



A PDF text file of the project's approved environmental compliance package containing the letter of compliance completion, categorical exclusion form, environmental screening form, and any other associated environmental clearance forms, as applicable (e.g., Wilderness Minimum Requirement Analysis, Wild and Scenic River Section 7 Analysis). The signed originals of the package are on file in the Environmental Planning and Compliance Office at Yosemite National Park.

Letter of Compliance Completion

To: Nicole Belle Isle, Project Manager, Yosemite National Park

From: Cicely Muldoon, Acting Superintendent, Yosemite National Park

Subject: NEPA and NHPA Clearance: 2020-049 Rehabilitate White Wolf Sewer System in Yosemite National Park (PEPC: 92119)

The Superintendent and park interdisciplinary team have reviewed the proposed project and completed an impact analysis and documentation, and have determined the following:

- The project is not likely to adversely affect threatened, endangered, or rare species and/or their critical habitat.
- There will be no adverse effect to historic properties.
- 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.

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

Wildlife:

- The National Park Service will provide information to the contractor regarding wildlife concerns at project briefings, and provide contractor specifications and best management practices to avoid activities that are destructive to wildlife and habitats.

Wildlife/birds:

- This project occurs in potential Great Gray Owl (GGOW) nesting habitat. Park Wildlife staff will conduct broadcast surveys and nest searches from March to June 1st, 2021. Based on the findings of these surveys, Wildlife staff will recommend one of the following Limited Operating Periods (LOPs) for the project:
 - If behavior is observed that indicates nesting (e.g. female begging call) or a nest is found, Wildlife staff will recommend a LOP of March - August 8th
 - If GGOW are not detected or behavior indicating nesting is not observed, Wildlife staff will recommend a LOP of March - June 1st

- If a nest is found that is located greater than 1/4 mile from the project site, Wildlife staff will recommend a LOP of March - June 1st

In any case, no work should begin prior to June 1st. The appropriate LOP will be communicated to the Project Manager prior to June 1st to facilitate project planning.

Wildlife/toads:

- Any trenches, pipes, or open ponds must be closed or capped at night, or fitted with escape ramps (NTE 45 degrees) at either end to allow for toads to escape in the event they end up in the pit. If pits or trenches are too deep for an escape ramp to be feasible, the excavation will be fenced to prevent toads from entering the pit or trench.
- If activities are occurring during the breeding period (typically early June 1-15, but varies - consult with biologist) then a flagger is needed for traffic on the road when toads may be active (e.g., crossing) on the road.
- Each morning prior to commencing work activities, personnel/the contractor shall inspect the construction site for trapped wildlife in excavation pits. If Yosemite toads are found, personnel/ the contractor will call a qualified NPS biologist to capture and relocate the toads to the immediate vicinity surrounding the project area.
- The National Park Service will limit the operating period for equipment to daylight hours only on roads where direct impacts to Yosemite toads are possible
- A National Park Service biologist will work with the project manager to establish an appropriate date for construction to begin. To reduce road related mortality of immigrating and emigrating Yosemite toads between upland and breeding habitats, construction will not begin until two weeks after toad breeding has started in known breeding locations (meadows).

Wildlife/Tree Limbing Timing:

- Any tree limbing, removal, or habitat clearing should be done outside the migratory bird season (March 1 to July 31), outside the fisher denning season (not a problem for this project), and outside the raptor nesting season (March 1 to August 15). Tree removals can also disturb amphibians and bats. The best time to remove trees is in October.

Wildlife/Other:

- All workers must be educated about bears and proper storage of food and garbage before entering the job site. All food and garbage must be stored properly (e.g., NOT in the bed of a truck) 24-hours a day. The exceptions are when food is being prepared or eaten, and at those times, it must remain within arm's reach. If there are any open-top construction dumpsters on the job site, they must be clearly labeled as such on all four sides, be located out of sight of the public, and be located near a bear-proof dumpster.

Cultural:

- An archeology education talk with crew members will be provided at the start of work. This will instruct crews on how to identify common archeological materials, how to protect those materials, and how to report inadvertent discoveries. Project managers should also ensure that any staging of equipment or materials occur on paved or graveled areas outside of the boundaries of CA-TUO-0514.

Vegetation/Invasives:

- Surveys for federally or state listed plants and for plant species of special concern will be conducted prior to construction to determine whether or not they are present in the area and if the proposed project would impact them.
- Any fill materials required for the project must be obtained from a park-approved source. Intact native topsoil from the project area shall be retained whenever feasible. Consult with invasive plant botanist on approved sources.
- Topsoil shall not be imported into the park.
- Litter and duff shall be removed from project areas and stored for later replacement over topsoil.
- All disturbed ground shall be reclaimed using appropriate best management practices, which may include planting or seeding with native vegetation, or, in the case of small treatment areas, allowing native vegetation to reclaim the area naturally. Project leader shall consult with the Vegetation Branch to determine the best methods for restoration.
- A revegetation plan shall be developed to restore disturbed areas.

- Remove existing populations of exotic vegetation prior to construction activities and conduct appropriate monitoring and follow-up treatment after construction.
- All construction equipment that will leave paved or dirt roads shall be pressure-washed prior to entering the park and shall be clean of any soil, plant matter, or other materials. NPS natural resource specialists shall inspect the vehicles prior to entry into the park.

Other:

- The contractor shall confine all earth moving activities to within the work limit as defined in the site plans.
- Only work specified in 92119 is approved for implementation. Any changes to the project will require additional review and approval from the park's Environmental Planning and Compliance Branch.

Acting Superintendent: Cicely Muldoon Date: September 17, 2020
Cicely Muldoon

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



Categorical Exclusion Documentation Form (CE Form)

Project: Rehabilitate White Wolf Sewer System in Yosemite National Park

PEPC Project Number: 92119

Description of Action (Project Description):

This project pertains to improvements on the wastewater system serving the White Wolf area of Yosemite National Park.

The existing White Wolf wastewater system, constructed in the 1970s, serves the campground, housing, and concessionaire operations at White Wolf. An underground gravity collection system conveys wastewater to a central collection manhole. From there the wastewater enters a central main sewer pipe, which runs downhill approximately one mile to an above-ground treatment lagoon. The pipe is buried in some stretches and runs above ground in others, parallel to and above the Middle Fork Tuolumne River. The lagoon covers approximately 1.7 acres and feeds a disinfection system inside a small enclosure. From there water is pumped to a 2.5-acre spray field.

The current system requires significant maintenance efforts to start up and remain functional. Snow loads, rock fall, and downed trees are common occurrences that impact above-ground sections of the sewer main, necessitating repairs prior to opening the system each summer. In addition, the lagoon is typically full and the spray fields saturated due to spring snow runoff. Operators must wait until the spray fields dry out sufficiently to allow infiltration of water before starting to draw down the lagoon. Once the spray fields are operating, it can be weeks before sufficient freeboard (vertical distance between the crest of the embankment and the lagoon water surface) is established in the lagoon to allow activation of the sanitary system. These limitations delay the opening of the White Wolf facilities each year. Breaks in the mile-long sewer main have the potential to allow wastewater spills into the Middle Fork Tuolumne River.

This project proposes to replace the portion of the wastewater system that is downstream of the central collection manhole with a new system which pumps the gravity-collected wastewater from new underground tanks (located adjacent to that manhole) uphill to a new leach field. The proposed 14,000 square foot leach field would be a mound system located in a forested area north of the White Wolf Lodge and south of the employee housing area. The existing gravity collection system upstream of the central collection manhole would be retained as part of the upgraded system.

Please note that an additional replacement leach field area is identified on the schematic drawings (as required by Section VII of the Tuolumne County Guidelines for Design and Evaluation of Special Design On-Site Sewage Treatment and Disposal Systems). This area will not be developed as part of the current undertaking but is required to be identified per regulations. Should the replacement leach field be required due to failure or general age of the system in the distant future, the replacement undertaking will undergo separate consultation.

Installation of the wastewater collection and dosing system will include the following:

- Remove the existing central collection manhole and replace with a new manhole, requiring soil disturbance of 10 feet width and 5 feet depth, to receive wastewater from the existing gravity collection system.

- Trench approximately 90 linear feet at 4 feet width and 5 feet depth to install 4-inch diameter polyvinyl chloride (PVC) pipe for draining inflow and infiltration from the gravity system during non-summer months when new sewer system is not operational.
- Trench approximately 5 linear feet at 4 feet width and 5 feet depth to install 6-inch diameter PVC sewer line to connect collection manhole with septic tank.
- Install two 4,000-gallon underground septic tanks in series (requiring soil disturbance of 12 feet width, 8 feet depth, and 40 feet length) to receive and provide primary treatment. The tanks will be installed under the existing dirt road to minimize new disturbance.
- Install a 1,000-gallon underground dosing tank to receive effluent from the septic tanks, requiring soil disturbance of 11 feet width, 8 feet depth, and 11 feet length.
- Trench approximately 20 linear feet at 4 feet width and 5 feet depth to install 6-inch diameter PVC sewer line to connect dosing tank with overflow septic tank.
- Install a 4,000-gallon underground septic tank (requiring soil disturbance of 8 feet depth, 20 feet length, and 12 feet width to install) to hold overflow as needed. The tank will be installed under the existing dirt road to minimize new disturbance.
- Install two lift pumps inside the dosing tank to convey effluent uphill to the leach field.
- Install pole-mounted above-ground electronic control panel box with alarm and backup generator switch near the existing propane tanks and solar panels.
- Trench approximately 10 linear feet at 3 feet width and 3 feet depth to install 1½ -inch diameter underground electrical conduit between dosing tank pumps and new electrical control panel.
- Trench approximately 90 linear feet at 3 feet width and 3 feet depth to install 1½ -inch diameter underground electrical conduit between dosing tank pumps and existing electrical box near generator building.

Installation of the effluent leach field will include the following:

- Trench approximately 4 feet width and 4 feet depth to install approximately 700 linear feet of 4-inch diameter high-density polyethylene force main from the new dosing tank to the new leach field. Most of the pipe would be installed under an existing utility road (unpaved), with approximately 30 linear feet of trenching in natural, forested area.
- Remove approximately 90 lodgepole pine trees ranging from approximately 6-36 inches diameter at breast height within and around the proposed leach field area, to prevent root intrusion into leach field pipe network.
- Scarify an area of approximately 14,700 square feet (approximately 124 feet by 119 feet) to a depth of approximately two feet. This scarification area includes cutting and removing debris for the central 9,500 square feet required for the leach field, plus a 12-foot border (an additional 5,250 square feet) around the edges to grade the system to match the existing topography.
- Lay edges of rodent exclusion barrier of ¼ inch wire mesh over outer two feet of scarified area.
- Cover the central 9,500 square feet of the scarified area with import sand to a height of approximately two feet, sloping to meet the existing ground surface at the edge of the scarified area at a slope of three (horizontal) to one (vertical).
- Cover the central 9,500 square feet of sand with nine inches of gravel; this is the distribution bed.
- Install leach system on top of gravel, consisting of a grid of approximately 3,000 linear feet of parallel 1.5-inch diameter PVC pipes branching off of a 100-linear-foot 1.5-inch diameter PVC manifold.
- Fill gaps between leach lines and cover with an additional three inches of gravel, so the total depth of the gravel layer is 12 inches.
- Cover gravel distribution bed with fill soil to a height of approximately 1.5 feet above the gravel at the center, with a minimum cover depth of one foot at the edge of the distribution bed. Rodent exclusion layer to be wrapped around the sand and distribution bed at roughly the middle of the fill soil layer.
- Finished leach mound will cover approximately 14,700 square feet, with a height of 4-5 feet at the central 9,500 square feet. The edges will slope to meet the existing ground surface at a slope of three (horizontal) to one (vertical).

- Landscape and initiate revegetation of the mound so that the area blends with the surrounding natural landscape. Revegetation will use native grass and forb seed sources. Place logs on top of mound to blend the area with the forested landscape and discourage visitors from walking on top of the system. Screen mound by planting shallow-rooting native shrubs around edge of leach field to dissuade visitor activities.

Project staging is proposed in paved and graveled areas including the Lodge parking lot, existing utility areas, and access roads.

Due to the need to treat and dispose of snowmelt that accumulates in the lagoon each winter, the components of the existing wastewater system downstream of the central collection manhole (central sewer main, lagoon, pump house, and spray system) will remain in place until a future project is developed to decommission them. This project would lay the essential groundwork for a future project to remove the mile-long sewer main, which is in wilderness, and the lagoon, which is not.

Site investigation and design work began in September 2019 and is anticipated to be complete in spring 2020. Construction would begin in late spring or early summer 2021, once snow has melted.

Mitigation(s):

See Letter of Compliance Completion Form for mitigations.

CE Citation: C.15 Installation of underground utilities in previously disturbed areas having stable soils, or in an existing utility right-of-way.

Decision: I find that the action fits within the categorical exclusion above. Therefore, I am categorically excluding the described project from further NEPA analysis. No extraordinary circumstances apply.

Acting Superintendent: Cicely Muldoon **Date:** September 17, 2020

Cicely Muldoon

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

Extraordinary Circumstances:

If implemented, would the proposal...	Yes/No	Notes
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	
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, 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 (EO 12898)?	No	
K. Limit access to and ceremonial use of Indian sacred sites on federal lands by Indian religious practitioners or adversely affect the physical integrity of such sacred sites (EO 130007)?	No	
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	



ENVIRONMENTAL SCREENING FORM (ESF)

Updated Sept 2015 per NPS NEPA Handbook

A. PROJECT INFORMATION

Project Title: Rehabilitate White Wolf Sewer System in Yosemite National Park
PEPC Project Number: 92119
PMIS Number: 185751
Project Type: Repair/Rehabilitation (REHAB)
Project Location:
County, State: Tuolumne, California
Project Leader: Nicole Belle Isle

B. PROJECT DESCRIPTION

See Categorical Exclusion Form for project description.

C. RESOURCE IMPACTS TO CONSIDER:

Resource	Potential for Impact	Potential Issues & Impacts
Air Air Quality <i>Dust</i>	Potential	Issue: Excavation/construction activities may generate dust. Impact: Dust generated by construction activities is expected to be localized and temporary. Dust suppression through watering may be employed.
Biological Nonnative or Exotic Species	Potential	Issue: Introduction and spread of non-native invasive plants. Impact: Use of earthmoving equipment, soil disturbance, and tree clearing pose moderate risk in a high-elevation area that is otherwise largely weed-free. Risk can be lowered with mitigations.
Biological Species of Special Concern or Their Habitat <i>Great Gray Owl,</i> <i>Bears, Yosemite</i> <i>Toads, Bats</i>	Potential	Issue: Several state- and federally-listed and special status species and their habitat are present in the project area. Impact: Generally, work should occur in late summer or the fall. October is the best time for tree removal. See project mitigations for specific protection measures.
Biological Vegetation	Potential	Issue: Protection of special status plant species.

Resource	Potential for Impact	Potential Issues & Impacts
<i>Special status plant species</i>		Impact: Clearing and disturbance could remove special status plant species. See mitigations.
Biological Wildlife and/or Wildlife Habitat including terrestrial and aquatic species	Potential	Issue: See above
Cultural Archeological Resources <i>CA-TUO-0514</i>	Potential	Issue: Archeological site CA-TUO-0514 is located 100 feet east of proposed ground-disturbing activities. Recent survey work in the proposed project area confirmed the site boundaries. Impact: Disturbance of archeological resources is not anticipated, however crew members will be trained to identify and report discoveries of archeological materials prior to the commencement of work.
Cultural Cultural Landscapes <i>White Wolf Archeological District, White Wolf Lodge Historic District.</i>	Potential	Issue: The project area is adjacent to the White Wolf Archeological District and the White Wolf Lodge Historic District. Impact: The project is not expected to impact the archeological district. The leach field will be visible from the historic district, but visual impacts will be minimized.
Cultural Ethnographic Resources	None	Issue: No ethnographic resources have been identified within or adjacent to the project area, however, the White Wolf Archeological District has previously been identified as a place of cultural significance to tribal partners.
Cultural Museum Collections	None	
Cultural Prehistoric/historic structures <i>Great Sierra Wagon Road</i>	Potential	Issue: Trenching for the project will cut below the historic Great Sierra Wagon Road (CA-TUO-4028H), determined eligible for listing in the NRHP. Two septic tanks, a dosing tank, and 60 feet of sewer force main will be installed below the road as part of this project. Impact: No features or artifacts are located in this area and the resource is limited to the roadbed, which has been heavily modified in the modern area. The park has determined that this project will have no adverse effect to the historic road, with SHPO concurrence.
Geological Geologic Features <i>Soils</i>	Potential	Issue: The project will involve the removal of topsoil and fill. Impact: Removed topsoil and fill should be put back in place to the extent possible. Any fill material imported from outside the park should be approved by a park invasive plant botanist.

Resource	Potential for Impact	Potential Issues & Impacts
Geological Geologic Processes	None	
Lightscares Lightscares	None	
Other Human Health and Safety	Potential	Issue: The current system requires employees or contractors to remove snow contaminated by human waste from the treatment lagoon and spray fields prior to opening up the White Wolf facilities and starting up the system. Impact: The installation of the new system will remove the need for and lay the groundwork for the removal of the existing system.
Other Operational <i>Maintenance</i>	Potential	Issue: The current system requires significant maintenance efforts to start up and remain functional. Impact: The installation of the proposed leach field will lead to a reduction in ongoing maintenance efforts, allow White Wolf facilities to open earlier, and will lay the groundwork for a future project to remove the existing sewer main, storage lagoon, pump house, and spray system.
Other Other <i>Human waste</i>	None	
Socioeconomic Land Use	None	
Socioeconomic Minority and low-income populations, size, migration patterns, etc.	None	
Socioeconomic Socioeconomic	None	
Soundscapes Soundscapes	Potential	Issue: Construction activities may produce short-term sound impacts. Impact: Audible impacts from construction will be localized and temporary.
Viewsheds Viewsheds <i>Cultural viewshed</i>	Potential	Issue: The proposed leach field would be visible from certain areas of the White Wolf Lodge Historic District. Impact: The leach field will be designed to appear topographically natural and planted with native vegetation to reduce visual impacts.
Visitor Use and Experience Recreation Resources	Potential	Issue: The installation of the new system may allow the various White Wolf facilities to open earlier in the summer by removing the necessity of waiting until the lagoon attains sufficient freeboard and the spray field dries out.

Resource	Potential for Impact	Potential Issues & Impacts
<i>White Wolf Facilities</i>		Impact: The one existing component that is to be replaced (the central collection manhole) and connections to be made there will be done last and can be scheduled to occur after White Wolf closes for the season, which is typically mid to late September. Future earlier openings for the White Wolf facilities will increase recreational opportunities for visitors.
Visitor Use and Experience Visitor Use and Experience	None	
Water Floodplains	None	
Water Marine or Estuarine Resources	None	
Water Water Quality or Quantity <i>Tuolumne River</i>	None	Issue: Breaks in the existing mile-long sewer main have the potential to allow wastewater spills into the Middle Fork Tuolumne River. Impact: This project lays the groundwork for removing the existing mile-long sewer pipe, removing this potential hazard to water quality.
Water Wetlands	None	
Water Wild and Scenic River	None	
Wilderness Wilderness	None	Issue: This project lays the groundwork for removing the existing mile-long sewer pipe, which runs through wilderness.



ASSESSMENT OF ACTIONS HAVING AN EFFECT ON HISTORIC PROPERTIES

A. DESCRIPTION OF UNDERTAKING

1. **Park:** Yosemite National Park

2. **Project Description:**

Project Name: Rehabilitate White Wolf Sewer System in Yosemite National Park

Prepared by: Ninette Daniele **Date Prepared:** 03/10/2020 **Telephone:** (209) 379-1457

PEPC Project Number: 92119

Locations:

County, State: Tuolumne, CA

Describe project:

See Categorical Exclusion Form.

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

The project will install wastewater treatment and sewer infrastructure between the White Wolf Lodge and the NPS employee housing area near the White Wolf Campground. The park would install a 14,000 square-foot leach field in a natural area located between the White Wolf Lodge and the employee housing area. The park would install underground dosing and septic tanks, along with associated controls and pumps, north of the White Wolf Lodge underneath the White Wolf Road (Great Sierra Wagon Road). Roughly 1,000 linear feet of trenching would be required, mostly underneath an un-paved access road, to connect the tanks with the leach field. Because of the forested conditions surrounding the lodge, the work would not be visible from within the Lodge complex. The vertical subsurface APE for the project would not exceed 12 feet in depth and is associated with the installation of septic and dosing tanks; trenching would not exceed 5 feet in depth. The vertical, above-grade APE for this project would not exceed 5 feet and is associated with the installation of a percolation mound for the leach field. Staging would occur in paved and graveled areas nearby, including the lodge parking area and portions of the campground.

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

No

Yes

Source or reference:

4. Potentially Affected Resource(s):

Archeological Resources Present: Yes

Property Name: White Wolf Archeological District **LCS:**
Location: White Wolf

Archeological Resources Notes: Archeological Site CA-TUO-0514: Installation of electrical conduit between the proposed dosing tank and existing generator building would occur adjacent to but approximately 100 feet outside the boundaries of archeological site CA-TUO-0514. The site consists of consists of a rock shelter, 10 bedrock milling features, and a light scatter of obsidian debitage. It is located approximately 100 feet east of proposed ground-disturbing activities. Archeological survey and construction monitoring for utilities post-holing and trenching in 2016 at the western edge of the site boundary, including areas of proposed trenching for this undertaking. These efforts did not reveal any cultural materials and the site boundary was not expanded.

Historical Structures/Resources Present: Yes

Property Name: White Wolf Lodge Historic District **LCS:**

Property Name: Great Sierra Wagon Road (NR 78000373) **LCS:**

Historical Structures/Resources Notes: The installation of a new leach field is proposed adjacent to the boundary of the historic district.

The park proposes to install two septic tanks, a dosing tank, approximately 60 lateral feet of sewer force main underneath a portion of White Wolf Road approximately 750 feet from the Lodge area. Also, the park proposes to locate a pole-mounted above-ground electrical control box adjacent to the road.

White Wolf Campground: The White Wolf Campground was expanded and redeveloped under the Mission 66, with work being completed in 1958. Although a context study for Mission 66 has been completed for the park, the campground has not been assessed for National Register eligibility. Thus, the park is considering the campground as eligible for listing consistent with 36 CFR § 800.4(c)(2). Staging is proposed in the campground, but no other activities are proposed in the campground.

Cultural Landscapes Present: No

Ethnographic Resources Present: No

Ethnographic Resources Notes: The park included the project in the March 2020 tribal spreadsheet for a 30-day tribal review and comment period. No comments have been received.

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

- No Destroy, remove, or alter features/elements from a historic structure
- No Replace historic features/elements in kind
- No Add non-historic features/elements to a historic structure
- Yes 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
- Yes 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] 106 Advisor

Name: Madelyn Ruffner

Date: 03/24/2020

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: Standard 4-Step Process

[X] Anthropologist

Name: Scott Carpenter

Date: 03/10/2020

Comments: Project included in the March 2020 tribal spreadsheet, no comments were received.

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: Standard 4-Step Process

[X] Archeologist

Name: Wesley Wills

Date: 03/10/2020

Comments: Archeological surveys were completed in the project area in 1952, 1975, 1985, 1999, 2001, 2002, 2013, and 2016 with fair to good ground visibility. The work will occur within the boundaries of the White Wolf Archeological District, but no sites have been identified in the areas of proposed ground disturbance. The closest site is CA-TUO-0514, which consists of a rock shelter, 10 bedrock milling features, and a light scatter of obsidian debitage. Archeological survey and monitoring in 2016 in the area of proposed ground disturbance on the western edge of CA-TUO-0514 did not identify cultural materials and the site boundary is approximately 100 m east of proposed work. The park's compliance archeologist has assessed the project as having no adverse effect to the White Wolf Archeological District or CA-TUO-0514. However, due to the sensitive nature of the site and the amount of ground disturbance associated with the project, an educational talk with crew members will be provided at the start of work. This will instruct crews on how to identify common archeological materials, how to protect those materials, and how to report inadvertent discoveries.

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: An archeology education talk with crew members will be provided at the start of work. This will instruct crews on how to identify common archeological materials, how to protect those materials, and how to report inadvertent discoveries. Project managers should also ensure that any staging of equipment or materials occur on paved or graveled areas outside of the boundaries of CA-TUO-0514.

Doc Method: Standard 4-Step Process

[X] **Historian**

Name: Scott Carpenter

Date: 03/10/2020

Comments: No Historical Architect review needed as all work is exterior to buildings.

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: If any future generator is needed or other plans change, the project will require additional review and approval from the park's Environmental Planning and Compliance Branch.

Doc Method: Standard 4-Step Process

[X] **Historical Landscape Architect**

Name: Vida Germano

Date: 03/18/2020

Comments: This project will have no adverse effect on the cultural landscape. No contributing resources of the historic district will be adversely effected.

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: Standard 4-Step Process

No Reviews From: Curator, Historical Architect, Other Advisor

C. PARK SECTION 106 COORDINATOR'S REVIEW AND RECOMMENDATIONS

1. Assessment of Effect:

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. Undertaking Related to Park Specific or Another Agreement

The proposed undertaking is covered for Section 106 purposes under another document such as a park, region or statewide agreement established in accord with 36 CFR 800.7 or 36 CFR 800.14.

D. Combined NEPA/NHPA Process

Process and documentation required for the preparation of an EA/FONSI or an EIS/ROD to comply with Section 106 is in accord with 36 CFR 800.8.c.

E. Memo to Project File

3. Consultation Information

SHPO Required: Yes

SHPO Sent: May 28, 2020

SHPO Received: Jul 3, 2020

THPO Required: Yes

THPO Sent: Mar 5, 2020

THPO Received: No tribal comments received.

SHPO/THPO Notes:

Advisory Council Participating: No

Advisory Council Notes:

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.)

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

- Only work specified in 92119 is approved for implementation. Any changes to the project will require additional review and approval from the park's Environmental Planning and Compliance Branch.
- An archeology education talk with crew members will be provided at the start of work. This will instruct crews on how to identify common archeological materials, how to protect those materials, and how to report

inadvertent discoveries. Project managers should also ensure that any staging of equipment or materials occur on paved or graveled areas outside of the boundaries of CA-TUO-0514.

6. Assessment of Effect Notes:

D. RECOMMENDED BY PARK SECTION 106 COORDINATOR:

NHPA Specialist

Madelyn Ruffner Madelyn Ruffner **Date:** September 16, 2020

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.

Acting Superintendent: Cicely Muldoon **Date:** September 17, 2020

Cicely Muldoon

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



Other Compliance/Consultations Form

Park Name: Yosemite National Park
PEPC Project Number: 92119
Project Title: Rehabilitate White Wolf Sewer System in Yosemite National Park
Project Type: Repair/Rehabilitation
Project Location:
County, State: Tuolumne, CA
Project Leader: Nicole Belle Isle

ESA

Any Federal Species in the project Area? Yes
If species in area: Not Likely to Adversely Affect
Was Biological Assessment prepared?
If Biological Assessment prepared, concurred?
Formal Consultation required?
Formal Consultation Notes:

Formal Consultation Concluded:
Any State listed Species in the Project Area? Yes
Consultation Information:
General Notes: Great Gray Owl: Project is adjacent to foraging habitat. This project requires a survey in fall of 2020 and spring 2021 to determine if GGOWs are nesting in the project area or simply using the adjacent meadow as a foraging area. Fall 2020 survey concluded that no trees slated for removal are nesting trees and thus may be removed. Mitigation measures should be followed to minimize effect. Yosemite Toad: Project is in critical habitat for Yosemite Toad. Mitigation measures should be followed to minimize effect. Tree removal: All tree removal should occur outside of migratory bird season (March 1-July 31) and raptor nesting season (March 1 to August 15). Tree removal for this project is expected to occur fall 2020. Bears: Food and garbage storage protocols should be followed at all times.

Data Entered By: Daniel Sharon **Date:** Sep 10, 2020

ESA Mitigations

Mitigation ID	Text
99125	Surveys for federally or state listed plants and for plant species of special concern will be conducted prior to construction to determine whether or not they are present in the area and if the proposed project would impact them.