

**DOE-ID NEPA CX DETERMINATION**  
**Idaho National Laboratory**

**SECTION A. Project Title:** Idaho Falls (IF)-682 Magazine Storage Design and Installation Project

**SECTION B. Project Description:**

The purpose of this work is to build storage for explosive magazines. The proposed action would construct an addition, approximately 44' x 16' x 11' high, on IF-682 (see Figure 1). This addition would provide storage for materials used in production of research and development (R&D) materials, for storage of finished products, and allow for segregation of items as required.

Project activities include digging and placing footings along the eastern wall of IF-682. Footings would also be placed for construction of three new Concrete Masonry Unit (CMU) block walls (or other wall construction determined to be appropriate for the application) with an emergency exit. The proposed action would include installation of the following:

- Concrete pad for the floor
- Roof
- Lighting
- Heater
- Alarms

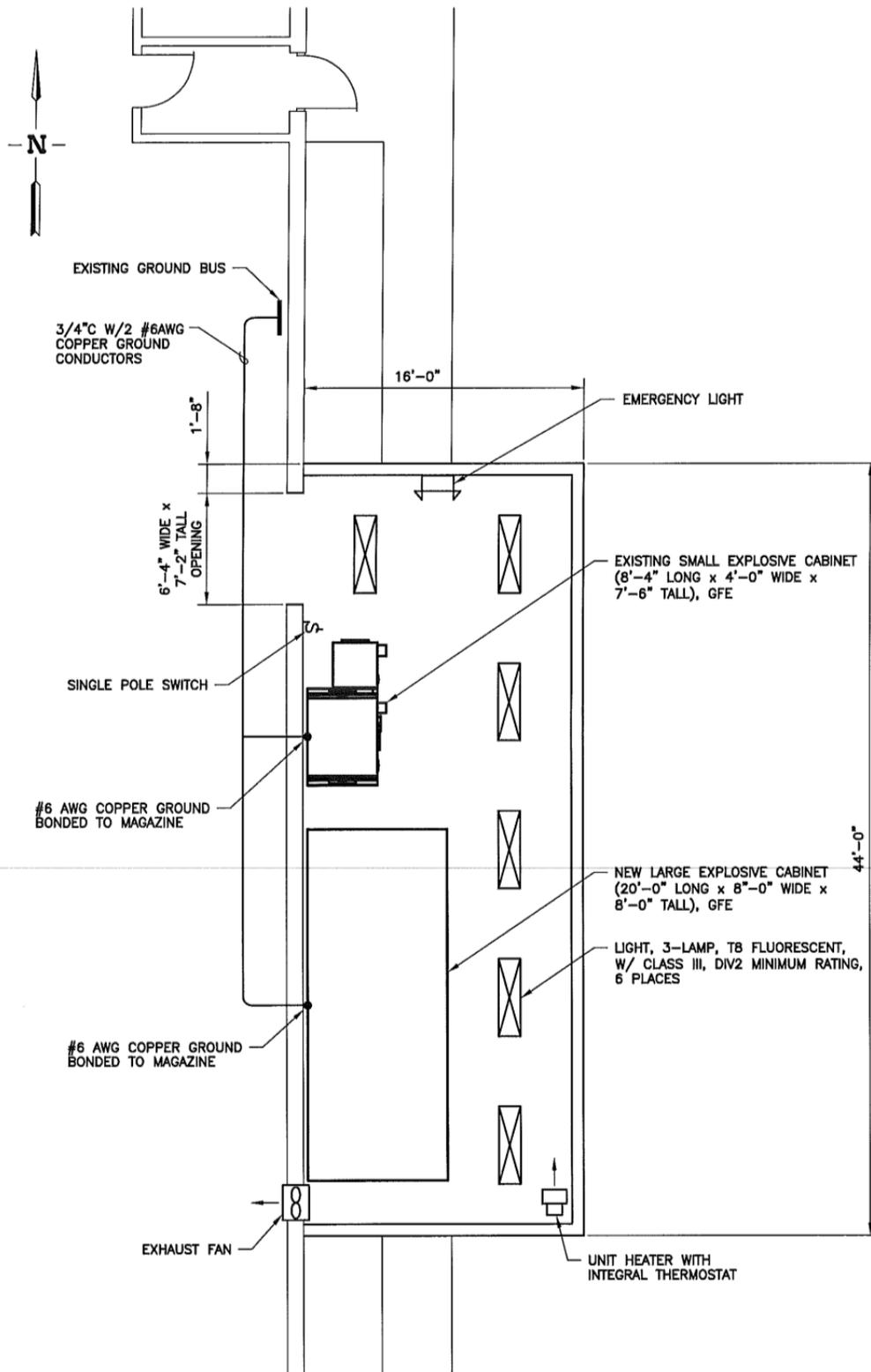
In addition, an opening between the facility and the new addition would be cut, finish work completed, and landscaping completed. Building IF-682 is approved for explosive operations. Heating and cooling of the addition may be required. Project activities would evaluate the need for and potentially install new heating/cooling units. Drains would not be installed and water supply would not be provided to the new addition.

The addition would be less than 5000 sq ft, so Leadership in Energy and Environmental Design (LEED) standards are not required. Stormwater control regulations do not apply as the proposed action would disturb less than one acre. Neither water supply nor drains will be installed in the addition.

The expected cost of the work is approximately \$400K.

Figure 1

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**SECTION C. Environmental Aspects or Potential Sources of Impact:**

**Air Emissions** – Construction activities have the potential to generate fugitive dust and emission from portable electrical generators. Steps must be taken to control fugitive dust in accordance with the Idaho National Laboratory (INL) Title V Air permit. These include, when appropriate, use of dust control measures such as water application and logging the date, time, type of dust suppressant and amount applied, in facility records.

**Discharging to Surface-Storm-, or Ground Water** - Excavation for the foundation and utilities for the new building could result in runoff from stormwater. Permit coverage under the National Pollutant Discharge Elimination System (NPDES) General Permit for Stormwater Discharges from Construction Activities will be required for construction of the new facility if it disturbs (in addition to actual soil disturbance, includes material and equipment storage and maintenance areas) more than one acre. To obtain coverage, a storm water pollution prevention plan (SWPPP) must be completed and a Notice of Intent (NOI) submitted to the Environmental Protection Agency (EPA). The SWPPP must be completed prior to submitting the NOI. Construction may not begin until after the NOI has become effective. Either the owner, construction contractor, or both (co-permittees), depending on who has operational control, must prepare the SWPPP and submit the NOI. Co-permittees occur when the owner retains control over any changes to site plans, SWPPP's, or actual earth disturbing activities and daily implementation of SWPPP and other permit conditions.

Installation of injection wells or drains to the city sewer for the roof, landscaping, and heating or cooling water is not covered by this environmental checklist.

**Disturbing Cultural or Biological Resources** - Cultural resource surveys will be required prior to excavation activities. Contact Brenda Pace (526-0916). Discovery of bones or other cultural artifacts during excavation requires an immediate cessation of work and a review by the BEA Cultural Resources personnel.

**Generating and Managing Waste** - Waste generated during construction is expected to be typical construction waste and could include industrial and hazardous waste. Waste will be managed in accordance with the construction contract.

**Releasing Contaminants** - Construction would involve typical construction chemicals such as fuels, lubricants, etc. A chemical inventory list with associated Safety Data Sheets (SDS's) will be required to be submitted and approved by Battelle Energy Alliance, LLC (BEA) in the vendor data system. The Construction Chemical Coordinator will enter these chemicals into the Comply Plus chemical management system for tracking purposes. All spills will be reported to the Construction Field Representative and to the Spill Notification Team if applicable.

**Using, Reusing, and Conserving Natural Resources** - All applicable waste would be diverted from disposal in the landfill when possible. Project personnel would use every opportunity to recycle, reuse, and recover materials and divert waste from the landfill when possible. The project would practice sustainable acquisition, as appropriate and practicable, by procuring construction materials that are energy efficient, water efficient, are bio-based in content, environmentally preferable, non-ozone depleting, have recycled content, or are non-toxic or less-toxic alternatives. New equipment will meet either the Energy Star or Significant New Alternatives Policy (SNAP) requirements as appropriate (see <http://www.sftool.gov/GreenProcurement>).

**SECTION D. Determine the Recommended Level of Environmental Review (or Documentation) and Reference(s):** 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, B1.15 "Support buildings."

**Justification:** Project activities are consistent with 10 CFR 1021, Appendix B, B1.15 "Siting, construction or modification, and operation of support buildings and support structures (including, but not limited to, trailers and prefabricated and modular buildings) within or contiguous to an already developed area (where active utilities and currently used roads are readily accessible). Covered support buildings and structures include, but are not limited to, those for office purposes; parking; cafeteria services; education and training; visitor reception; computer and data processing services; health services or recreation activities; routine maintenance activities; storage of supplies and equipment for administrative services and routine maintenance activities; security (such as security posts); fire protection; small-scale fabrication (such as machine shop activities), assembly, and testing of non-nuclear equipment or components; and similar support purposes, but exclude facilities for nuclear weapons activities and waste storage activities covered in B1.10, B1.29, B1.35, B2.6, B6.2, B6.5, B6.6, and B6.10 of this appendix."

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

Approved by Jack Depperschmidt, DOE-ID NEPA Compliance Officer on: 7/7/2015