

DOE-ID NEPA CX DETERMINATION

Idaho National Laboratory

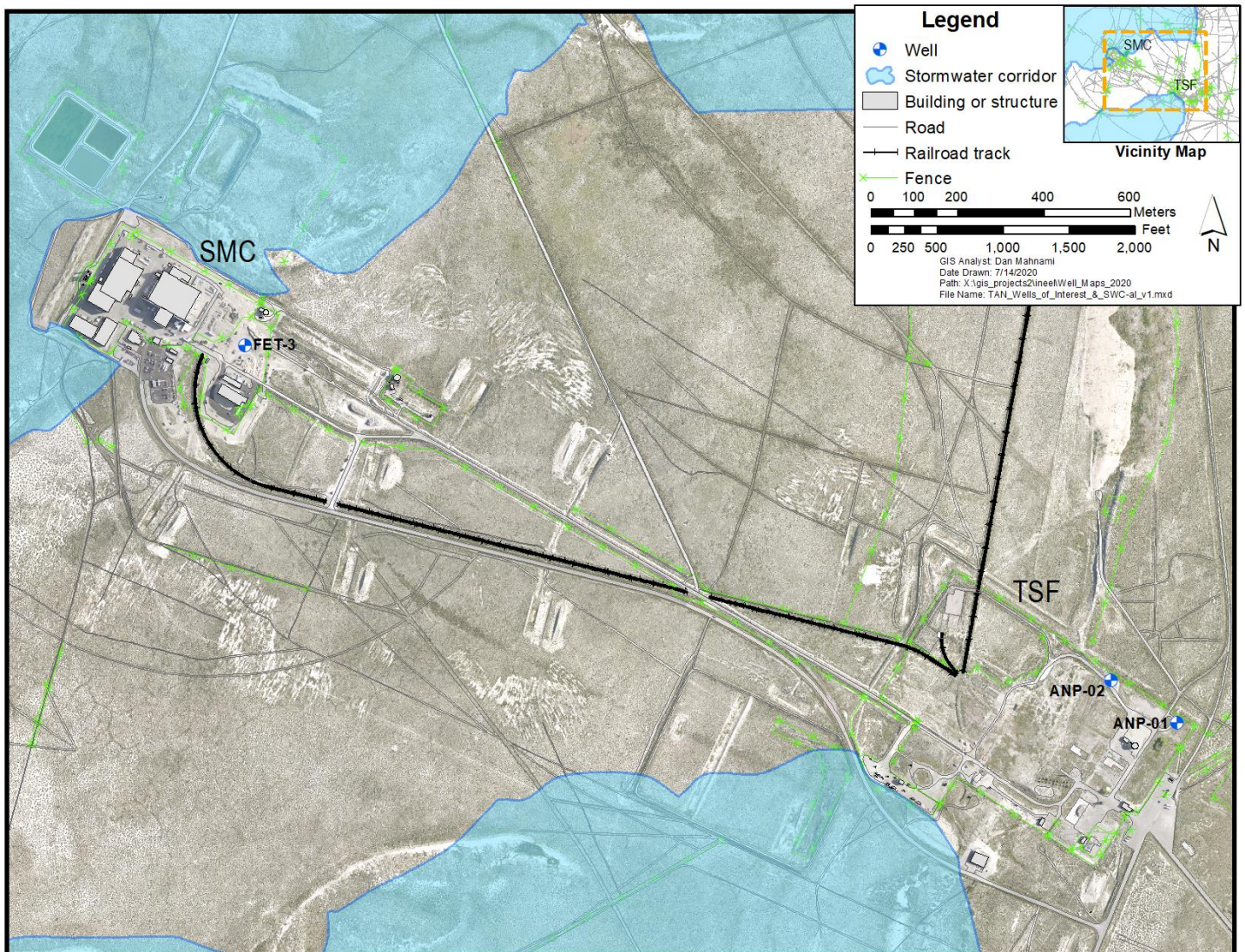
SECTION A. Project Title: Closure of Production Wells ANP-01, ANP-02 and FET-3

SECTION B. Project Description and Purpose:

Production and monitoring wells located at the Specific Manufacturing Capability (SMC) facility and Test Area North (TAN) are no longer needed with recent water line upgrades installed in the areas.

- ANP-01 has been out of service for some time and will be decommissioned. ANP-02 is no longer needed and will be decommissioned.
- FET-03 is a monitoring well that is no longer needed and will be decommissioned.

Well houses or other structures associated with these wells may also be decommissioned and demolished. Wells will be decommissioned in accordance with IDAPA regulations. The two production/drinking water wells will be decommissioned according to IDWR and IDAPA rules and IDWR and DEQ will be notified.



SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

Project activities have the potential to create fugitive dust and potential to disturb asbestos.

Discharging to Surface-, Storm-, or Ground Water

There is the potential to discharge to the aquifer when decommissioning the wells.

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Disturbing Cultural or Biological Resources

These well houses are potentially eligible to be a national historic landmark. A cultural resource review may be required. There is the potential of unexpectedly encountering cultural artifacts while decommissioning the wells. Any cultural artifacts unexpectedly encountered during the project would result in immediate cessation of work and notification to the Cultural Resources Management Office (CRMO).

Generating and Managing Waste

Industrial waste such as concrete, asphalt, scrap wood, scrap metal, packaging material, rags, insulation, wire, pipe scrap, etc., will be generated during the project. Hazardous waste generation is not anticipated, although paint waste, adhesive waste, and spill material have the potential for being hazardous. Paint and adhesive waste also have the potential to contain PCBs.

Releasing Contaminants

When chemicals are used during the project there is the potential for spills that could impact the environment (air, water, soil). Due to the age of the facilities, there is the potential to release PCB's to the environment.

Using, Reusing, and Conserving Natural Resources

Project description indicates materials will need to be purchased or used that require sourcing materials from the environment. Being conscientious about the types of materials used could reduce the impact to our natural resources.

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 to Subpart D, item B5.3 "Modification or abandonment of wells."

Justification: The proposed action will protect against a potential uncontrolled release of contamination to the aquifer and is consistent with 10 CFR 1021, Appendix B to Subpart D, item B5.3. "Modification (but not expansion) or plugging and abandonment of wells, provided that site characterization has verified low potential for seismicity, subsidence, and contamination of freshwater aquifers, and the actions are otherwise consistent with best practices and DOE protocols, including those that protect against uncontrolled releases of harmful materials. Such wells may include, but are not limited to, storage and injection wells for brine, carbon dioxide, coalbed methane, gas hydrate, geothermal, natural gas, and oil. Covered modifications would not be part of site closure."

Is the project funded by the American Recovery and Reinvestment Act of 2009 (Recovery Act)

Yes No

Approved by Jason Sturm, DOE-ID NEPA Compliance Officer on: 9/14/2020