

**Worksheet**  
**Determination of NEPA Adequacy (DNA)**  
**U.S. Department of the Interior**  
**Bureau of Land Management**

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**Project Lead:** Cory Gardner  
**Field Office:** Sierra Front Field Office  
**Lead Office:** Sierra Front Field Office  
**Case File/Project Number:** NVN 092953  
**NEPA Number:** DOI-BLM-NV-C020-2014-0028-DNA  
**Project Name:** Mound House to Dayton Force Main (Sewer Line)  
**Applicant Name:** Lyon County  
**Project Location (County, Township/Range/Section[s]):**  
Lyon County  
Mount Diablo Meridian, Nevada  
T. 16 N., R. 21 E.,  
    sec. 31, NE $\frac{1}{4}$ SE $\frac{1}{4}$ , SW $\frac{1}{4}$ SE $\frac{1}{4}$ , NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ ;  
    sec. 32, SW $\frac{1}{4}$ NE $\frac{1}{4}$ , N $\frac{1}{2}$ SW $\frac{1}{4}$ , SW $\frac{1}{4}$ SW $\frac{1}{4}$ , NW $\frac{1}{4}$ SE $\frac{1}{4}$ ;  
    sec. 33, W $\frac{1}{2}$ W $\frac{1}{2}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ , W $\frac{1}{2}$ NW $\frac{1}{4}$  (within)

**A. Describe the Proposed Action and any applicable mitigation measures:**

Lyon County has requested to install (bury) a six inch diameter sewer pipeline from the Carson Highlands community in Mound House, east to the Santa Maria Ranch subdivision in Dayton. The request is to bury the sewer line within the existing NV Energy overhead transmission line right-of-way (ROW) (NVN 0 010060). The sewer line would pump effluent to Dayton at a rate of 100,000 gallons per day. This pipeline is a low pressure, low volume force main and would be subsurface. There would be a series of pipeline locating stations with an eight inch diameter access lid. Wire is run within the pipeline for line locating purposes. The lids are access points for connecting the locating equipment. The area of disturbance is roughly 30 feet in width during construction, then reclaimed to 10 feet for maintenance. This proposed pipeline alignment is intended to be mostly concurrent with an existing NV Energy ROW, an overhead power line within a 16 to 20 feet wide access road. The pipeline would be buried within the limits of the existing road. There are three segments to this project.

**Segment 1** is the corner crossing and is completely new disturbance and would not change. Total disturbance for this segment is 0.01 acres.

**Segment 2**

Construction Phase – 4,022.83 ft. 1 x 30 ft. w = 2.77 acres.

Post Construction- – 4,022.83 ft. 1 x 10 ft. w = 0.93 acres.

**Segment 3**

Construction Phase – 3,352.88 ft. 1 x 30 ft. w = 2.31 acres.

Post Construction- – 3,352.88 ft. 1 x 10 ft. w = 0.77 acres.

Total disturbance during construction – 5.09 acres.

Total disturbance post construction – 1.71 acres.

The pipeline needs to be 20 feet from the existing power poles (which is within the far shoulder of the existing access road). The total length of this project would be 7,375.71 feet.

The pipeline would be buried 36 inches- 40 inches to the top of the pipe. The total depth of the trench would be approximately 50 inches. The width of the trench would be 24 inches. The pipeline would be bedded and backfilled with sand and native materials. The six inch pipeline would be installed using common trenching techniques such as digging with a backhoe or earth saw. There would be a crew of roughly six to eight people, two dump trucks, one backhoe, one loader, one trench compactor and one or two pickup style crew trucks. Flagging the pipeline route would be done with a two person survey crew. Very little clearing and grading would be needed but it would be done as the pipe trench moves forward. A backhoe would be used to dig the trench. If the ground is too rocky to dig with a backhoe or excavator, an earth saw may be used. Once the trench is dug, sand would be placed on the bottom of the trench, then the pipeline would be laid with tracing wire attached followed by placement of sand over and around the pipe to about one foot above the pipe. A tracing tape would be laid on top of the sand followed by placement of native soil to grade. The trench would be compacted in 18 inch layers to assure maximum compaction. New disturbance would be less than or equal to 0.01 acres to accommodate the corner crossing (Segment 1) of this project. Access to the ROW would be from existing dirt roads and/or along the power line maintenance road. All maintenance activities would be conducted within the proposed ROW once authorized and constructed. The term of the ROW would be for 30 years.

**B. Land Use Plan (LUP) Conformance:**

The Proposed Action is in conformance within the applicable LUP because it is specifically provided for in the following LUP sections:

LND-7 states: “non-bureau initiated realty proposals would be considered where analysis indicated they are beneficial to the public.”

**C. Identify applicable National Environmental Policy Act (NEPA) documents and other related documents that cover the Proposed Action:**

Environmental Assessment (EA-NV-030-03-37)

NVN 076725 Carson City Utilities

Water tank and pipeline, Mound House, Nevada

**D. NEPA Adequacy Criteria**

**1. Is the new Proposed Action a feature of, or essentially similar to, an alternative analyzed in existing NEPA document(s)? Is the project within the same analysis area, or if the project location is different, are the geographic and resource conditions sufficiently similar to those analyzed in the existing NEPA document(s)? If there are differences, can you explain why they are not substantial?**

Yes, the Proposed Action includes the installation of an underground pipeline and there area that was analyzed is the same as the Proposed Action.

**2. Is the range of alternatives analyzed in the existing NEPA document(s) appropriate with respect to the new Proposed Action, given current environmental concerns, interests, and resource values?**

Yes, the range of alternatives in the original environmental assessment (EA) pertains to the Proposed Action to install a buried water pipeline.

**3. Is the existing analysis valid in light of new information or circumstances (such as rangeland health standard assessment, recent endangered species listing, updated lists of BLM sensitive species)? Can you reasonably conclude the new information and new circumstances would not substantially change the analysis of the new Proposed Action?**

Yes, the project area is not within greater sage-grouse preliminary general or priority habitats. A class III cultural inventory was made with negative results (CRR 3-2151). For threatened and endangered species a records search was made verifying no species being present in the area.

**4. Are the direct, indirect and cumulative effects that would result from implementation of the new Proposed Action similar (both quantitatively and qualitatively) to those analyzed in the existing NEPA document(s)?**

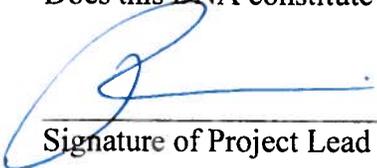
Yes, the effects of the Proposed Action are similar (both quantitatively and qualitatively) to the action analyzed under the original EA, which included the transportation of water in a buried pipeline.

**5. Are the public involvement and interagency review associated with the existing NEPA document(s) adequate for the new Proposed Action?**

Yes, the Proposed Action to transport water in a buried pipeline is similar to the action analyzed under the original EA.

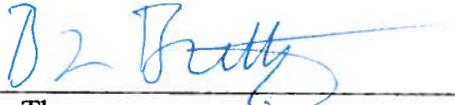
**Conclusion:** Based on the review documented above, I have concluded that this Proposed Action conforms to the LUP and that existing NEPA document(s) fully cover the Proposed Action and constitutes BLM's compliance with the requirements of the NEPA.

Does this DNA constitute the decision document for this Proposed Action?  Yes  No

  
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Signature of Project Lead

For Cory Gardner

  
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Signature of NEPA Coordinator

  
\_\_\_\_\_  
Leon Thomas  
Field Manager  
Sierra Front Field Office

ACTING

7/11/2014