

DOE-ID NEPA CX DETERMINATION Idaho National Laboratory

SECTION A. Project Title: TAN Utility Corridor

SECTION B. Project Description and Purpose:

Existing utility infrastructure (water, telecom, power, and septic service) are inadequate for current operations at Specific Manufacturing Capability (SMC) and additional utility lines are needed to meet the current utility demand and accommodate future facilities. The scope of this project is to install new utility lines southeast of SMC Warehouse (TAN-1617) (See Figure 1). Proposed water, telecom, and septic service lines will be placed in underground trenches at various depths that meet existing building codes and mission need. The additional utility lines will be connect from the existing utility lines located north/northeast of the proposed project area. The proposed power line will be partially installed above ground on power poles from the existing power lines and then placed in an underground trench near active areas to avoid associated hazards. Although only one additional pole is expected, final design may differ slightly.

The new septic system can be seen in green on Figure 2 and the drain field will disturb roughly 100' x 100' of ground.

All activities will occur in areas that have been previously disturbed.

Figure 1

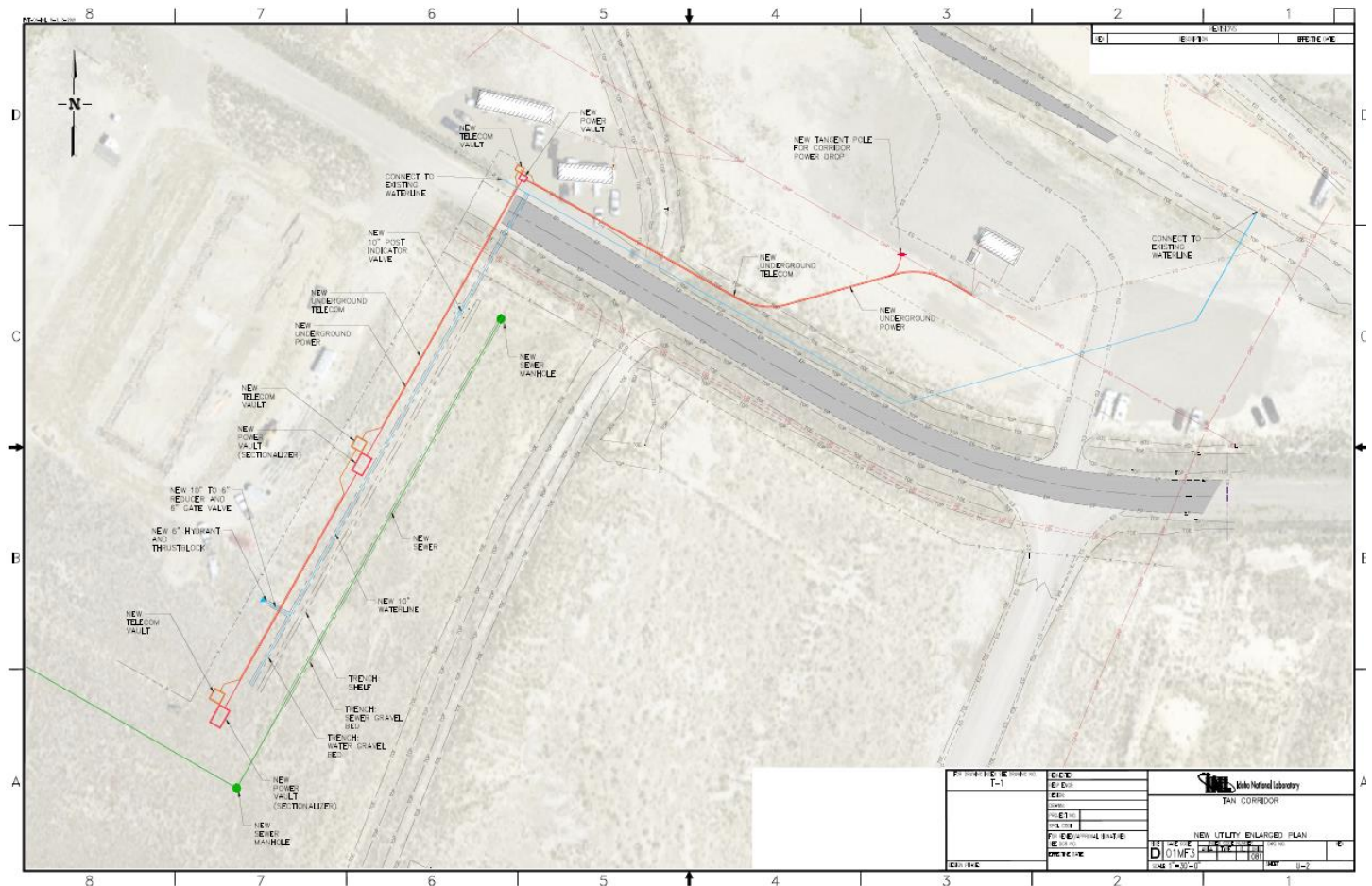


Figure 2



SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

Project activities may generate fugitive dust.

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Discharging to Surface-, Storm-, or Ground Water

A new septic system will be installed as part of this project. These activities are outside the INL Stormwater Corridor.

Disturbing Cultural or Biological Resources

A cultural resource review was completed for this project (BEA-22-18). Impacts to any identified resources would be minimized using existing roadways, placing equipment in previously disturbed areas whenever possible, and avoiding ground disturbance in any sensitive areas. If objects of potential archaeological or historical significance (e.g., arrowheads, flints, bones, etc.) are encountered during project activities, personnel must discontinue disturbance in the area and contact CRMO.

There is the potential for this work to impact vegetation and for project personnel to interact with various wildlife species. The potential for impact will be minimized by the short duration, small footprint, infrequent access to equipment, and the commitment of the project to use existing roadways and previously disturbed areas wherever possible. A Biological Resource Review will be arranged within two weeks of the initiation of any activities that might disturb soil or vegetation as well as following project activities. The Biological Resource Review is intended to document the condition of the site prior to project activities and following project activities. A nesting bird survey is included with the Biological Resource Review for actions occurring between April 1 and October 1 per compliance with the Migratory Bird Treaty Act.

Generating and Managing Waste

Construction activities may generate waste such as scrap metal, paper, plastic and other general construction debris.

Releasing Contaminants

This project is not expected to generate radiological waste.

CERCLA areas are located near the proposed activity. Project personnel will notify the Idaho Environmental Coalition (IEC) CERCLA NSD coordinator to have an NSD determination completed prior to starting work. Radiological control personnel will be onsite when excavating activities (URMA area) occur, however contamination is not expected, and soil waste will be minimal. If contamination is discovered, stop work and contact the CERCLA NSD Coordinator or the CERCLA PEL for further instructions.

Using, Reusing, and Conserving Natural Resources

Recyclable materials will be recycled

SECTION D. Determine Recommended Level of Environmental Review, Identify Reference(s), and State Justification: Identify the applicable categorical exclusion from 10 Code of Federal Regulation (CFR) 1021, Appendix B, give the appropriate justification, and the approval date.

For Categorical Exclusions (CXs), the proposed action must not: (1) threaten a violation of applicable statutory, regulatory, or permit requirements for environmental, safety, and health, or similar requirements of Department of Energy (DOE) or Executive Orders; (2) require siting and construction or major expansion of waste storage, disposal, recovery, or treatment or facilities; (3) disturb hazardous substances, pollutants, contaminants, or Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)-excluded petroleum and natural gas products that pre-exist in the environment such that there would be uncontrolled or unpermitted releases; (4) have the potential to cause significant impacts on environmentally sensitive resources (see 10 CFR 1021). In addition, no extraordinary circumstances related to the proposal exist that would affect the significance of the action. In addition, the action is not "connected" to other action actions (40 CFR 1508.25(a)(1) and is not related to other actions with individually insignificant but cumulatively significant impacts (40 CFR 1608.27(b)(7)).

References: 10 CFR 1021, Appendix B, 1.26 "Small water treatment facilities," B2.2 "Building and equipment instrumentation," and B4.11 "Electric power substations and interconnection facilities."

Justification: Project activities are consistent with 10 CFR 1021, Appendix B, B1.26 "Siting, construction, expansion, modification, replacement, operation, and decommissioning of small (total capacity less than approximately 250,000 gallons per day) wastewater and surface water treatment facilities whose liquid discharges are externally regulated, and small potable water and sewage treatment facilities;"

B2.2 "Installation of, or improvements to, building and equipment instrumentation (including, but not limited to, remote control panels, remote monitoring capability, alarm and surveillance systems, control systems to provide automatic shutdown, fire detection and protection systems, water consumption monitors and flow control systems, announcement and emergency warning systems, criticality and radiation monitors and alarms, and security equipment);" and

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B4.11 "Construction or modification of electric power substations or interconnection facilities (including, but not limited to, switching stations and support facilities)."

Is the project funded by the American Recovery and Reinvestment Act of 2009 (Recovery Act) Yes No

Approved by Jason L. Anderson, DOE-ID NEPA Compliance Officer on: 03/07/2022