



**DEPARTMENT OF PARKS AND RECREATION  
OFFICE OF HISTORIC PRESERVATION**

Lisa Ann L. Mangat, *Director*

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September 4, 2019

In reply, refer to: NASA\_2019\_0802\_001

Mr. Jonathan Ikan  
Center Cultural Resources Manager  
NASA Ames Research Center  
Mail Stop 213-8  
Moffett Field, CA 94035

Subject: Building 45 Heating Project, Moffett Federal Airfield, NASA Ames Research Center, Santa Clara County, CA

Dear Mr. Ikan:

The California State Historic Preservation Officer (SHPO) has received the August 2, 2019, letter initiating consultation regarding an undertaking at NASA Ames Research Center (ARC). NASA is consulting with the State Historic Preservation Officer (SHPO) in order to comply with Section 106 of the National Historic Preservation Act of 1966 (54 U.S.C. §306108), as amended, and its implementing regulations at 36 CFR Part 800.

Along with the letter, NASA submitted a memorandum prepared by AECOM and dated August 2, 2019, that provides the Section 106 analysis, project maps, photographs, and plans. The proposed undertaking, as described, involves installing new heating equipment in Building 45. Work will include the following components.

- Install a gas-powered infrared heating system with suspended panels from the ceiling in the high bay area, and gas-powered unit heaters in Room 103.
- Route natural gas piping from an existing underground utility line to Building 45.
- Provide separate temperature controls for three zones in the high bay and for units in Room 103.
- Provide and install power from existing electrical panel.

A new underground gas line will require a trench approximately 80 feet long and three feet deep. Installing the high bay heating panels will require seismic bracing chains and blocking to be added to the ceiling joists.

NASA defined an Area of Potential Effect (APE) for this undertaking that encompasses the footprint of Building 45 and a 50-foot buffer and extends 3 feet deep. Based upon previous surveys, including one in 2017, no previously identified archaeological resources are located within the vicinity of Building 45 and work would be limited to

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previously disturbed areas. Building 45 has not been evaluated for National Register eligibility, so NASA proposes to treat it as eligible for the purposes of this consultation. No other historic properties are located within the APE.

NASA finds that the project would add elements to Building 45, but would not compromise its integrity. Therefore, NASA proposes a Finding of No Adverse Effect.

After reviewing the information submitted, the SHPO offers the following comments.

- This project qualifies as an undertaking with the potential to affect historic properties.
- The APE appears to be sufficient to take effects of the undertaking into account.
- Identification and evaluation efforts are sufficient, including the proposal to treat Building 45 as eligible.
- Based upon the information submitted, the SHPO has no objection to the proposed Finding of No Adverse Effect for this undertaking.
- Please be advised that under certain circumstances, such as unanticipated discovery or a change in project description, NASA may have additional future responsibilities for this undertaking under 36 CFR Part 800.

If you have any questions or concerns, please contact Mark Beason, State Historian, at (916) 445-4047 or [mark.beason@parks.ca.gov](mailto:mark.beason@parks.ca.gov).

Sincerely,



Julianne Polanco  
State Historic Preservation Officer