Appendix A

WAG 6 and 10 IC Sites Information and Photographs

Appendix A

WAG 6 and 10 IC Sites Information and Photographs

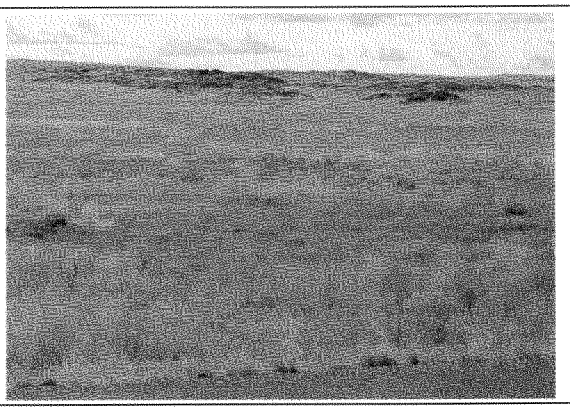
Arco High Altitude Bombing Range (ORD-01)	Facility Security	Signs	Fences	Other	Administrative Controls for Access to the Site	Administrative Controls at the Work Site
History: The Arco High Altitude Bombing Range was a 26,400-acre practice bombing range used by the army during Word War II. The practice bombs were primarily 100-lb, sand-filled bombs with black powder spotting charges and simple, high-reliability, impact-activated initiators. **Contaminants of Concern:** Unintentional UXO detonation. **ROD Requirements**: Prevent exposure to potential UXO, except for approved activities pursuant to the FFA/CO (DOE-ID 1991). Control land use as industrial until discontinued based on results of a five-year review.	Secured by INEEL boundaries	INEEL boundary signs are posted	None			MCP-3002, MCP-3480, and STD-101
	Comments: Inspection Date: 02/18/03					

Figure A-1. Arco High Altitude Bombing Range.

BORAX Ditch (BORAX-08)	Facility Security	Signs	Fences	Other	Administrative Controls for Access to the Site	Administrative Controls at the Work Site
History: The BORAX Ditch is an unlined ditch approximately 40 ft north of the former BORAX-II through -V reactor. A raw water line from the reactor emptied into the ditch. Although there is no record of the constituents or volume released to the ditch, sampling revealed radionuclide-contaminated soil. **Contaminants of Concern**: Cesium-137. **ROD Requirements**: Prevent exposure to contaminated soil, except for approved activities pursuant to the FFA/CO (DOE-ID 1991). Control land use as industrial until discontinued based on results of a five-year review.	Secured by INEEL boundaries	"Environmentally Controlled Area" signs are posted	None			MCP-3002, MCP-3480, and STD-101
	Comments: Inspection Date: 02/18/03					

Figure A-2. BORAX Ditch.

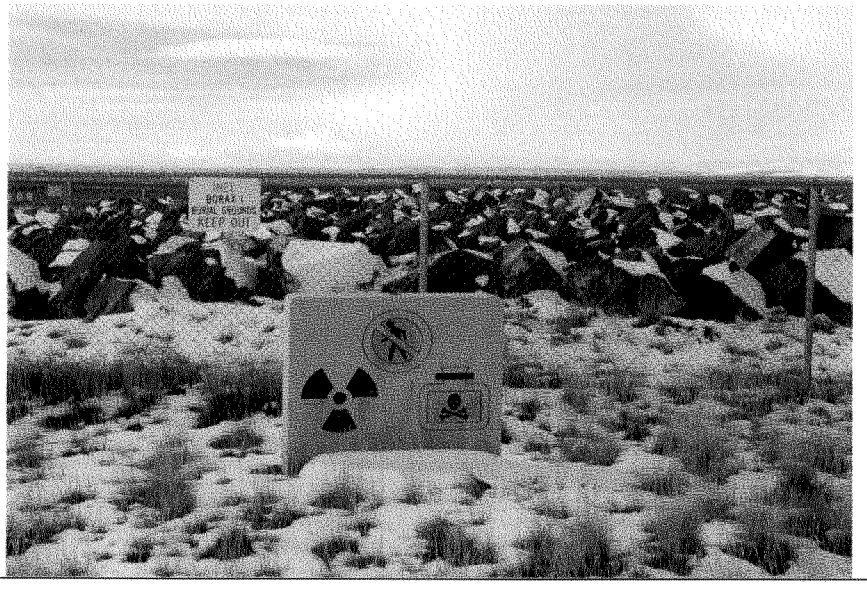
BORAX-I Burial Site (BORAX-02)	Facility Security	Signs	Fences	Other	Administrative Controls for Access to the Site	Administrative Controls for Access to the Site
History: The BORAX-I reactor was established to test boiling water as a reactor coolant. The reactor was deliberately destroyed in 1954. The aboveground structures were removed, and the reactor was buried in place. The area was capped with boulders and contained in a fence. **Contaminants of Concern**: Cesium-137. **ROD Requirements**: Maintain the integrity of the contaminant barrier.	Secured by INEEL boundaries	"Environmentally Controlled Area" and INEEL Boundary signs are posted	Chain link fence	Permanent monument with radiation and poison symbols, RIP-RAP		MCP-3002, MCP-3480, and STD-101
	Comments: Inspection Date: 02/18/03					

Figure A-3. BORAX-I Burial Site.

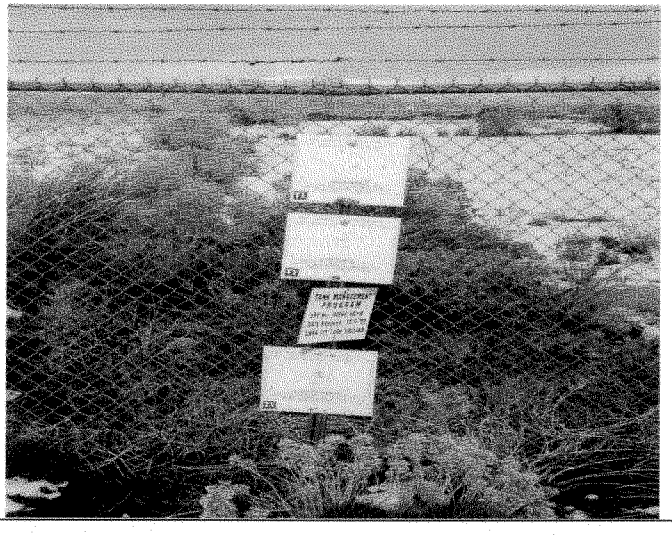
BORAX-II through -V (BORAX-09)	Facility Security	Signs	Fences	Other	Administrative Controls for Access to the Site	Administrative Controls at the Work Site
History: The BORAX-II through -V reactor experiments were conducted between 1953 and 1964 at this site. Each of the reactor experiments shared the facility by modifying the reactor core, as necessary. Aboveground facilities were removed in 1985, and the reactor was entombed with concrete and buried under clean soil. **Contaminants of Concern**: Cesium-137. **ROD Requirements**: Maintain the integrity of the contaminant barrier.	Secured by INEEL boundaries	"Environmentally Controlled Area" and INEEL Boundary signs are	Chain link and barbwire fence			MCP-3002, MCP-3480, and STD-101
	Comments: Inspection Date: 02/18/03					

Figure A-4. BORAX-II through V.

BORAX-II through -V Leach Pond (BORAX-01)	Facility Security	Signs	Fences	Other	Administrative Controls for Access to the Site	Administrative Controls at the Work Site
History: The BORAX leach pond was used from 1954 to 1964 to collect low-level, radioactively-contaminated discharges from the BORAX-II through -V experiments. The pond was approximately 20 by 90 ft and up to 3 ft deep. Radiological surveys conducted in 1982 revealed radionuclide-contaminated soil. In 1984, the pond was backfilled with clean soil and reseeded. **Contaminants of Concern**: Cesium-137. **ROD Requirements**: Prevent exposure to contaminated soil, except for approved activities pursuant to the FFA/CO (DOE-ID 1991). Control land use as industrial until discontinued based on results of a five-year review.	Secured by INEEL boundaries	"Environmentally controlled Area," INEEL Boundary, and radiation signs are posted	None	Concrete monument		MCP-3002, MCP-3480, and STD-101
	Comments: Inspection Date: 02/18/03					

Figure A-5. BORAX-II through -V Leach Pond.

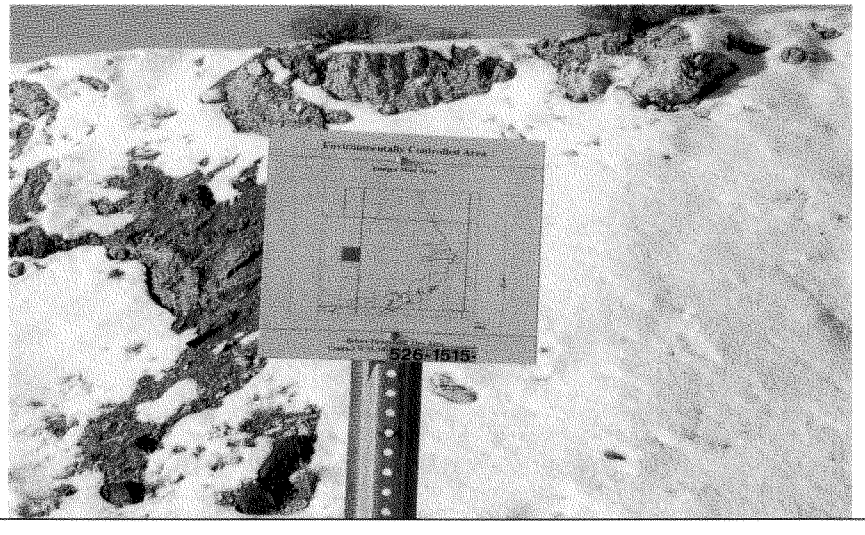
Juniper Mine (ORD-21)	Facility Security	Signs	Fences	Other	Administrative Controls for Access to the Site	Administrative Controls at the Work Site
History: This site contains an old mineshaft that terminates at the water table approximately 400 ft below land surface. The mineshaft was used for seismic testing in 1974, using the high explosive IERGEL 376. One detonation test failed, leaving approximately 16,000 lb of high explosives buried in the mineshaft. In addition, up to 6 lb of TNT-based explosive boosters and an undetermined amount of severed detonation cord may also remain. The mineshaft has been backfilled to the surface. **Contaminants of Concern**: Potentially explosive material. **ROD Requirements**: Prevent exposure to potentially explosive material, except for approved activities pursuant to the FFA/CO (DOE-ID 1991). Control land use as industrial until discontinued based on results of a five-year review.	Secured by INEEL boundaries	"Environmentally Controlled Access" and INEEL Boundary signs are posted	None			MCP-3002, MCP-3480, and STD-101
	Comments: The site is within INEEL boundaries but may be accessed without passing through a security gate. Inspection Date: 02/18/03					

Figure A-6. Juniper Mine.

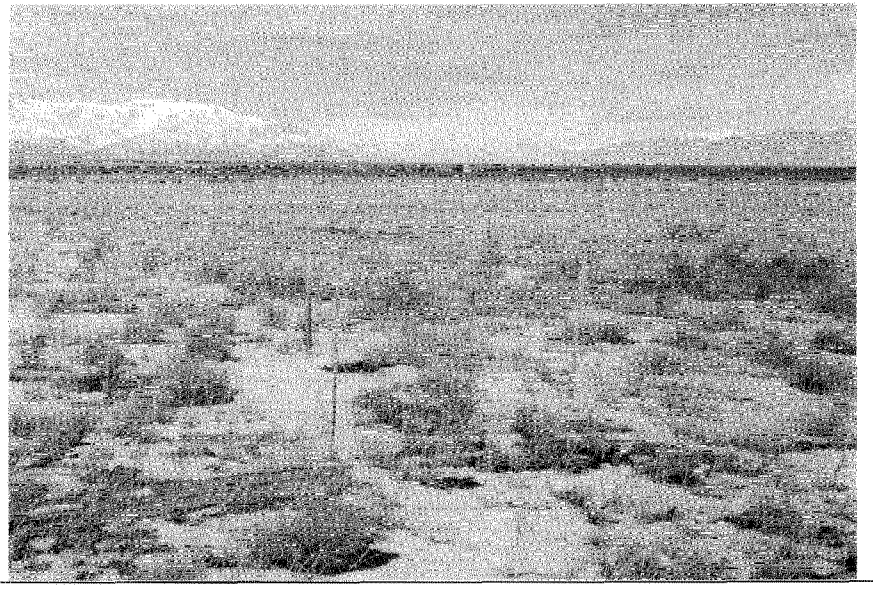
Land Mine Fuze Burn Area (ORD-24)	Facility Security	Signs	Fences	Other	Administrative Controls for Access to the Site	Administrative Controls at the Work Site
History: This site consists of five ordnance disposal locations in a 30-acre area. NPG personnel use the site to dispose of land mine pressure plates and aerial bomb packaging materials. This site was also used as an area to dispose of land mine fuses by burning. **Contaminants of Concern**: UXO and TNT. **ROD Requirements**: Prevent exposure to contaminated soil, except for approved activities pursuant to the FFA/CO (DOE-ID 1991). Control land use as industrial until discontinued based on results of a five-year review.	Secured by INEEL boundaries	No signs currently posted	No fences currently surround the area		Must access through main INEEL security gate	MCP-3002, MCP-3480, and STD-101
	Comments: Inspection Date: 02/18/03					

Figure A-7. Land Mine Fuze Burn Area.

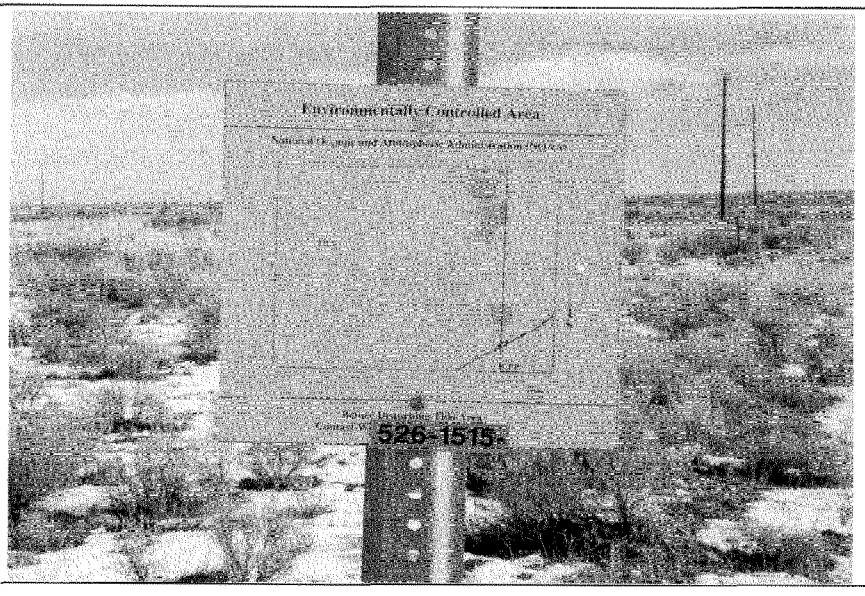
National Oceanic and Atmospheric Administration (ORD-08)	Facility Security	Signs	Fences	Other	Administrative Controls for Access to the Site	Administrative Controls at the Work Site
History: This 63-acre site is located in the downrange area of the Naval Firing Site and contains numerous small craters, low-order bomb casings and detonators, and some widely scattered pieces of explosives. A National Oceanic and Atmospheric Administration weather station is currently locate at this site. **Contaminants of Concern**: UXO and TNT/RDX. **ROD Requirements**: Prevent exposure to contaminated soil, except for approved activities pursuant to the FFA/CO (DOE-ID 1991). Control land use as industrial until discontinued based on results of a five-year review.	Secured by INEEL boundaries	"Environmentally Controlled Area" signs are posted	None		Must access through the main INEEL security gate	MCP-3002, MCP-3480, and STD-101
	Comments: Inspection Date: 02/18/03					

Figure A-8. National Oceanic and Atmospheric Administration.

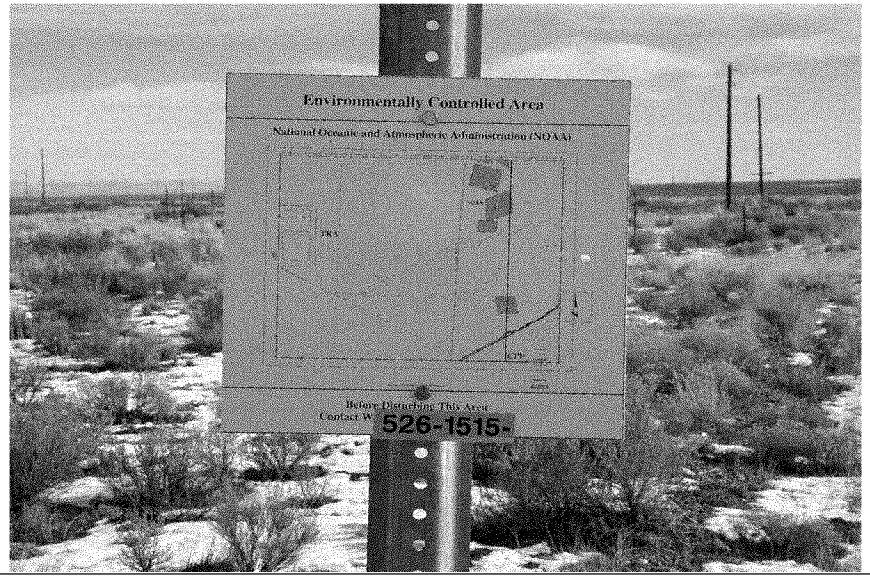
National Oceanic and Atmospheric Administration (ORD-08)	Facility Security	Signs	Fences	Other	Administrative Controls for Access to the Site	Administrative Controls at the Work Site
History: This 63-acre site is located in the downrange area of the Naval Firing Site and contains numerous small craters, low-order bomb casings and detonators, and some widely scattered pieces of explosives. A National Oceanic and Atmospheric Administration weather station is currently locate at this site. **Contaminants of Concern**: UXO and TNT/RDX. **ROD Requirements**: Prevent exposure to contaminated soil, except for approved activities pursuant to the FFA/CO (DOE-ID 1991). Control land use as industrial until discontinued based on results of a five-year review.	Secured by INEEL boundaries	"Environmentally Controlled Area" signs are posted	None		Must access through the main INEEL security gate	MCP-3002, MCP-3480, and STD-101
	Comments: Inspection Date: 02/18/03					

Figure A-8. National Oceanic and Atmospheric Administration.

NPG (ORD-03)	Facility Security	Signs	Fences	Other	Administrative Controls for Access to the Site	Administrative Controls at the Work Site
History: The NPG gun range encompasses a downrange fan approximately 30 mi long and up to 6 mi wide. This site is composed of 36 smaller ordnance sites. **Contaminants of Concern**: Unintentional detonation of UXO. **ROD Requirements**: Prevent exposure to potential UXO, except for approved activities pursuant to the FFA/CO (DOE-ID 1991). Control land use as industrial until discontinued based on results of a five-year review.	Secured by INEEL boundaries	"Environmentally Controlled Area" signs are present at many of the individual sites	None		Must access through the main INEEL security gates	MCP-3002, MCP-3480, and STD-101
	Comments: Inspection Date: 02/18/03					

Figure A-9. NPG.

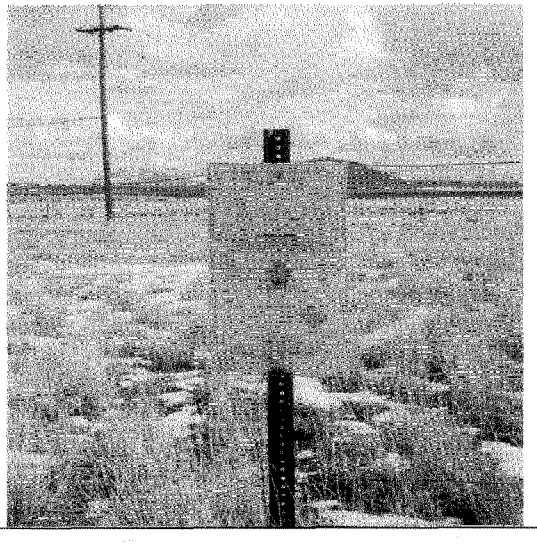
MORE-01 Leach Pond (OMRE-01)	Facility Security	Signs	Fences	Other	Administrative Controls for Access to the Site	Administrative Controls at the Work Site
History: The OMRE leach pond was used for wastewater disposal from the OMRE reactor from 1957 to 1963. Wastewater sent to the pond evaporated or infiltrated the ground. A portion of the pond was excavated and sent to RWMC. The pond has been backfilled and revegetated with grass. **Contaminants of Concern**: Cesium-137. **ROD Requirements**: Prevent exposure to contaminated soil, except for approved activities pursuant to the FFA/CO (DOE-ID 1991). Control land use as industrial until discontinued based on results of a five-year review.	Secured by INEEL boundaries	"Environmentally Controlled Area" signs are posted	Wire fence		Must access through main INEEL security gates	MCP-3002, MCP-3480, and STD-101
	Comments: Inspection Date: 02/18/03					

Figure A-10. OMRE-01 Leach Pond.

STF Gun Range (STF-02)	Facility Security	Signs	Fences	Other	Administrative Controls for Access to the Site	Administrative Controls at the Work Site
History: This site was used for security force practice maneuvers, including small-arms target practice into the berm. Approximately five million rounds were fired into the berm between 1983 and 1990. **Contaminants of Concern**: Lead-contaminated soil. **ROD Requirements**: Prevent exposure to contaminated soil, except for approved activities pursuant to the FFA/CO (DOE-ID 1991). Control land use as industrial until discontinued based on results of a five-year review.	Secured by INEEL boundaries	Posted with "Live Munitions" sign	Double wire fence with entry gate surrounds the facility		Must access through INEEL security gates; a concrete barrier blocks the road to the STF site	MCP-3002, MCP-3480, and STD-101
	Comments: Inspection Date: 02/18/03					

Figure A-11. STF Gun Range.

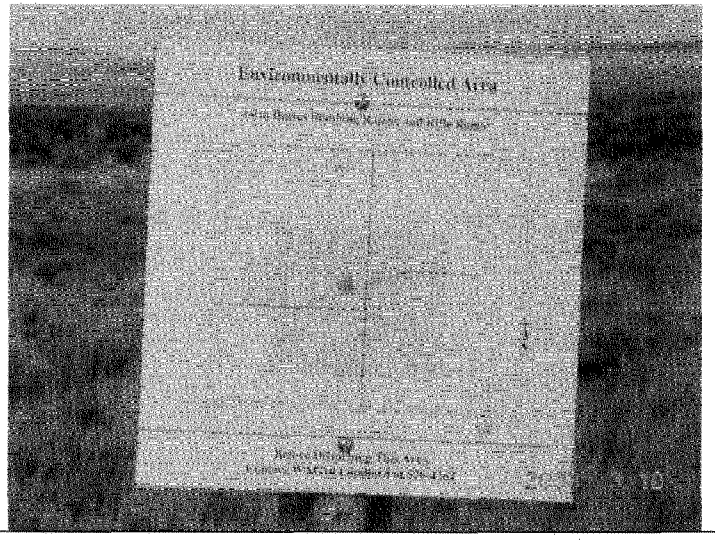
Twin Butte Bombing Range (ORD-09)	Facility Security	Signs	Fences	Other	Administrative Controls for Access to the Site	Administrative Controls at the Work Site
History: The Twin Butte Bombing Range was a 9,291-acre practice bombing range for B-17 bombers during the 1940s. Over 1,400 practice bombs, two live fuses, and some partial bomb pieces have been located in the area. **Contaminants of Concern**: Unintentional UXO detonation. **ROD Requirements**: Prevent exposure to potential UXO, except for approved activities pursuant to the FFA/CO (DOE-ID 1991). Control land use as industrial until discontinued based on results of a five-year review.	Partially secured by INEEL boundaries	"Environmentally Controlled Area" and INEEL boundary signs are posted	None			MCP-3002, MCP-3480, and STD-101
	Comments: Inspection Date: 02/18/03					

Figure A-12. Twin Butte Bombing Range.

EBR-I (WMO-703) Fuel Oil Tank (EBR-08)	Facility Security	Signs	Fences	Other	Administrative Controls for Access to the Site	Administrative Controls for the Work Site
History: This was the site of a UST that contained No. 2 diesel heating fuel for the EBR-I facility from 1952 to 1988. Removal from the ground in 1990 revealed several holes up to 6 in. in diameter in the tank. Diesel-contaminated soil was removed from below the tank until bedrock was encountered. The excavation was backfilled with clean soil. **Contaminants of Concern**: TPH diesel fuel. **ROD Requirements**: Prevent exposure to contaminated soil, except for approved activities pursuant to the FFA/CO (DOE-ID 1991). Control land use as industrial until discontinued based on results of a five-year review.	Secured by INEEL boundaries	"Environmentally Controlled Area" and INEEL boundary signs are posted	EBR-I facility fence line			MCP-3002, MCP-3480, and STD-101
	Comments:					
	Inspection Date: 02/18/03					

Figure A-13. EBR-I (WMO-703) Fuel Oil Tank.

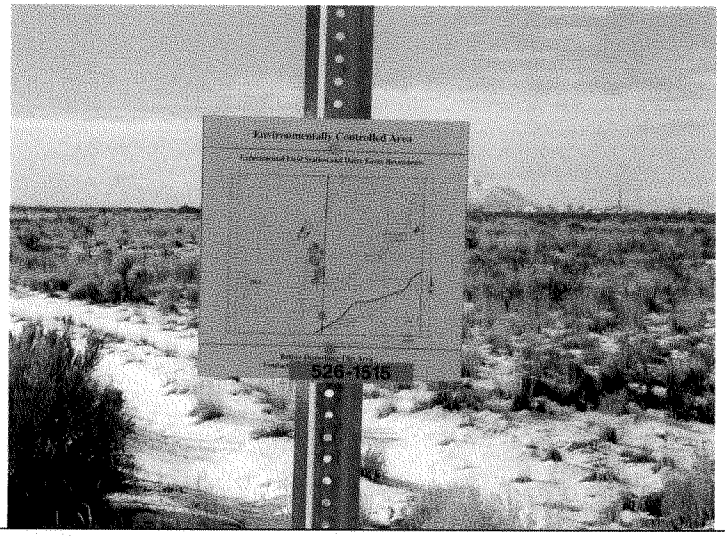
Experimental Field Station (ORD-15)	Facility Security	Signs	Fences	Other	Administrative Controls for Access to the Site	Administrative Controls at the Work Site
History: The Experimental Field Station is located downrange of the firing point of the NPG. World War I and II vintage bombs and widespread heavy concentrations of explosive-contaminated soil are located in the area. In 1996 assessment and removal actions were conducted. **Contaminants of Concern**: UXO and TNT. **ROD Requirements**: Control land use as industrial until discontinued based on results of a five-year review.	Secured by INEEL boundaries	"Environmentally Controlled Area" is sign posted			Must be accessed through INEEL security gates	MCP-3002, MCP-3480, and STD-101
	Comments: Inspection Date: 02/18/03					

Figure A-14. Experimental Field Station.

Fire Station II Zone and Range Fire Burn Area (ORD-10)	Facility Security	Signs	Fences	Other	Administrative Controls for Access to the Site	Administrative Controls at the Work Site
History: This 800-acre area, located adjacent to the Fire Station II training site for the INEEL fire department, is downrange of the NPG. In the early 1970s, a range fire burned through the area, exposing UXO. In 1995, the area was cleared of UXO, pieces of explosives, and a few areas of explosive-contaminated soil. Areas of contaminated soil above action levels were excavated by hand until cleanup levels were met. **Contaminants of Concern**: UXO and TNT/RDX. **ROD Requirements**: Control land use as industrial until discontinued based on results of a five-year review.	Secured by INEEL boundaries	"Environmentally Controlled Area" sign is posted			Must be accessed through INEEL security gates	MCP-3002, MCP-3480, and STD-101
	Comments: Inspection Date: 3/10/03					

Figure A-15. Fire Station II Zone and Range Fire Burn Area.

Naval Ordnance Disposal Area (ORD-06)	Facility Security	Signs	Fences	Other	Administrative Controls for Access to the Site	Administrative Controls at the Work Site
History: The Naval Ordnance Disposal Area was used as an ordnance and nonradioactive hazardous materials disposal site. The U.S. Navy disposed of ordnance during the 1940s. From 1967 to 1985, approximately 7,000 lb of reactive materials were treated (burned) at the Naval Ordnance Disposal Area. In 1994, approximately 40 acres were cleared of ordnance and pieces of explosives to a depth of 4 ft. **Contaminants of Concern**: UXO and RDX. **ROD Requirements**: Control land use as industrial until discontinued based on results of a five-year review.	Secured by INEEL boundaries	"Environmentally Controlled Area" sign is posted			Must be accessed through INEEL security gate	MCP-3002, MCP-3480, and STD-101
	Comments:					
	Inspection Date: 3/10/03					

Figure A-16. Naval Ordnance Disposal Area.