) and (d) 25 USC.

In the event of the discovery of human remains, the construction manager shall notify the Ames Environmental Office. The Ames Environmental Office shall notify Santa Clara County Coroner. The Coroner shall make a determination as to whether the remains are Native American(s). Ames Environmental Services will be notified if the Coroner's office determines that the remains are not subject to its' authority.

> In addition, Ames Environmental Office shall notify the NASA Federal Preservation Officer, code, JE, NASA Headquarters, in order to initiate the coordination with the Department of Interior Office of the Consulting Federal Archeologist.

Notification will be provided, by telephone, with written confirmation to; (1) the Indian Tribes or organizations likely to be affiliated with the inadvertently discovered objects. (2) The Indian Tribe or organization which aboriginally occupied the area. (3) Any other Indian tribe that is known to have a cultural relationship with the objects.

Notification will be provided to the Indian Tribes or relevant organizations including pertinent information as to the kinds of human remains, funerary objects, sacred objects, or objects of cultural patrimony, their condition, and the circumstances of their inadvertent discovery.

Consultation with known lineal descendents and Indian tribe officials will be provided in order to identify the Indian Tribes or relevant organization entitled to custody of the remains or objects.

It is not considered that there is a high potential for inadvertent exposure of prehistoric Native American skeletal remains and associated grave goods at Moffett Field. However, the region's Native Americans consider the graves of their ancestors to be of utmost importance. The remains and the offerings buried with them are sacred to the Native Americans, and there is a strong desire among this community to prevent disturbance of burial sites. The Native American Graves Protection and Repatriation Act (NAGPRA: Section 3) requires federal agencies to consult with likely descendants and Indian tribes prior to intentional excavation, and requires cessation of activity and notification of tribes when there is an inadvertent discovery of Native American skeletal remains on federal land. The State of California Native American Heritage Commission (Attention: Execution Secretary, 915 Capitol Mall, Room 288, Sacramento, CA 95814) can provide a list of tribes and most likely descendants on request.

In the event of discovery of Native American skeletal remains, the implementing regulations 43 CFR

10, subpart B (Federal Register 60 (232); 62134-62169, December 4, 1995) of NAGPRA shall be followed:

- Curation of any recovered archeological materials not associated with Native American skeletal remains shall be in accordance with 36 CFR 79, Curation of Federally Owned and Administered Archeological collections Final Rule (Federal Register 55 (177:5-37639), 12 September 1990. Local repositories meeting the curation standards for archeological materials shall be selected over distant repositories whenever possible.
- All archeological work shall be conducted under the direction of professional archeologists meeting the qualification standards described in Archeology and Historic Preservation; Secretary of the Interior" Standards (Federal Register 48 (190:44716-44742, September 29, 1983).

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