

# DOE-ID-NEPA CX DETERMINATION IDAHO NATIONAL LABORATORY

**SECTION A. Project Title:** Idaho National Laboratory (INL) Closed Circuit Television (CCTV) Replacement Project

**SECTION B. Project Description:**

The Idaho National Laboratory (INL) closed circuit television (CCTV) provides video surveillance for use by protective forces in the protection of Department of Energy (DOE) security assets at the INL. The INL consists of a number of facilities spread out over an 890 square mile area and with facilities located in Idaho Falls. The CCTV system is currently based on analog technology with corresponding analog video cameras, switchers, and monitors. The system has been in place for many years with ongoing upgrades, equipment replacements, and infrastructure improvements.

The INL CCTV replacement project will replace the outmoded analog system with current technology digital devices and improve the networking systems to support the transmission of video data from Central Alarm Stations to Secondary Alarm Stations across the INL.

As a part of the project, some infrastructure cabling at the Advanced Test Reactor Complex (ATR) will be installed. Only the cable installation will disturb soil. New cable will be installed from the ATR front gate house in the security isolation zone going both directions around to the north side of the ATR complex.

The rest of the project consists of the installation of cameras and equipment in existing buildings or on existing structures using existing routes at buildings across the INL.

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

**Air Emissions:** Trenching in the ATR security perimeter would disturb soil. Fugitive dust may be generated during excavation activities. All reasonable precautions would be taken to control fugitive dust. If control methods are needed, the project must document the method used in their daily logbooks. Battelle Energy Alliance, LLC (BEA) Environmental Support and Services (ES&S) will use this documentation for compliance records associated with the INL Tier I Air Permit. Vehicles and construction equipment would generate a small amount of combustion gases; these emissions would be well below any reportable levels.

There is a possibility that materials containing asbestos could be disturbed. All work on asbestos containing building materials would be performed by properly trained personnel. See Section F "Instructions."

**Disturbing Cultural / Biological Resources:** Project activities would remove and replace cameras and equipment in existing buildings or on existing structures using existing routes at buildings across the INL. Some of these buildings were constructed before 1975. Appendix I of the "Idaho National Laboratory Cultural Resource Management Plan" (DOE/ID-10997 Revision 2, February 2007) contains the INL Architectural Properties Inventory.

Trenching has the potential to disturb cultural resources. Standard stop work procedures would be followed in the unlikely event that archaeological material is discovered as the work proceeds. See Section E "Conditions."

**Generating and Managing Waste:** Project activities may generate construction and industrial waste, including boxes, wood, wiring, paper, insulation and non-RCRA metals. Cathode ray tube (CRT) televisions are hazardous waste and must be managed accordingly. If recycled, used CRTs must be sent to a recycler through WGS. Potential waste materials would be evaluated for waste minimization prior to generation, and industrial waste would be evaluated for recycling prior to disposal at the INL landfill. All waste would be dispositioned through Waste Generator Services (WGS). See Section F "Instructions."

**Releasing Contaminants:** There is the possibility for PCB contamination (See Section F "Instructions"). Soil Surveys by radiological control are required prior to disturbing soils within the ATR Complex security perimeter.

**Using, Reusing, and Conserving Natural Resources:** All materials will be reused and recycled where economically practicable. All applicable waste will be diverted from disposal in the landfill when conditions allow. All electronics must be reused or recycled.

**SECTION D. Recommended Level of Environmental Review (or Documentation) and Reference(s):** Identify the applicable categorical exclusion from 10 CFR 1021, Appendix B, give the appropriate justification, and the approval date.

Note: For Categorical Exclusion (CXs) the proposed action must not: 1) threaten a violation of applicable statutory, regulatory, or permit requirements for environmental, safety, and health, including requirements of DOE orders; 2) require siting and construction or major expansion of waste storage, disposal, recovery, or treatment facilities; 3) disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that pre-exist in the environment such that there would be uncontrolled or unpermitted releases; 4) adversely affect environmentally sensitive resources. In addition, no extraordinary circumstances related to the proposal exist which would affect the significance of the action, and the action is not "connected" nor "related" (40 CFR 1508.25(a)(1) and (2), respectively) to other actions with potentially or cumulatively significant impacts.

References: National Environmental Policy Act (NEPA) Implementing Procedures, Final Rule, 10 CFR 1021, Appendix B to Subpart D, Categorical Exclusion B2.2 "Building and equipment instrumentation" effective November 14, 2011.

Justification: Project activities described in this EC are consistent with 10 CFR 1021, Appendix B to Subpart D CX B2.2 "Building and equipment instrumentation" which includes "installation of, or improvements to, building and equipment instrumentation..."

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: 4/27/2012