

NEPA ID	Title	Description	Determination	CX Code	CX Cited	CX Date
SNC10-0001	East Avenue East End Improvement	Sandia National Laboratories/California (SNL/CA) plans to improve the eastern section of East Avenue to enable controlled visitor access to the Combustion Research Facility (CRF) Complex from the east side of the SNL/CA site. After completion of the project, visitors to the CRF will be able to enter SNL/CA through an existing security checkpoint (Greenville Gate) located at the east end of East Avenue. A new property protection area fence will be installed near the center of East Avenue. A new roadway for outbound visitor traffic will be created immediately south of East Avenue along an existing Sandia fence line. The existing SNL/CA perimeter fence configuration will remain unchanged. This project is identified as a Phase I activity in the Mission Need Concept for Establishment of the Livermore Valley Open Campus.	DOE determined CX	B 1.11 B 1.13	Fencing, no adverse effect on wildlife movement/surface water flow Construction/ acquisition/ relocation of onsite pathways, onsite access roads/railroads	12/10/2009
SNC10-0022	Neutron imaging of metal hydride beds at Oak Ridge National Laboratory, Spallation Neutron Source	Sandia National Laboratories staff will travel to Oak Ridge National Laboratory (ORNL) to perform neutron imaging measurements of vessels containing metal hydrides. The measurements will take approximately 3 days. Existing test articles will be shipped to the ORNL site prior to staff arrival.	DOE determined CX	B 3.6	Siting/construction/operation/ decommissioning of facilities for bench-scale research, conventional laboratory operations, small-scale research and development and pilot projects	12/30/2009

SNA09-0197	Terminal Ballistics Facility Minefield (TA-III)	Sandia National Laboratories/New Mexico Energetic Components Engineering proposes to continue to maintain a small minefield (mines without fuzes) south of the Terminal Ballistics Facility in Tech Area III, to support long-term study of mine detection.	DOE determined CX	B 3.11	Outdoor tests, experiments on materials and equipment components, no source, special nuclear, or byproduct materials involved	12/01/2009
SNA09-0400	Cloud Radar, Balloon Launcher, Data System, Utility, and Road Upgrades for ARM Climate Research Facility in Barrow, Alaska	Sandia National Laboratories/New Mexico Atmospheric Radiation Measurement (ARM) Climate Research Facility (ACRF) Program, proposes to perform instrument upgrades or additions at the DOE ACRF at Barrow, Alaska. Two of these additions would require pilings or significant modification to an existing structure. The electrical utility supply for the site has been marginal for many years and would be upgraded to improve reliability. The road to the site would also be improved. Activities at this ARM site include the collection and analysis of atmospheric data through the use of Lidar (Light Detection and Ranging) and other equipment. Additional details on the Barrow site can be viewed at: http://www.arm.gov/sites/nsa/barrow.stm .		B 1.3 B 3.6 B 4.13	Routine maintenance/custodial services for buildings, structures, infrastructures, equipment Siting/construction/operation/decommissioning of facilities for bench-scale research, conventional laboratory operations, small-scale research and development and pilot projects Reconstruction and minor relocation of existing electric power lines approximately 20 miles in length or less.	12/30/2009
SNA09-0439	Photovoltaic Panel Installation (Bldg. 833, TA-I)	Sandia National Laboratories/New Mexico (SNL/NM) Computing Systems & Technology Integration proposes to install photovoltaic (PV) panels to increase the use of renewable energy and offset energy costs. Initial installation would be 260 PV panels that would cover approximately 0.4 acre at the Distributed Energy Technologies Laboratory (DETL) site.	DOE determined CX	B 5.1	Actions to conserve energy	12/10/2009
SNA09-0443	Bldg. 860 Modal Lab 111 Reconfiguration	Sandia National Laboratories/New Mexico Building Operations - Area I North proposes to renovate and reconfigure the Modal Lab, Room 111, in Building 860. This renovation would include removing the centrifuge and filling the pit with gravel.	DOE determined CX	B 3.6	Siting/construction/operation/decommissioning of facilities for bench-scale research, conventional laboratory operations, small-scale research and development and pilot projects	12/30/2009

SNA09-0450	Intermediate Depth Penetration Testing Revised (GRABS Site)	Sandia National Laboratories/New Mexico proposes to perform research, development, and testing for advanced mechanical penetration technologies for work-for-others customers. The proposed activities would involve a shallow hole drilling demonstration at the Giant Reusable Air Blast Simulator (GRABS) site located on Kirtland Air Force Base. The proposed activities require a suitable location that would support drilling through limestone, and the GRABS site would provide an excellent location for these activities.	DOE determined CX	B 3.11	Outdoor tests, experiments on materials and equipment components, no source, special nuclear, or byproduct materials involved	12/10/2009
SNA10-0010	DETS Offsite Training Exercises and Courses	Sandia National Laboratories/New Mexico proposes to conduct, institute, organize, and/or field offsite training exercises and courses. The courses would take place offsite at customer-requested locations, including, but not limited to, Department of Defense, Department of Justice, and Other Government Agency bases, institutions, and directed locations.	DOE determined CX	B 1.2	Training exercises and simulation	12/10/2009
SNA10-0011	Building 860 2nd Floor Improvements North End (TA-I)	Sandia National Laboratories/New Mexico Building Operations - Area I North proposes to renovate the north half of Building 860, 2nd floor, to update the offices with new cubicles, power, communications, and light switching.	DOE determined CX	B 1.3	Routine maintenance/custodial services for buildings, structures, infrastructures, equipment	11/24/2009
SNA10-0034	Scanning Precipitation Radar for Barrow, Alaska	Sandia National Laboratories/New Mexico Energy, Climate, and Atmospheric Management Department and the Atmospheric Radiation Measurement (ARM) Climate Research Facility (ACRF) Program, propose to perform an instrument addition at the DOE ACRF at Barrow, Alaska. The addition proposed in this NEPA Checklist would be the installation of a scanning precipitation radar near Barrow, Alaska. Because one of the scientific goals for this	DOE determined CX	B 3.6	Siting/construction/operation/decommissioning of facilities for bench-scale research, conventional laboratory operations, small-scale research and development and pilot projects	12/30/2009

		radar would be to map precipitation above the DOE ACRF location, the precipitation radar would be located at a distance from the DOE ACRF, preferably about 10 kilometers (km) (~6 miles [mi]) away. Additional details on the Barrow site can be viewed at: http://www.arm.gov/sites/nsa/barrow.stm .				
SNA10-0047	Remove Unneeded Test Structures at National Solar Thermal Test Facility	Sandia National Laboratories/New Mexico proposes to remove unneeded and excess test structures at the National Solar Thermal Test Facility (NSTTF). The test structures are located in or near the Central Receiver Facility. The D&D Program has unique contractor capabilities that would allow the safe and efficient removal of the subject test structures.	DOE determined CX	B 1.23	Demolition/disposal of buildings	12/11/2009
SNA10-0048	+Solubility of Synthesized Iron and Lead Sulfide Minerals	Sandia National Laboratories/New Mexico proposes to prepare aqueous solutions of Na ₂ S.9H ₂ O (sodium sulfide nonahydrate) in an anoxic glove box, and combine the solution with aqueous solutions of iron/lead, to synthesize iron/lead sulfide minerals. The solubility of these minerals in brine would be measured.	DOE determined CX	B 3.6	Siting/construction/operation/decommissioning of facilities for bench-scale research, conventional laboratory operations, small-scale research and development and pilot projects	12/10/2009
SNA10-0064	Site Characterization for SHFD Project (Socorro, New Mexico)	Sandia National Laboratories/New Mexico proposes to perform site characterization and coring activities as part of research for advanced mechanical penetration technologies for work-for-others customers. Proposed activities would be needed to proceed with the Strategically Hardened Facility Defeat project to develop and integrate penetration, energy, and navigation subsystems.	DOE determined CX	B 3.1	Site characterization/environmental monitoring	12/04/2009

SNA10-0081	Muon Detection (Bldg. 970, Technical Area-IV)	Sandia National Laboratories/New Mexico proposes to perform testing of a customer-supplied detector, to evaluate the ability of the detector to measure natural background cosmic radiation (muons). In addition to the earth overburden on the Bldg. 970 tunnel, various articles would be used as radiation shielding.	DOE determined CX	B 3.6 B 3.11	Siting/construction/operation/decommissioning of facilities for bench-scale research, conventional laboratory operations, small-scale research and development and pilot projects Outdoor tests, experiments on materials and equipment components, no source, special nuclear, or byproduct materials involved	12/07/2009
SNA10-0084	SNA10-0084, Carlsbad Programs Group Facility (Bldgs. NPHA and NPHB)	Sandia National Laboratories Carlsbad Programs Group proposes to continue facilities operations at the National Parks Highway buildings (NPHA and NPHB).	DOE determined CX	B 1.3	Routine maintenance/custodial services for buildings, structures, infrastructures, equipment	12/30/2009