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Title: Preserving the Manhattan Project
at Los Alamos--Oak Ridge's "Sister Secret City"

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Intended for: The Secret City Festival program at the American Museum of
Science and Energy (AMSE), June 20, 2008

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Abstract: Preserving the Manhattan Project at Los Alamos – Oak Ridge’s “Sister Secret City”

A presentation given at Oak Ridge, Tennessee, as part of the Secret City Festival program at the American Museum of Science and Energy (AMSE).

At the June 20, 2008, 3:00 pm, “Sister Secret Cities” public program, Los Alamos National Laboratory (LANL) presenter Ellen McGehee will talk about the restoration of the Oppenheimer House and “V Site,” where the Trinity device was assembled, as well as other LANL, Los Alamos County, and Los Alamos Historical Society historic preservation priorities.

Preserving the Manhattan Project at Los Alamos – *Oak Ridge's* *“Sister Secret City”*

A presentation given at Oak Ridge, Tennessee, as part of the Secret City Festival program at the American Museum of Science and Energy (AMSE)

Ellen McGehee, Cultural Resources Team Leader

Los Alamos National Laboratory

June 20, 2008

The World's Greatest Science Protecting America

UNCLASSIFIED

Oak Ridge – Uranium Production

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Hanford – Plutonium Production

UNCLASSIFIED

UNCLASSIFIED

Los Alamos – Weapons Design and Testing

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The “Townsite” – Fuller Lodge and Bathtub Row

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Los Alamos County Manhattan Project Historic Preservation Activities

- Ongoing restoration of Fuller Lodge
(work on windows, door, and historic chinking)

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Los Alamos County Manhattan Project Historic Preservation Activities

- Bathtub Row Inventory

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Los Alamos Historical Society Manhattan Project Historic Preservation Activities

- Oppenheimer House Restoration

Structural repairs were conducted to arrest the settling of the foundation.

Interior work included repairs to the kitchen ceiling from severe water damage. Damaged floor covering in the kitchen was replaced, and the bathroom tub and shower enclosure was repaired. The living room fireplace had interior damage that was repaired.

Exterior work included repairs to the chimney, skylights, stucco walls, log siding, and windows.

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Los Alamos Historical Society Manhattan Project Historic Preservation Activities

- Oppenheimer House Restoration (Interior Views)

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Laboratory Technical Areas (TAs)

TA-8: The “Little Boy” Gun Site (Gun Assembly Method)

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UNCLASSIFIED

TA-18: Plutonium Chemistry, Implosion Testing, and Criticality Research

UNCLASSIFIED

UNCLASSIFIED

TA-16: S-Site, "Fat Man" R&D (Implosion Method)

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TA-6: Plutonium Recovery

UNCLASSIFIED

UNCLASSIFIED

TA-25: V-Site (Trinity Device Assembly)

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TA-22: "Fat Man" Design and Assembly

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Los Alamos National Laboratory Manhattan Project Historic Preservation Activities

Gun Site

Pond Cabin

Slotin Building

V-Site

Concrete Bowl

Quonset Hut

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TA-8: The Gun Site

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Gun Site Phased Restoration Project

FY 08 Priorities

- Restoration plan
- Clean up phase

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TA-18: Pajarito Site

UNCLASSIFIED

TA-6: The Concrete Bowl (Water Recovery Method)

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TA-22: The “Fat Man” Quonset Hut

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V-Site Restoration Project

Los Alamos
NATIONAL LABORATORY
EST. 1943

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Three Restoration Phases:

- 1) Berm and Back Walls (also asbestos abatement and dirt removal)
- 2) Roof Repairs
- 3) Cosmetic (doors, windows, and shingles)

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Condition of Roof (Building 16-517)

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UNCLASSIFIED

Pre-Restoration Condition of Berm and Berm Retaining Walls

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Exterior Condition: Broken Shingles, Deteriorated Wood

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Key Activities (2005–2006) Berm Removal

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Berm Wall Removal (Building 16-516)

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Back Wall Repairs

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

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Berm Rebuilding – French Drain

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Re-roofing, Re-configure Roof Drainage

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Exterior Repairs and Cosmetic Restoration

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Questions? Comments?

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