



IN REPLY REFER TO:  
L7615(YOSE-PM)

# United States Department of the Interior

## NATIONAL PARK SERVICE

Yosemite National Park  
P. O. Box 577  
Yosemite, California 95389

### Memorandum

**To:** Ron Gaunt, Project Manager, Yosemite National Park

**From:** Superintendent, Yosemite National Park

**Subject:** NEPA and NHPA Clearance: 2013-041 Curry Village Stoneman Cottage Steam Heat Piping Repair (49339)

The Executive Leadership Team has reviewed the proposed project/action and completed its environmental assessment documentation, and we have determined the following:

- There will not be any effect on threatened, endangered, or rare species and/or their critical habitat.
- There will not be any effect on historic, cultural, or archeological resources.
- There will not be serious or long-term undesirable environmental or visual effects.

The subject proposed project, therefore, is now cleared for all NEPA and NHPA compliance requirements as presented above. Project plans and specifications are approved and construction and/or project implementation can commence.

### Recommendations for Conditions or Stipulations:

For the proposed project actions to be within compliance requirements during construction and/or project implementation, the following mitigations must be adhered to:

- Only 7 of the 19 visitor lodging rooms are currently identified as having replacement flooring where the proposed project does not have the potential to cause damage to the historic fabric of the building (original hardwood flooring). Therefore, the following are conditions for conducting the heating system water pipe replacement work in rooms where the original flooring has not been removed in the area of the radiators:

1) The piping for those rooms with original flooring should be replaced by working from the adjacent rooms where original flooring has been previously replaced with plywood/OSB flooring, the latter of which should be removed in order to provide access. Where there is sufficient crawl space height, the relatively short distances for workers to crawl should not present many difficulties in the replacement work. Where the crawl space is insufficient to allow workers access, the current radiator piping should be cut above the floor and allowed to drop down into the crawl space so that it can be pulled out to the nearest opened floor area for disposal. Before dropping the piping into the crawl space a cord might be attached to it and played out as the pipe

is removed as a sort of fish tape, then the PEX replacement piping should be "fished" back to the existing hole, pulled above the floor level and metal piping transition/connection made and the PEX then pushed back below the floor level. Alternatively, the transition to the metal pipe may be installed prior to fishing the PEX through to the opening and the metal piping pulled through the floor. There should not be PEX piping visible above the floor level when repairs are complete. If necessary the hole in the existing floor may be enlarged as long as a 3 inch diameter escutcheon can still cover the hole.

2) If conditions are such that the above approach will not work, DNC shall consult with HAL to determine alternative methods for pipe installation.

For complete compliance information see PEPC Project 49339.

//Don Neubacher//  
Don L. Neubacher

Enclosure (with attachments)

cc: Statutory Compliance File

*The signed original of this document is on file at the  
Environmental Planning and Compliance Office in  
Yosemite National Park.*



## Categorical Exclusion Form

**Project:** 2014-041 Curry Village Stoneman Cottage Steam Heat Piping Repair

**PEPC Project Number:** 49339

### **Project Description:**

This project will correct a mechanical deficiency and help to sustain the Curry Village Stoneman House. The purpose of this project is to remove and replace the aged and failing hydronic heat supply and return lines at Curry Village Stoneman House. There are eighteen visitor lodging rooms in the structure that rely on a single source of heat from the Curry Village Pavilion boiler system.

The condition of the existing lines has deteriorated and is consistently leaking; this has led to water damage to the floor and structure. Work will include replacing the supply and return pipelines under the Stoneman House and the lines from the Stoneman House to the Curry Village Boiler Room. Work under Stoneman House includes removal of the floor material at the base of each wall heater to access the heating pipes. Any flooring impacted will be replaced and carpeted to match the current room interiors. Unless determined otherwise, the existing in-room wall heaters do not require replacement and will be retained. Excavation of soils will not be required under the building; pipes needing replacement in this location are above the ground surface. The work between Stoneman House and the Boiler Room includes excavating a trench between the two locations in the same alignment as the current pipelines and installing new 2½ inch supply and return lines.

This design/build project will utilize the services of a professional plumbing contractor to remove existing piping and replace with code compliant materials to correct the deteriorated piping. The wood subfloor underneath the carpet will be removed and replaced as part of the scope of work; the floor repair will vary at each room depending conditions and damage. Room carpet also damaged by the leaking steam piping will also be replaced within the scope of this project.

### **Project Locations:**

Mariposa County, CA

### **Mitigations:**

- Only 7 of the 19 visitor lodging rooms are currently identified as having replacement flooring where the proposed project does not have the potential to cause damage to the historic fabric of the building (original hardwood flooring). Therefore, the following are conditions for conducting the heating system water pipe replacement work in rooms where the original flooring has not been removed in the area of the radiators:

1) The piping for those rooms with original flooring should be replaced by working from the adjacent rooms where original flooring has been previously replaced with plywood/OSB flooring, the latter of which should be removed in order to provide access. Where there is sufficient crawl space height, the relatively short distances for workers to crawl should not present many difficulties in the replacement work. Where the crawl space is insufficient to allow workers access, the current radiator piping should be cut above the floor and allowed to drop down into the crawl space so that it can be pulled out to the nearest opened floor area for disposal. Before

dropping the piping into the crawl space a cord might be attached to it and played out as the pipe is removed as a sort of fish tape, then the PEX replacement piping should be "fished" back to the existing hole, pulled above the floor level and metal piping transition/connection made and the PEX then pushed back below the floor level. Alternatively, the transition to the metal pipe may be installed prior to fishing the PEX through to the opening and the metal piping pulled through the floor. There should not be PEX piping visible above the floor level when repairs are complete. If necessary the hole in the existing floor may be enlarged as long as a 3 inch diameter escutcheon can still cover the hole.

2) If conditions are such that the above approach will not work, DNC shall consult with HAL to determine alternative methods for pipe installation.

**Describe the category used to exclude action from further NEPA analysis and indicate the number of the category (see Section 3-4 of DO-12).**

C.4 Routine maintenance and repairs to cultural resource sites, structures, utilities and grounds under an approved Historic Structures Preservation Guide or Cyclic Maintenance Guide; or if the action would not adversely affect the cultural resource.

**On the basis of the environmental impact information in the statutory compliance file, with which I am familiar, I am categorically excluding the described project from further NEPA analysis. No exceptional circumstances (e.g. all boxes in the ESF are marked "no") or conditions in Section 3-6 apply, and the action is fully described in Section 3-4 of DO-12.**

**Superintendent:** //Don Neubacher//

Don L. Neubacher

**Date:** 4/25/14

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Environmental Planning and Compliance Office in  
Yosemite National Park.*



## ENVIRONMENTAL SCREENING FORM (ESF)

### DO-12 APPENDIX 1

Date Form Initiated: 04/01/2014

Updated May 2007 - per 2004 Departmental Manual revisions and proposed Director's Order 12 changes

#### A. PROJECT INFORMATION

**Park Name:** Yosemite National Park  
**Project Title:** 2013-041 Curry Village Stoneman Cottage Steam Heat Piping Repair  
**PEPC Project Number:** 49339  
**Project Type:** Capital Improvement/New Construction (CI)  
**Project Location:**  
**County, State:** Mariposa, California **District:** Yosemite Valley  
**Project Leader:** Ron Gaunt

Is project a hot topic (controversial or sensitive issues that should be brought to attention of Regional Director)? No

#### B. RESOURCE EFFECTS TO CONSIDER:

Identify potential effects to the following physical, natural, or cultural resources	No Effect	Negligible Effects	Minor Effects	Exceeds Minor Effects	Data Needed to Determine/Notes
1. Geologic resources – soils, bedrock, streambeds, etc.	No				
2. From geohazards	No				
3. Air quality	No				
4. Soundscapes		Negligible			Minimal construction noises during the replacement of the piping.
5. Water quality or quantity	No				
6. Streamflow	No				

Environmental Screening Form (ESF) - Curry Village Stoneman Cottage Steam Heat Piping Repair - PEPC ID: 49339

<b>Identify potential effects to the following physical, natural, or cultural resources</b>	<b>No Effect</b>	<b>Negligible Effects</b>	<b>Minor Effects</b>	<b>Exceeds Minor Effects</b>	<b>Data Needed to Determine/Notes</b>
characteristics					
7. Marine or estuarine resources	No				
8. Floodplains or wetlands	No				
9. Land use, including occupancy, income, values, ownership, type of use	No				
10. Rare or unusual vegetation – old growth timber, riparian, alpine	No				
11. Species of special concern (plant or animal; state or federal listed or proposed for listing) or their habitat	No				
12. Unique ecosystems, biosphere reserves, World Heritage Sites		Negligible			Yosemite National Park is a World Heritage Site.
13. Unique or important wildlife or wildlife habitat	No				
14. Unique or important fish or fish habitat	No				
15. Introduce or promote non-native species (plant or animal)	No				
16. Recreation resources, including supply, demand,	No				

<b>Identify potential effects to the following physical, natural, or cultural resources</b>	<b>No Effect</b>	<b>Negligible Effects</b>	<b>Minor Effects</b>	<b>Exceeds Minor Effects</b>	<b>Data Needed to Determine/Notes</b>
visitation, activities, etc.					
17. Visitor experience, aesthetic resources	No				
18. Archeological resources	No				
19. Prehistoric/historic structure		Negligible			The Stoneman House is a contributing feature of the Camp Curry Historic District and Yosemite Valley Historic District.
20. Cultural landscapes	No				
21. Ethnographic resources	No				
22. Museum collections (objects, specimens, and archival and manuscript collections)	No				
23. Socioeconomics, including employment, occupation, income changes, tax base, infrastructure	No				
24. Minority and low income populations, ethnography, size, migration patterns, etc.	No				
25. Energy resources	No				
26. Other agency or tribal land use plans or policies	No				

Environmental Screening Form (ESF) - Curry Village Stoneman Cottage Steam Heat Piping Repair - PEPC ID: 49339

<b>Identify potential effects to the following physical, natural, or cultural resources</b>	<b>No Effect</b>	<b>Negligible Effects</b>	<b>Minor Effects</b>	<b>Exceeds Minor Effects</b>	<b>Data Needed to Determine/Notes</b>
27. Resource, including energy, conservation potential, sustainability	No				
28. Urban quality, gateway communities, etc.	No				
29. Long-term management of resources or land/resource productivity	No				
30. Other important environment resources (e.g. geothermal, paleontological resources)?	No				

**C. MANDATORY CRITERIA**

<b>Mandatory Criteria: If implemented, would the proposal:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Comment or Data Needed to Determine</b>
A. Have significant impacts on public health or safety?		No		
B. Have significant impacts on such natural resources and unique geographic characteristics as historic or cultural resources; park, recreation, or refuge lands; wilderness areas; wild or scenic rivers; national natural landmarks; sole or principal drinking water aquifers; prime farmlands; wetlands (Executive Order 11990); floodplains (Executive Order 11988); national monuments; migratory birds; and other ecologically significant or critical areas?		No		



<b>Mandatory Criteria: If implemented, would the proposal:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Comment or Data Needed to Determine</b>
C. Have highly controversial environmental effects or involve unresolved conflicts concerning alternative uses of available resources (NEPA section 102(2)(E))?		No		
D. Have highly uncertain and potentially significant environmental effects or involve unique or unknown environmental risks?		No		
E. Establish a precedent for future action or represent a decision in principle about future actions with potentially significant environmental effects?		No		
F. Have a direct relationship to other actions with individually insignificant, but cumulatively significant, environmental effects?		No		
G. Have significant impacts on properties listed or eligible for listing on the National Register of Historic Places, as determined by either the bureau or office?		No		
H. Have significant impacts on species listed or proposed to be listed on the List of Endangered or Threatened Species, or have significant impacts on designated Critical Habitat for these species?		No		
I. Violate a federal law, or a state, local, or tribal law or requirement imposed for the protection of the environment?		No		
J. Have a disproportionately high and adverse effect on low income or minority populations (Executive Order 12898)?		No		
K. Limit access to and ceremonial use of Indian sacred sites on federal lands by Indian religious		No		

Environmental Screening Form (ESF) - Curry Village Stoneman Cottage Steam Heat Piping Repair - PEPC ID: 49339

<b>Mandatory Criteria: If implemented, would the proposal:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Comment or Data Needed to Determine</b>
practitioners or significantly adversely affect the physical integrity of such sacred sites (Executive Order 13007)?				
L. Contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species known to occur in the area or actions that may promote the introduction, growth, or expansion of the range of such species (Federal Noxious Weed Control Act and Executive Order 13112)?		No		

**D. OTHER INFORMATION**

1. Are personnel preparing this form familiar with the site? Yes
- 1.A. Did personnel conduct a site visit? No
2. Is the project in an approved plan such as a General Management Plan or an Implementation Plan with an accompanying NEPA document? No
3. Are there any interested or affected agencies or parties? No
4. Has consultation with all affected agencies or tribes been completed? No
5. Are there any connected, cumulative, or similar actions as part of the proposed action? (e.g., other development projects in area or identified in GMP, adequate/available utilities to accomplish project) No

**E. INTERDISCIPLINARY TEAM SIGNATORIES**

<u><b>Interdisciplinary Team</b></u>	<u><b>Field of Expertise</b></u>
Don L. Neubacher	Superintendent
Michael Gauthier	Chief of Staff
Kathleen Morse	Chief of Planning
Randy Fong	Chief of Project Management
Teri Austin	Chief of Administration Management
Lou Summerfield	Acting Chief of Facilities Management
Linda C. Mazzu	Chief of Resources Management & Science
Kris Kirby	Chief of Business and Revenue Management
Tom Medema	Chief of Interpretation and Education
Kevin Killian	Chief of Visitor and Resource Protection
Ron Gaunt	Project Leader
Madelyn Ruffner	Environmental Planning and Compliance Program Manager
Renea Kennec	NEPA Specialist

**F. SUPERVISORY SIGNATORY**

*Based on the environmental impact information contained in the statutory compliance file and in this environmental screening form, environmental documentation for this stage of the subject project is complete.*

**Recommended:**

Compliance Specialists  <u>//Renea Kenec//</u> Compliance Specialist – Renea Kenec	Date  <u>4/2/14</u>
  <u>//Madelyn Ruffner//</u> Compliance Program Manager – Madelyn Ruffner	  <u>4/23/14</u>
  <u>//Madelyn Ruffner for//</u> Chief, Project Management – Randy Fong	  <u>4/23/14</u>

**Approved:**

Superintendent  <u>//Don Neubacher//</u> Don L. Neubacher	Date  <u>4/25/14</u>
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## PARK ESF ADDENDUM

Today's Date: April 1, 2014

### PROJECT INFORMATION

**Park Name:** Yosemite National Park  
**Project Title:** 2013-041 Curry Village Stoneman Cottage Steam Heat Piping Repair  
**PEPC Project Number:** 49339  
**Project Type:** Capital Improvement/New Construction (CI)  
**Project Location:**  
**County, State:** Mariposa, California **District:** Yosemite Valley  
**Project Leader:** Ron Gaunt

### PARK ESF ADDENDUM QUESTIONS & ANSWERS

ESF Addendum Questions	Yes	No	N/A	Data Needed to Determine/Notes
<b>SPECIAL STATUS SPECIES CHECKLIST</b>				
Listed or proposed threatened or endangered species (Federal or State)?		No		
Species of special concern (Federal or State)?		No		
Park rare plants or vegetation?		No		
Potential habitat for any special-status species listed above?		No		
<b>NATIONAL HISTORIC PRESERVATION ACT CHECKLIST</b>				
Entail ground disturbance?		No		
Are any archeological or ethnographic sites located within the area of potential effect?		No		
Entail alteration of a historic structure or cultural landscape?	Yes			Stoneman House is a contributing feature of the Camp Curry Historic District and Yosemite Valley Historic District. This project will continue to consult with the park History, Architecture, and Landscapes staff throughout the project.

<b>ESF Addendum Questions</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Data Needed to Determine/Notes</b>
Has a National Register form been completed?	Yes			
Are there any structures on the park's List of Classified Structures in the area of potential effect?	Yes			
<b>WILD AND SCENIC RIVERS ACT CHECKLIST</b>				
Fall within a wild and scenic river corridor?		No		
Fall within the bed and banks AND will affect the free-flow of the river?		No		
Have the possibility of affecting water quality of the area?		No		
Remain consistent with its river segment classification?			N/A	
Fall on a tributary of a Wild and Scenic River?		No		
Will the project encroach or intrude upon the Wild and Scenic River corridor?		No		
Will the project unreasonably diminish scenic, recreational, or fish and wildlife values?		No		
Consistent with the provisions in the Merced River Plan Settlement Agreement?			N/A	
<b>WILDERNESS ACT CHECKLIST</b>				
Within designated Wilderness?		No		
Within a Potential Wilderness Addition?		No		



# ASSESSMENT OF ACTIONS HAVING AN EFFECT ON HISTORIC PROPERTIES

## A. DESCRIPTION OF UNDERTAKING

1. **Park:** Yosemite National Park

### 2. **Project Description:**

**Project Name:** 2013-041 Curry Village Stoneman Cottage Steam Heat Piping Repair

**Prepared by:** Laura Kirn

**Date Prepared:** 12/17/2013

**Telephone:** 209.379.1314

**PEPC Project Number:** 49339

#### **Area of potential effects (as defined in 36 CFR 800.16[d])**

Work will occur beneath building, but may also affect the building itself. APE = Stoneman Cottage Building.

### 3. **Has the area of potential effects been surveyed to identify historic properties?**

No

Yes

**Source or reference:** Yosemite Valley Historic District national register nomination

### 4. **Potentially Affected Resources:**

#### **Archeological resources affected:**

**Name and numbers:** Yosemite Valley Archeological District

**NR status:** 1 - Listed in Register and documented

**Archeological Resources Notes:** Work will occur within the archeological district but will not affect known archeological resources.

#### **Historical Structures/Resources Affected:**

**Name and numbers:** Yosemite Valley Historic District

**NR status:** 1 - Listed in Register and documented

**Name and numbers:** Camp Curry Historic District

**NR status:** 1 - Listed in Register and documented

**Historical Structures/Resources Notes:** Stoneman Cottage is a contributing building within both historic districts.

**Cultural Landscapes Affected:**

**Name and numbers:** Camp Curry Historic District  
**NR status:** 1 - Listed in Register and documented

**Name and numbers:** Yosemite Valley Historic District  
**NR status:** 1 - Listed in Register and documented

**5. The proposed action will: (check as many as apply)**

- Destroy, remove, or alter features/elements from a historic structure
- Replace historic features/elements in kind
- No Add non-historic features/elements to a historic structure
- No Alter or remove features/elements of a historic setting or environment (inc. terrain)
- No Add non-historic features/elements (inc. visual, audible, or atmospheric) to a historic setting or cultural landscape
- No Disturb, destroy, or make archeological resources inaccessible
- No Disturb, destroy, or make ethnographic resources inaccessible
- No Potentially affect presently unidentified cultural resources
- No Begin or contribute to deterioration of historic features, terrain, setting, landscape elements, or archeological or ethnographic resources
- No Involve a real property transaction (exchange, sale, or lease of land or structures)
- Other (please specify): \_\_\_\_\_

**6. Supporting Study Data:**  
**(Attach if feasible; if action is in a plan, EA or EIS, give name and project or page number.)**

**B. REVIEWS BY CULTURAL RESOURCE SPECIALISTS**

**The park 106 coordinator requested review by the park's cultural resource specialist/advisors as indicated by check-off boxes or as follows:**

[ X ] Archeologist  
Name: Sonny Montague  
Date: 01/09/2014

Comments: If plans for the extent of excavation change, or cultural materials are discovered during project implementation, contact the Park Archeologist (379-1313) or Branch Chief of Anthropology (379-1314) for further assistance.

Check if project does not involve ground disturbance [ ]  
Assessment of Effect: \_\_\_ No Potential to Cause Effect  X  No Historic Properties Affected \_\_\_ No Adverse Effect \_\_\_ Adverse Effect \_\_\_ Streamlined Review  
Recommendations for conditions or stipulations:

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Historical Architect

Name: Gabrielle Harlan

Date: 02/11/2014

Comments: See conditions below.

*Check if project does not involve ground disturbance*

Assessment of Effect:  No Potential to Cause Effect  No Historic Properties Affected  No Adverse Effect  Adverse Effect  Streamlined Review

Recommendations for conditions or stipulations: Only 7 of the 19 visitor lodging rooms are currently identified as having replacement flooring where the proposed does not have the potential to cause damage to the historic fabric of the building (original hardwood flooring). Therefore, the following are conditions for conducting the heating system water pipe replacement work in rooms where the original flooring has not been removed in the area of the radiators: 1) The piping for those rooms with original flooring should be replaced by working from the adjacent rooms where original flooring has been previously replaced with plywood/OSB flooring, the latter of which should be removed in order to provide access. Where there is sufficient crawl space height, the relatively short distances for workers to crawl should not present many difficulties in the replacement work. Where the crawl space is insufficient to allow workers access, the current radiator piping should be cut above the floor and allowed to drop down into the crawl space so that it can be pulled out to the nearest opened floor area for disposal. Before dropping the piping into the crawl space a cord might be attached to it and played out as the pipe is removed as a sort of fish tape, then the PEX replacement piping should be "fished" back to the existing hole, pulled above the floor level and metal piping transition/connection made and the PEX then pushed back below the floor level. Alternatively, the transition to the metal pipe may be installed prior to fishing the PEX through to the opening and the metal piping pulled through the floor. There should not be PEX piping visible above the floor level when repairs are complete. If necessary the hole in the existing floor may be enlarged as long as a 3" diameter escutcheon can still cover the hole. 2) If conditions are such that the above approach will not work, DNC shall consult with HAL to determine alternative methods for pipe installation.

Doc Method: Park Specific Programmatic Agreement

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Historical Landscape Architect

Name: Kevin McCardle

Date: 01/09/2014

*Check if project does not involve ground disturbance*

Assessment of Effect:  No Potential to Cause Effect  No Historic Properties Affected  No Adverse Effect  Adverse Effect  Streamlined Review

Recommendations for conditions or stipulations:

Doc Method: Park Specific Programmatic Agreement

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**No Reviews From:** Curator, Historian, 106 Advisor, Other Advisor, Anthropologist

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## **C. PARK SECTION 106 COORDINATOR'S REVIEW AND RECOMMENDATIONS**

### **1. Assessment of Effect:**

Assessment of Effect Form - Curry Village Stoneman Cottage Steam Heat Piping Repair - PEPC ID: 49339



- No Potential to Cause Effects**
- No Historic Properties Affected**
- No Adverse Effect**
- Adverse Effect**

**2. Documentation Method:**

A. STANDARD 36 CFR PART 800 CONSULTATION  
Further consultation under 36 CFR Part 800 is needed.

B. STREAMLINED REVIEW UNDER THE 2008 SERVICEWIDE PROGRAMMATIC AGREEMENT (PA)

The above action meets all conditions for a streamlined review under section III of the 2008 Servicewide PA for Section 106 compliance.

APPLICABLE STREAMLINED REVIEW Criteria  
(Specify 1-16 of the list of streamlined review criteria.)

C. PLAN-RELATED UNDERTAKING

Consultation and review of the proposed undertaking were completed in the context of a plan review process, in accordance with the 2008 Servicewide PA and 36 CFR Part 800.  
Specify plan/EA/EIS:

D. UNDERTAKING RELATED TO ANOTHER AGREEMENT

The proposed undertaking is covered for Section 106 purposes under another document such as a statewide agreement established in accord with 36 CFR 800.7 or counterpart regulations.  
Specify: 1999 Programmatic Agreement

E. COMBINED NEPA/NHPA Document

Documentation is required for the preparation of an EA/FONSI or an EIS/ROD has been developed and used so as also to meet the requirements of 36 CFR 800.3 through 800.6

G. Memo to SHPO/THPO

H. Memo to ACHP

**3. Additional Consulting Parties Information:**

**Additional Consulting Parties: No**

**4. Stipulations and Conditions:**

**Following are listed any stipulations or conditions necessary to ensure that the assessment of effect above is consistent with 36 CFR Part 800 criteria of effect or to avoid or reduce potential adverse effects.**

**5. Mitigations/Treatment Measures:**

Measures to prevent or minimize loss or impairment of historic/prehistoric properties:  
(Remember that setting, location, and use may be relevant.)

- **Assessment of Effect - Only 7 of the 19 visitor lodging rooms are currently identified as having replacement flooring where the proposed does not have the potential to cause damage to the historic fabric of the building (original hardwood flooring). Therefore, the following are conditions for conducting the heating system water pipe replacement work in rooms where the original flooring has not been removed in the area of the radiators: 1) The piping for those rooms with original flooring should be replaced by working from the adjacent rooms where original flooring has been previously replaced with plywood/OSB flooring, the latter of which should be removed in order to provide access. Where there is sufficient crawl space height, the relatively short distances for workers to crawl should not present many difficulties in the replacement work. Where the crawl space is insufficient to allow workers access, the current radiator piping should be cut above the floor and allowed to drop down into the crawl space so that it can be pulled out to the nearest opened floor area for disposal. Before dropping the piping into the crawl space a cord might be attached to it and played out as the pipe is removed as a sort of fish tape, then the PEX replacement piping should be "fished" back to the existing hole, pulled above the floor level and metal piping transition/connection made and the PEX then pushed back below the floor level. Alternatively, the transition to the metal pipe may be installed prior to fishing the PEX through to the opening and the metal piping pulled through the floor. There should not be PEX piping visible above the floor level when repairs are complete. If necessary the hole in the existing floor may be enlarged as long as a 3" diameter escutcheon can still cover the hole. 2) If conditions are such that the above approach will not work, DNC shall consult with HAL to determine alternative methods for pipe installation.**

**D. RECOMMENDED BY PARK SECTION 106 COORDINATOR:**

**Acting Historic Preservation Officer:**

Kimball

Koch //Kimball Koch// Date: 4/2/2014

**E. SUPERINTENDENT'S APPROVAL**

The proposed work conforms to the NPS *Management Policies* and *Cultural Resource Management Guideline*, and I have reviewed and approve the recommendations, stipulations, or conditions noted in Section C of this form.

**Superintendent:** //Don Neubacher// Date: 4/25/14  
Don L. Neubacher

*The signed original of this document is on file at the Environmental Planning and Compliance Office in Yosemite National Park.*