

SECTION A. Project Title: Decommissioning of Shallow Injection Well 35-TRA

SECTION B. Project Description and Purpose:

There is currently an active shallow injection well (SIW) located at the Southwest corner of TRA-604. The ID for this SIW is 35-TRA. This SIW is used for disposal of roof drain water from TRA-652, storm water near TRA-604 basement, and runoff water from lawn sprinkler system. The SIW is no longer needed, so it is proposed to be decommissioned and removed. This will be done by removing the concrete basin, metal grate, 2'-wide x 3'-deep corrugated metal pipe, and gravel from the SIW. Then, according to IDAPA Rules, the SIW will be filled with an impervious layer of concrete or bentonite and then filling the remainder of the hole with a layer of gravel. Additional work will include removing the drain lines from TRA-652 roof and sloping the grade to drain water away from the building.

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

Project activities have the potential to release ozone depleting substances and greenhouse gases.

Discharging to Surface-, Storm-, or Ground Water

NA

Disturbing Cultural or Biological Resources

Biological: There is the potential for this work to impact various wildlife species. A nesting bird survey is required prior to the initiation of activities that might disturb soil, nesting birds or vegetation for activities taking place between April 1st and October 1st.

Cultural: Pursuant to the 2023 Programmatic Agreement, this federal undertaking is excluded from Section 106 review as the proposed activity has little to no potential to cause effects to historic properties.

Generating and Managing Waste

When wastes are generated, how they are disposed can adversely affect the environment. Managing wastes appropriately and responsibly and implementing recycling or reuse practices, where feasible, during project activities can reduce the potential impact on the environment.

WASTE GENERATION: Anticipated waste streams are, Industrial waste, (i.e. concrete basin, metal grate, 2'-wide x 3'-deep corrugated metal pipe, and gravel from the SIW) and recyclable waste (i.e. drain lines from TRA-652 roof and sloping the grade lines).

Releasing Contaminants

When chemicals are used during the project there is the potential for spills that could impact the environment (air, water, soil).

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: B5.3 "Modification or abandonment of wells"

Justification: B5.3 Modification or abandonment of wells. Modification (but not expansion) or plugging and abandonment of wells, provided that site characterization has verified a 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.

DOE-ID NEPA CX DETERMINATION
Idaho National Laboratory

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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: 11/13/2023