



Sandia National Laboratories

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**ENVIRONMENTAL RESTORATION PROJECT  
CD-4A  
EXECUTIVE SUMMARY AND  
SUPPLEMENTAL TABLES**

**PBS VL-SN-0030  
SOIL AND WATER REMEDIATION**

**November 2008**

United States Department of Energy



Sandia Site Office  
Environmental Restoration Project

## EXECUTIVE SUMMARY

The U.S. Department of Energy (DOE), Sandia Site Office (SSO) Environmental Management (EM) Program is currently responsible for the management of the Sandia National Laboratories (SNL) Environmental Restoration (ER) Project, which has involved the environmental restoration of approximately 300 former test sites located at three SNL facilities (Albuquerque, New Mexico; Livermore, California; and Kauai, Hawaii). This document addresses close-out of PBS [Project Baseline Summary] VL-SN-0030, which involves only ER sites at SNL/New Mexico (SNL/NM). Appendix A lists key SNL ER activities. ER-related activities at Kauai Test Facility, SNL/California, and Tonopah Test Range (TTR) are not included in the PBS. Activities at the first two locations were completed before the PBS was established; environmental restoration at TTR is not part of this plan because it is covered under the Nevada Site Office's PBS for remediation. The current status of all sites investigated by SNL is provided in Appendix B.

The primary objective of this transition plan is to describe the close-out of the ER Project (PBS VL-SN-0030), and identify and guide the execution of actions required to transition from ER to long-term stewardship (LTS) activities. In most cases, an ER site is considered complete and appropriate for transfer to the LTS program when the site has received final regulatory approval for No Further Action (NFA)/Corrective Action Complete (CAC) from the responsible regulatory authority. Exceptions to this are the three groundwater sites at SNL/NM which are expected to have monitored natural attenuation as a final remedy; if this remedy is approved for each of these sites by the New Mexico Environment Department (NMED), these sites will be completely transferred to LTS when the Corrective Measures Implementation Plan (CMIP) is approved.

The majority of the ER sites that required restoration resulted from past activities conducted at a variety of test sites and laboratory facilities. The sites included various firing sites, explosive test sites, burn sites, and other test sites such as rocket sled tracks and aerial cable drop sites. In addition to the test sites, several landfills and numerous dumps, burial sites, disposal pits, and oil spills required investigation and potential remediation. Potentially contaminated infrastructure associated with these sites included numerous storm drains, waste lines, and septic systems. The ER Project has addressed remediation of the vast majority of the sites and is currently in the process of finalizing regulatory post-closure requirements for a few remaining sites.

At SNL/NM, all sites have been characterized, as have three areas of low-concentration groundwater contamination. Four major landfills and numerous smaller sites have been remediated. The ER Project had responsibility for 268 sites on Kirtland Air Force Base. Of these, three are deferred active mission sites that are not scheduled for remediation. The Mixed Waste Landfill (MWL) is expected to complete remedy implementation in FY2009, and the Chemical Waste Landfill (CWL) (Solid Waste Management Unit [SWMU] 74), is not subject to the NFA/CAC process. As of July 2006, NFA/CAC proposals had been submitted to the NMED for the remaining 263 sites. As of November 2008, regulatory approval has been received for 232 of these sites and 31 of them are in the final permit modification process. Pursuant to the DOE/EM corporate performance measures, 263 of 265 site counts are complete. Table 1 presents detailed status for each of the 268 SNL/NM sites and the three groundwater sites.

The DOE has established the transition schedule for the SSO. A portion of the ER Project closed out via a conditional Critical Decision-4 (CD-4) process on September 30, 2006, and the LTS program under the National Nuclear Security Administration (NNSA) began on October 1, 2006. At that time, DOE/SSO had completed: 1) environmental restoration of most ER sites to the satisfaction of the NMED or other applicable state, federal, and local regulators; 2) an LTS Implementation Plan; and 3) a Corrective Measures Implementation (CMI) Plan for the installation of a cover on the MWL. In December 2007, the NMED completed a draft Resource Conservation and Recovery Act (RCRA) permit that detailed LTS requirements for the New Mexico sites; the NMED is expected to complete a second draft of this permit in FY09.

A number of activities remain to be conducted by the DOE (Table 2). One landfill, the MWL, is expected to require additional restoration work. Regulatory approval must be obtained for the CWL Post-Closure

Table 1  
Regulatory Status of 268 Environmental Restoration Soil Sites\* and Three Groundwater Areas at SNL/NM (As of November 2008)

Status		Sites/Areas	
BSGW CME Workplan in NMED Review, Received NOD on CCM for TAG and CME Report for TA-V		3 Areas	TAG, TA-V, BSGW
Deferred active mission sites not scheduled for remediation		3 SWMUs	83, 84, 240
Sites not going through NFA/CAC Process		1 SWMU	74 (Chemical Waste Landfill subject to a Closure Plan; Final permit approval pending comment resolution)
NFA/CAC document not yet submitted to NMED		0 SWMUs	NA
		0 AOCs	NA
SNL/NM Submitted NFA/CAC Proposal	Awaiting Initial NMED Response	0 SWMUs	NA
		0 AOCs	NA
	Received Request for Supplemental Information: SNL/NM Action Required	1 SWMUs	76 (Mixed Waste Landfill CMI Plan submitted – responding to 3 <sup>rd</sup> NOD on CMI Plan; CMI Report due 180 days after fieldwork complete)
		0 AOCs	NA
	Received and Answered Request for Supplemental Information: NMED Action Required	0 SWMUs	NA
		0 AOCs	NA
SNL/NM Submitted NFA/CAC Proposal; Received NMED Acceptance Letter		23 SWMUs	4, 5, 8, 28-2, 46, 49, 52, 58, 68, 91, 101, 105,116, 138, 140, 147, 149, 150, 154, 161, 196, 233, 234
		8 AOCs	1090, 1094, 1095, 1101, 1114, 1115, 1116, 1117
Class III Permit Modification Process Complete (Permit Modification Approved by NMED)		<u>SWMUs</u> <u>3 Transferred to KAFB</u>	7, 23, 61B
		<u>SWMUs</u> 18 With Controls	1, 2, 3, 45, 48, 54, 87, 94B, 94F, 96, 98, 135, 136, 137, 190, 226, 227, 229
		<u>AOCs</u> 4 With Controls	94H, 1029, 1081, TNT Site
		<u>SWMUs</u> 154 Without Controls	6, 6A, 9, 10, 11, 12A, 12B, 13, 14, 15, 16, 17A-H, 18, 19, 20, 21, 22, 25, 26, 27, 28-1, 28-3, 28-4, 28-5, 28-6, 28-7, 28-8, 28-9, 28-10, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 47, 50, 51, 53, 55, 56, 57A, 57B, 59, 60, 61A, 61C, 62, 63A, 63B, 64, 65A, 65B, 65C, 65D, 65E, 66, 67, 69, 70, 71, 72, 73, 77, 78, 81A, 81B, 81C, 81D, 81E, 81F, 82, 85, 86, 88A, 88B, 89A-C, 90, 92, 93A-C, 94A, 94C, 94D, 94E, 94G, 100, 102, 103, 104, 107, 108, 109, 111, 112, 113, 114, 115, 117, 139, 141, 142, 143, 144, 145, 146, 148, 151, 152, 153, 155, 159, 160, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 178, 179, 180, 181, 186, 187, 188, 191, 192, 193, 194, 195, 211, 228A, 228B, 230, 231, 232, 235, 241, 275
		<u>AOCs</u> 53 Without Controls	276, 277, 278, 1001, 1003, 1004, 1006, 1007, 1008, 1009, 1010, 1014, 1015, 1020, 1024, 1025, 1026, 1027, 1028, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1052, 1072, 1073, 1077, 1078, 1079, 1080, 1082, 1083, 1084, 1086, 1087, 1089, 1091, 1092, 1093, 1096, 1098, 1102, 1104, 1105, 1108, 1110, 1111, 1112, 1113, 1120

\*Final decisions regarding institutional controls will be negotiated as part of the RCRA permit renewal.

AOC = Area of Concern.

BSGW = Burn Site Groundwater

CAC = Corrective Action Complete.

CCR = Current Conceptual Model

CME = Corrective Measures Evaluation

CMI = Corrective Measure Implementation.

NA = Not applicable.

NFA = No further action.

NMED = New Mexico Environment Department.

NOD = Notice of Deficiency

SNL/NM = Sandia National Laboratories/New Mexico.

SWMU = Solid Waste Management Unit.

TA = Technical Area

TAG = Tijeras Arroyo Groundwater

TNT = 2,4,6-Trinitrotoluene

Table 2  
Remaining EM Commitments

Activity	Fiscal Year
Install vegetative cover on the MWL	2009
Submit MWL CMI Report	TBD*
Submit CWL RCRA Report	TBD*
Submit CME Report for BSG	TBD*
Submit CMI Plans for TAG, TA-V Groundwater, and BSG	TBD*
Complete final closure activities for 34 sites	TBD*

\*There is a potential for the schedule to slip 4-7 years beyond FY 2009 if the risk of regulatory-driven scope and delays cannot be mitigated via negotiations with the State regulatory authority.

BSG = Burn Site Groundwater.  
CME = Corrective Measures Evaluation.  
CMI = Corrective Measures Implementation.  
CWL = Chemical Waste Landfill.  
MWL = Mixed Waste Landfill.  
RCRA = Resource Conservation and Recovery Act  
TA = Technical Area.  
TAG = Tijeras Arroyo Groundwater.

Care Plan and related documents. Permit modifications and the associated public poster sessions must be completed. Three deferred active mission sites, listed in Table 1, will be a future liability, but are not scheduled for cleanup at this time. Table 3 lists the greatest potential programmatic risks.

The final requirements for monitoring at the MWL are being negotiated with the NMED, as required by the May 2005 Final Order resulting from the MWL hearing. A cover will then be installed, and a CMI Report generated. A Long-Term Monitoring and Maintenance Plan for the MWL has been submitted to the NMED but is expected to require extensive revisions and regulatory approval must be obtained to define long-term care requirements.

The final corrective measures (also known as final remedies) for the groundwater areas (Tijeras Arroyo Groundwater [TAG], Technical Area [TA]-V, and the Burn Site Groundwater (BSGW) Area) have yet to be determined but are expected to be monitored natural attenuation which involves long-term monitoring, surveillance and maintenance, institutional and physical controls, reporting, and reassessment. The Corrective Measures Evaluation (CME) Reports for TAG (SNL/NM August 2005) and TA-V (SNL/NM July 2005) include the technical rationale for the selected remedy for each area and await regulatory approval. A Notice of Deficiency (NOD) was received in August 2008 for the TAG Investigation Report (also known as the Current Conceptual Model); this document precedes the CME Report. An NOD was also received in August 2008 for the TA-V CME Report; this NOD included several comments and requested additional groundwater and soil vapor wells which is currently the subject of negotiations with the NMED. A CME Report and CMI Plan will be prepared for the Burn Site Groundwater Area. The CME Report for the Burn Site Groundwater Area will include the technical rationale for the selected remedy and is anticipated to be completed in FY 2009. The CMI Plans for the TAG, TA-V, and BSGW areas are scheduled to be submitted to the NMED after the CME Reports. The long-term monitoring or other activities delineated by these regulatory documents will then be added to the scope of LTS as regulatory decisions are finalized.

Table 3  
Greatest Potential Programmatic Risks

<b>LTS Budget, Funding, and Personnel Requirements</b>
The scope of work currently in the LTS baseline (which estimates budget and resource requirements) is based upon receiving NMED approval of several existing regulatory documents as they have been written (without additional scope added). Actual baseline scope is yet to be determined for two sites where the post-closure care plans have not yet been approved and required scope may be greater than the assumed scope currently baselined.
DOE requirements for control of residual radioactive material may change and impose the need for further actions.
Regulators may revisit sites based upon changing standards (arsenic, perchlorate, need for groundwater investigation at surface sites, etc.); this may require activities at sites otherwise considered closed.
New sites may be discovered that require cleanup.
<b>ER Sites Not Remediated</b>
Three ER sites are deferred active mission sites that have not yet been remediated and pose a future liability. Current cost estimates for remediation are as follows: <ul style="list-style-type: none"> <li>• Long Sled Track (SWMU 83)—\$189M*</li> <li>• Gun Facility (SWMU 84)—\$5.4M*</li> <li>• Short Sled Track (SWMU 240)—\$47M*</li> </ul>

\*Cost is in FY08 dollars.

DOE = U.S. Department of Energy.  
ER = Environmental Restoration.  
LTS = Long-term stewardship.  
NMED = New Mexico Environment Department.  
SWMU = Solid Waste Management Unit.

The FY09 ER activities will be partially completed using carry-over funding of \$3.928M from the total funding of \$5.893M received in FY2007 for FY2008 and FY2009 work pursuant to Baseline Change Proposal (BCP) #20070781. An additional \$2.704M will be required prior to implementation of the vegetative cover on the MWL; a revised BCP requesting the additional funding was submitted to EM/HQ in October 2007. BCPs will be submitted to request funding for any ER activities remaining beyond FY09.

On October 1, 2006, the NNSA assumed responsibility for: 1) maintaining and implementing the LTS Implementation Plan; 2) managing site records; and 3) implementing and managing existing agreements/programs with regulatory agencies. Details of the scope are contained in the SNL LTS baseline. The NNSA budgeted for all activities delineated by this baseline starting in FY08. The life-cycle baseline estimate in current dollars for SNL LTS activities from FY08 through FY83 is \$940.6 million. The key milestones for the transition from ER to LTS are provided in Table 4.

The LTS baseline assumes that the remaining ER work will be completed by ER Project personnel using Environmental Management (EM) funding, and only routine long-term monitoring of these sites is conducted as part of LTS after FY06. A more complete estimate of the long-term monitoring scope will be added to the baseline once the applicable regulatory documents are finalized. If additional funding is required in the future (e.g., if regulatory standards change, if new legacy sites are discovered, if contaminant levels are found to exceed regulatory cleanup levels during monitoring), appropriate action will be taken per the NNSA and EM Terms and Conditions for *Environmental Cleanup Transition* document.

A draft conditional CD-4 package was submitted in June 2006, documenting DOE/SSO completion of 99 percent of the ER Project scope and verifying that remediation is complete and LTS is ready to begin. A revised CD-4A package was submitted in August 2007 and this is the final CD-4A package. EM-1 [Office of Environmental Management] and NA-50 [Office of Infrastructure and Environment] will submit the CD-4A package to the Acquisition Executive for approval.

Table 4  
Key Milestones for Transition

Activity	Date
ER Project submits draft PCTP	<i>05-01-06</i>
ER Project submits draft conditional CD-4 Package and Readiness Assessment Checklist to NA-56 for review and comment	<i>06-23-06</i>
NA-56 returns comments on PCTP, draft conditional CD-4 Package, and Readiness Assessment Checklist	<i>07-12-06</i>
SNL leads conduct of the Readiness Assessment (with SSO participation)	<i>07-25-06</i>
ER Project submits conditional CD-4 Package to EM and NNSA/HQ for review	<i>08-04-06</i>
ER Project submits updated CD-4A Package to EM and NNSA/HQ for review	<i>11-01-07</i>
ER Project submits final CD-4A Package to EM and NNSA/HQ for approval	<i>11-07-08</i>
DOE EM approves conditional CD-4A Package	<i>12-01-08</i>
ER Project closes (with exceptions delineated in text)	<i>09-30-06</i>
ER Project submits final LTS Implementation Plan to NNSA/HQ	<i>09-30-06</i>
NNSA begins LTS activities with EM funding	<i>10-01-06</i>
NNSA provides LTS FY08 budget with exception of overtarget activity	<i>10-01-07</i>
SNL ER completes all remaining project activities	TBD

Note: Dates in *italics* are actual completion dates.

CD-4 = Critical Decision 4.

DOE = U.S. Department of Energy.

EM = Environmental Management.

ER = Environmental Restoration.

FY = Fiscal year.

HQ = Headquarters.

LTS = Long-term stewardship.

NA-56 = Office of Environmental Projects and Operations.

NNSA = National Nuclear Security Administration.

PCTP = Project Close-Out and Transition Plan.

SNL = Sandia National Laboratories.

SSO = Sandia Site Office.

## **CD-4A Readiness Assessment Checklist**

<b>CD-4A READINESS ASSESSMENT CHECKLIST</b> (SNL Project Closeout and Transition) (modified 11/14/2008)						
<b>Sandia National Laboratories Environmental Restoration Project (PBS VL-SN-0030)</b>	<b>Assigned</b>	<b>Due Date</b>	<b>Complete? (Yes/No)</b>	<b>Date Completed</b>	<b>Evidence of Completion</b>	<b>Comment</b>
<b>2.1 Authorities and Accountabilities</b>						
2.1-a Accept Responsibility for implementing LTS	NNSA	10/1/07	Yes	10/1/07	Funding obtained for LTS, staff and other resources in place	
2.1-b Obtain regulatory approval of documents/permits	DOE/SSO	Dependent on Regulatory Approval	No		Permit Modification Request approved by regulatory authority for all sites but groundwater sites. CMI Plans approved for groundwater sites.	232/265 Sites NMED completed through permit modification request as of 9/30/08; 263/265 Sites DOE Complete on 9/30/07; Approval of CWL Post-Closure Permit TBD; 2 <sup>nd</sup> RCRA Part B NMED public comment period expected in FY09; final Approval TBD. Regulatory approval of 3 GW final remedies delayed. Significant risk exists of a schedule slip of 4 to 7 years beyond beyond FY2009.
2.1-c Accept Responsibility for Future Remediation of Active Sites	DOE	10/1/06	yes	9/27/06	LTS Implementation Plan submitted to DOE	
<b>2.2 Site Conditions - subsurface</b>						
<b>Groundwater</b>						
2.2.2-a Obtain regulatory approval for Tijeras and TA-V CME Reports	DOE/SSO	Dependent on Regulatory Approval	No		Regulator-approved CME Reports for Tijeras and TA-V Groundwater	Regulatory delays have been realized for these documents. Mitigation efforts are ongoing. Significant risk exists of delays beyond FY 2009.
2.2.2-b Obtain regulatory approval for Tijeras and TA- V Groundwater CMI Plans	DOE/SSO	Dependent on Regulatory Approval	No		Regulator-approved CMI Plans for Tijeras and TA-V Groundwater	Regulatory delays have been realized for these documents. Mitigation efforts are ongoing. Significant risk exists of delays beyond FY 2009.
2.2.2-c Conduct GW monitoring at all TAG and TA-V sites, following regulatory requirements	NNSA	10/1/06	Yes	10/1/06	Funding obtained for monitoring, staff and other resources in place	Compliance monitoring transitions to NNSA upon completion of characterization
2.2.2.1-a Complete and Submit to NMED a CME Plan for the Burn Site GW Area; obtain regulatory approval	DOE/SSO	Dependent on Regulatory Approval	No		Regulator-approved CME Plan for the Burn Site GW Area	CME Plan submitted to NMED in April 2008. Awaiting NMED review.
2.2.2.1-b Complete and Submit to NMED a CME Report for the Burn Site GW Area; obtain regulatory approval	DOE/SSO	TBD	No		Regulator-approved CME Report for the Burn Site GW Area	Regulatory delays have been realized for this document. Mitigation efforts are ongoing. Significant risk exists of delays beyond FY 2009.
2.2.2.1-c Complete and Submit to NMED a CMI Plan for the Burn Site GW Area; obtain regulatory approval	DOE/SSO	TBD	No		Regulator-approved CMI Plan for the Burn Site GW Area	Regulatory delays have been realized for this document. Mitigation efforts are ongoing. Significant risk exists of delays beyond FY 2009.
2.2.2.1-d Conduct GW monitoring at Burn Site According to regulatory requirements	DOE/SSO	10/1/06 for historic wells, 1/1/08 for 3 new wells	Yes		CCM submitted to NMED in April 2008	Ongoing monitoring for perchlorate at one well because concentration exceeds 4 µg/l limit written in the Compliance Order. Remainder of sampling transitioned to NNSA in January 2008.
<b>MWL</b>						
2.2.2.2-a Monitor MWL, according to NMED requirements	DOE/SSO	Ongoing – dependent on Regulatory Approval of the MWL LTMMMP	No		Funding obtained for monitoring, staff and other resources in place	MWL compliance monitoring transitions to NNSA upon NMED approval of the LTMMMP submitted to NMED in September 2007. Awaiting NMED review.



<b>CD-4A READINESS ASSESSMENT CHECKLIST</b> (SNL Project Closeout and Transition) (modified 11/14/2008)						
<b>Sandia National Laboratories Environmental Restoration Project (PBS VL-SN-0030)</b>	<b>Assigned</b>	<b>Due Date</b>	<b>Complete? (Yes/No)</b>	<b>Date Completed</b>	<b>Evidence of Completion</b>	<b>Comment</b>
2.2.2.2-b Obtain regulatory approval of MWL CMI Plan;	DOE/SSO	Dependent on Regulatory Approval	No		Regulator-approved CMI Plan for the MWL	Pending approval of response to 3 <sup>rd</sup> NOD received in October 2008. Includes negotiation of triggers for groundwater and soil vapor constituents that, if exceeded during LTS, could require remedial action.
2.2.2.2-c Install MWL cover	DOE/SSO	After NMED approval of CMI Plan; fieldwork scheduled for FY09	No		Cover installation complete	Pending NMED approval of the CMI Plan
2.2.2.2-d Submit MWL Quarterly Progress Reports to NMED	DOE/SSO	Quarterly during installation of the MWL cover	No		Quarterly reports	
2.2.2.2-e Complete and submit to NMED a CMI Report for MWL; obtain regulatory approval	DOE/SSO	180 days after installation of the MWL cover	No		Regulator-approved CMI Report for MWL	
2.2.2.2-f Complete and submit to NMED a Long-term Monitoring and Maintenance Plan for MWL; obtain regulatory approval	DOE/SSO	Dependent on Regulatory Approval	No		Regulator-approved Long-term Monitoring and Maintenance Plan for MWL	LTMMMP submitted to NMED 9/25/07; public comment period concluded. Awaiting NMED review comments and decision.
2.2.2.2-g Accept Responsibility for implementing MWL requirements according to Long-term Monitoring and Maintenance Plan	NNSA	Dependent on Regulatory Approval	No		Funding obtained; staff and other resources in place	
<b>Site Conditions - surface</b>						
2.2.3-a Negotiate with NMED to determine LTS Activities required at sites lacking clean closure	DOE/SSO	Dependent on Regulatory Approval	No		Final RCRA Permit with LTS requirements	Initial NMED public comment of RCRA Part B Permit completed in January 2008. 2 <sup>nd</sup> public comment period expected in FY09. Significant risk exist of delays beyond FY 2009.
<b>2.4 Institutional Controls, Operating and Maintenance Requirements, and Emergency/Contingency Planning</b>						
2.4.1-a Negotiate with NMED regarding appropriate ICs to be included in the RCRA Permit Revision	NNSA using EM funding	Dependent on Regulatory Approval	ongoing		Final RCRA Permit revision containing IC requirements	Initial NMED public comment of RCRA Part B Permit completed in January 2008. 2 <sup>nd</sup> public comment period expected in FY09. Significant risk exists of delays beyond FY 2009.
2.4.1-b Provide NNSA draft corporate IC processes per LTES Program Plan	NNSA	9/30/07	Yes	8/22/07	Signed IC Strategy Plan	
<b>2.5 Regulatory Requirements and Authorities</b>						
2.5.1-a Incorporate final regulatory decisions into SNL LTS Implementation Plan. Obtain funding through Project Controls Baseline process	DOE/SSO	Ongoing as regulatory Approvals are granted	ongoing		Updated LTS Implementation Plan Use BCP process to obtain additional funding as needed.	
<b>2.6 LTS Budget, Funding and Personnel Requirements</b>						
2.6.2-a Submit Baseline Change Proposals for NNSA Approval/disapproval as appropriate	DOE/SSO	FY07 and ongoing	ongoing		BCP documentation	Funding (\$5.893M) for implementation of FY 2008-09 was received in FY 2007 pursuant to Baseline Change Proposal (BCP) #20070781. A revised BCP requesting additional funding of \$2.69M was submitted to DOE HQ on October

<b>CD-4A READINESS ASSESSMENT CHECKLIST</b> (SNL Project Closeout and Transition) (modified 11/14/2008)						
<b>Sandia National Laboratories Environmental Restoration Project</b> (PBS VL-SN-0030)	<b>Assigned</b>	<b>Due Date</b>	<b>Complete? (Yes/No)</b>	<b>Date Completed</b>	<b>Evidence of Completion</b>	<b>Comment</b>
						25, 2007.
<b>2.8 Public Education, Outreach, Information and Notice Requirements</b>						
2.8-a Enhance public-accessible LTS web site	DOE/SSO	FY06 and ongoing	ongoing		Functional web site	
2.8-b Develop Environmental Outreach and Public Participation Strategy	DOE/SSO	9/30/07	Yes	8/8/07	Signed LTES Outreach Strategy Plan	
<b>3.0 Critical Decision-4A</b>						
3.1-a Submit draft CD-4A Package	DOE/SSO	6/30/06	Yes	5/8/06	Draft CD-4A Package including Post-Closeout Transition Plan	CD-4A updated with current status in FY09 (this transmittal).
3.1-b Return comments to FY 06 Closure Sites	NA-56	7/17/06	yes	7/17/06	Written comments obtained for FY 06 Closure Sites	
3.1-c Conduct Readiness Assessments on Project Closure and LTS startup	SNL with DOE/SSO observation	7/21/06	Yes	7/28/06	Signed Verification of Readiness Assessment	Since the readiness assessment was signed in July 06, LTS has taken responsibility for several things including: (1) groundwater monitoring associated with CWL and 3 GW areas (TA-V, TAG and Burn Site), and has also put in a replacement well at TA-V when the old well was no longer viable, (2) institutional controls at the sites transferred to LTS, (3) monitoring, maintenance and reporting at the CAMU, (4) characterization and remediation of the Cable Debris Site, and (5) interactions with the Decontamination and Demolition Program (D&D) to make sure that the footprint of D&D'd buildings do not have remaining contaminated soil that should be remediated.
3.1-d Verify completion of EM scope of work	NNSA	9/30/09	No		Final regulatory approval documents	MWL, GW, CWL and 31 sites are at risk of not receiving final regulatory approval by 9/30/09
3.1-e Submit final CD-4A Package to EM and NNSA HQ for review and approval	DOE/SSO	8/4/06	Yes	8/15/06	Final CD-4A Package	Current CD-4A status updated in FY09 (this transmittal).
3.1-f Submit final LTS Implementation Plan to NNSA HQ for review and approval	DOE/SSO	9/30/06	Yes	9/27/06	Final LTS Implementation Plan	
3.1-h Final CD-4A Package approval	NNSA/EM	9/30/09	No		Approved Final CD-4A	Assistance from HQ required to mitigate significant risk.
<b>4.0 Items From DOE Manual 413.3-1 Chapter 7</b>						
7.5 Complete documentation for ER Project, submit final CD-4B package	DOE/SSO	FY 2009	No		Completed ER documentation – including an index	Significant risk exists of delays beyond FY 2009.
7.6 Lessons learned are prepared, distributed, and placed into permanent project records	DOE/SSO	FY 2009	No		Lessons Learned document is in ER Project records	Significant risk exists of delays beyond FY 2009.

<b>CD-4A READINESS ASSESSMENT CHECKLIST</b> (SNL Project Closeout and Transition) (modified 11/14/2008)						
<b>Sandia National Laboratories Environmental Restoration Project (PBS VL-SN-0030)</b>	<b>Assigned</b>	<b>Due Date</b>	<b>Complete? (Yes/No)</b>	<b>Date Completed</b>	<b>Evidence of Completion</b>	<b>Comment</b>
7.9 Prepare and issue a project completion report	DOE/SSO	FY 2009	No		Project Completion Report available	Significant risk exists of delays beyond FY 2009.
7.9 Startup checklist created and status to show readiness	DOE/SSO	FY 2009	No		Startup checklist indicating readiness	Checklist initiated 7/06. Significant risk exists of delays beyond FY 2009.

	= On schedule
	= Behind schedule
	= Schedule at risk
	= Complete

**Status of Solid Waste Management Units and  
Areas of Concern Investigated by SNL/NM**

**Table B-1**  
**Status of Solid Waste Management Units and Areas of Concern Investigated by SNL/NM**

Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
<b>SNL/NM Sites</b>								
1	Radioactive Waste Landfill	Rad	Excavation, disposal, and backfill	Excavation 8/96, Backfill 7/03	Requires Institutional Controls per NMED.	Residential	RCRA Permit Modification Approval, NMED	2/21/2008
2	Classified Waste Landfill	Cd, Hg, Ba	Excavation, demil, disposal, and backfill	Excavation 2/00, Backfill 11/03	Requires Institutional Controls.	Industrial	RCRA Permit Modification Approval, NMED	6/2/2006
3	Chemical Disposal Pits	None	None	NA	Co-located and managed as a part of SWMU 1. Requires institutional controls per NMED.	Residential	RCRA Permit Modification Approval, NMED	2/21/2008
4	LWDS Surface Impoundments	None	None	NA	Permit Modification in Process. May require Institutional Controls per NMED	Residential	"Appropriate for Corrective Action Complete with Controls ", NMED 2/20/2006	TBD
5	LWDS Drainfield	None	None	NA	Permit Modification in Process	Residential	"Appropriate for Corrective Action Complete w/out Controls", NMED 2/20/2006	TBD
6	Gas Cylinder Disposal Pit (Bldg. 9966)	None	Removal of buried gas cylinders, contents unknown	Apr-95	Closed	Residential	RCRA Permit Modification Approval, NMED	11/19/2001

**Table B-1**  
**Status of Solid Waste Management Units and Areas of Concern Investigated by SNL/NM**

Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
6A	Gas Cylinder Disposal Pit	None	Removal of buried gas cylinders, contents unknown	May-95	Closed	Residential	RCRA Permit Modification Approval, NMED	11/19/2001
7	Gas Cylinder Disposal Pit	None	None	NA	Transferred to KAFB 3/2000	Administrative	RCRA Permit Modification Approval, NMED	9/15/2000
8	Open Dump (Features 8Y and 58B) - Phase 1	Non-hazardous debris, metals, DU	Removal of debris, excavation of contaminated soils	Feb-04	Permit Modification in Process	Residential	"Appropriate for Corrective Action Complete w/out Controls", NMED 6/6/2005	TBD
9	Burial Site: Open Dump	Non-hazardous debris, metals, VOCs, DU, HE	Removal of debris, excavation of contaminated soils	Aug-98	Closed	Residential	RCRA Permit Modification Approval, NMED	4/6/2005
10	Burial Mounds ( N of Pendulum Site)	DU, Non-regulated vermiculite	Surface rad VCM, vermiculite removal	May-98	Closed	Residential	RCRA Permit Modification Approval, NMED	7/21/2000
11	Explosive Burial Mounds	Metals, VOCs, HE	Removal of debris and contaminated soils	Aug-96	Closed	Residential	RCRA Permit Modification Approval, NMED	9/15/2000
12A	Open Arroyo (Lurance Canyon)	None	None	NA	Closed	Confirmatory	RCRA Permit Modification Approval, NMED	9/15/2000
12B	Buried Debris in Graded Area	Metals, He, VOCs, SVOCs	Excavation, disposal, and backfill w/ culverts	Sep-97	Closed	Residential	RCRA Permit Modification Approval, NMED	7/21/2000
13	Oil Surface Impoundment	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	7/21/2000
14	Burial Site (Bldg. 9920)	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	7/21/2000

**Table B-1**  
**Status of Solid Waste Management Units and Areas of Concern Investigated by SNL/NM**

Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
15	Trash Pits (Frustration Site)	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	9/29/1997
16	Open Dumps	Asbestos, DU, Non-haz debris	Excavation and removal of rad, contaminated soil, and debris	Apr-99	Closed	Residential	RCRA Permit Modification Approval, NMED	9/15/2000
17A-H	Scrap Yards/Open Dump	DU	Surface rad VCM at 17B	Aug-95	May Require Institutional Controls per NMED	Industrial	RCRA Permit Modification Approval, NMED	7/21/2000
18	Concrete Pad	PCBs, Rad	Removal of rad anomalies and PCB soils to < 1ppb per EPA	May-01	Closed	Residential	RCRA Permit Modification Approval, NMED	4/6/2005
19	TRUPAK Boneyard Storage Area	Rad	Surface rad VCM	May-96	Closed	Residential	RCRA Permit Modification Approval, NMED	7/21/2000
20	Schoolhouse Mesa Burn Site	None	None	NA	Closed	Administrative	RCRA Permit Modification Approval, NMED	12/31/1995
21	Metal Scrap (Coyote Springs)	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	9/15/2000
22	Storage Burn (West of DEER)	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	7/21/2000
23	Disposal Trenches	None	None	NA	Transferred to KAFB 3/2000	Administrative	RCRA Permit Modification Approval, NMED	7/21/2000
25	Burial Site (South of TA-I)	None	None	NA	Closed	Administrative	RCRA Permit Modification Approval, NMED	12/31/1995

**Table B-1**  
**Status of Solid Waste Management Units and Areas of Concern Investigated by SNL/NM**

Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
26	Burial Site	DU	Surface rad VCM	1994	Closed	Residential	RCRA Permit Modification Approval, NMED	4/6/2005
27	Bldg 9820 Animal Disposal Pit	DU, Pb	Debris and contaminated soil removal	Jun-97	Closed	Residential	RCRA Permit Modification Approval, NMED	7/21/2000
28-1	Mine 28A	None	Cable net installed to prevent entrance	May-99	Closed	Administrative	RCRA Permit Modification Approval, NMED	9/29/1997
28-2	Mine 28B	As, DU	Removal of DU contaminated soil and backfilled	May-05	Permit Modification in Process	Residential	"Appropriate for Corrective Action Complete w/out Controls", NMED 1/8/2007	TBD
28-3	Mine 28C	None	Backfilled	May-99	Closed	Administrative	RCRA Permit Modification Approval, NMED	9/29/1997
28-4	Mine 28D	None	Fenced	May-99	Closed	Administrative	RCRA Permit Modification Approval, NMED	9/29/1997
28-5	Mine 28E	None	None	NA	Closed	Administrative	RCRA Permit Modification Approval, NMED	9/29/1997
28-6	Mine 28F	None	Backfilled	May-99	Closed	Administrative	RCRA Permit Modification Approval, NMED	9/29/1997
28-7	Mine 28G	None	None	NA	Closed	Administrative	RCRA Permit Modification Approval, NMED	9/29/1997
28-8	Mine 28H	None	None	NA	Closed	Administrative	RCRA Permit Modification Approval, NMED	9/29/1997
28-9	Mine 28I	None	None	NA	Closed	Administrative	RCRA Permit Modification Approval, NMED	9/29/1997



**Table B-1**  
**Status of Solid Waste Management Units and Areas of Concern Investigated by SNL/NM**

Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
28-10	Mine 28J	Pb	Slag removed, backfilled	Oct-98	Closed	Confirmatory	RCRA Permit Modification Approval, NMED	11/19/2001
30	Reclamation Yard	PCBs	Contaminated soil removal to EPA Megarule level of <1 ppb	Jun-00	Closed	Residential	RCRA Permit Modification Approval, NMED	4/6/2005
31	Transformer Oil Spill	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	11/19/2001
32	Steam Plant Oil Spill (TA-I)	None	None	NA	Closed	Administrative	RCRA Permit Modification Approval, NMED	12/31/1995
33	Motor Pool Oil Spill	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	4/6/2005
34	Centrifuge Oil Spill	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	11/19/2001
35	Vibration Facility Oil Spill	TPH	Excavation of stained soils	2000	Closed	Residential	RCRA Permit Modification Approval, NMED	4/6/2005
36	HERMES Oil Spill	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	11/19/2001
37	PROTO Oil Spill	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	11/19/2001
38	Oil Spills (BLDG 9920)	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	7/21/2000
39	Oil Spill - Solar Facility	None	None	NA	Closed	Administrative	RCRA Permit Modification Approval, NMED	9/29/1997

**Table B-1**  
**Status of Solid Waste Management Units and Areas of Concern Investigated by SNL/NM**

Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
40	Oil Spill	None	None	NA	Closed	Confirmatory	RCRA Permit Modification Approval, NMED	9/29/1997
41	Building 838 Mercury Release (TA-I)	None	None	NA	Closed	Confirmatory	RCRA Permit Modification Approval, NMED	12/31/1995
42	Building 870 Water Treatment Facility (TA-I)	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	9/15/2000
43	Radioactive Materials Storage Yard	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	9/15/2000
44	Decontamination Site and Uraniu Calibration Pits	Rad, Cr	Removal of culvert and contaminated soils	Jun-94	Closed	Residential	RCRA Permit Modification Approval, NMED	7/21/2000
45	Liquid Discharge	None	None	NA	Requires Institutional Controls per NMED	Residential	RCRA Permit Modification Approval, NMED	2/21/2008
46	Old Acid Waste Line Outfall	None	Removal of line and PCB soils	8/1/2003+E2 27	Permit Modification in Process. May require Institutional Controls per NMED	Industrial	"Appropriate for Corrective Action Complete with Controls", NMED 3/1/2006	TBD
47	Unmanned Seismic Observatory	None	None	NA	Closed	Administrative	RCRA Permit Modification Approval, NMED	12/31/1995
48	Bldg. 904 Septic System	HE, TPH, Metals	Tank closed by NMED, HE catch box remediated and closed	Aug-03	Requires Institutional Controls per NMED	Residential	RCRA Permit Modification Approval, NMED	6/2/2006

**Table B-1**  
**Status of Solid Waste Management Units and Areas of Concern Investigated by SNL/NM**

Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
49	Bldg 9820 Drains	None	None	NA	Permit Modification in Process	Residential	"Appropriate for Corrective Action Complete without Controls", NMED 9/13/2005	TBD
50	Old Centrifuge Site	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	9/15/2000
51	Bldg 6924 Pad, Tank, and Pit	None	Holding tank removed	1994	Closed	Residential	RCRA Permit Modification Approval, NMED	11/19/2001
52	LWDS Holding Tanks	None	None	NA	Permit Modification in Process. May require Institutional Controls per NMED	Residential	"Appropriate for Corrective Action Complete w/out Controls", NMED 11/2/2005	TBD
53	Bldg. 9923 Storage Igloo	None	None	NA	Closed	Administrative	RCRA Permit Modification Approval, NMED	9/29/1997
54	Pickax Site (Thunder Range)	HE	None	NA	Requires Institutional Controls due to the potential presence of unexploded HE	Industrial	RCRA Permit Modification Approval, NMED	7/21/2000
55	Red Towers Site (Thunder Range)	DU	DU contaminated soils and metal tower removed	Nov-96	Closed	Residential	RCRA Permit Modification Approval, NMED	9/15/2000
56	Old Thunderwells (Thunder Range)	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	7/21/2000

**Table B-1**  
**Status of Solid Waste Management Units and Areas of Concern Investigated by SNL/NM**

Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
57A	Workman Site: Firing Site	DU	Surface rad VCM	1994	Closed	Residential	RCRA Permit Modification Approval, NMED	9/15/2000
57B	Workman Site: Target Area	Non-hazardous debris	Debris removal	Mar-97	Closed	Residential	RCRA Permit Modification Approval, NMED	9/15/2000
58	Coyote Canyon Blast Area	DU, HE, Metals, Debris	UXO survey and removal, Surface rad VCM, Remove debris and test equipment	Mar-04	Permit Modification in Process. May require Institutional Controls per NMED	Residential	"Appropriate for Corrective Action Complete with Controls", NMED 6/19/2007	TBD
59	Pendulum Site	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	7/21/2000
60	Bunker Area	DU, Hg, Debris	Removal of bunker and soils, backfill, and revegetation	Mar-99	Closed	Residential	RCRA Permit Modification Approval, NMED	11/19/2001
61A	Schoolhouse Mesa Test Site: Blast Area	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	7/21/2000
61B	Schoolhouse Mesa Test Site: Cratering Area	None	None	NA	Transferred to KAFB 5/95	Administrative	RCRA Permit Modification Approval, NMED	12/5/1996
61C	Schoolhouse Mesa: Schoolhouse Building	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	9/15/2000
62	Greystone Manor Site	None	None	NA	Closed	Administrative	RCRA Permit Modification Approval, NMED	12/31/1995
63A	Balloon Test Area: PDSP Site	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	9/15/2000

**Table B-1**  
**Status of Solid Waste Management Units and Areas of Concern Investigated by SNL/NM**

Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
63B	Balloon Test Area: Balloon/Helicopter Site	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	7/21/2000
64	Gun Site (Madera Canyon)	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	9/15/2000
65A	Small Debris Mound	Non-Haz Debris	Removal of bunker, re-grade site	Mar-99	May require Institutional Controls per NMED	Residential	RCRA Permit Modification Approval, NMED	9/15/2000
65B	Primary Detonation Area	DU	Surface Rad VCM	Oct-96	May require Institutional Controls per NMED	Residential	RCRA Permit Modification Approval, NMED	9/15/2000
65C	Secondary Detonation Area	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	9/15/2000
65D	Near Field Dispersion Area	DU	Surface Rad VCM	Oct-96	May require Institutional Controls per NMED	Residential	RCRA Permit Modification Approval, NMED	9/15/2000
65E	Far Field Dispersion Area	None	Surface Rad VCM	Oct-96	May require Institutional Controls per NMED	Residential	RCRA Permit Modification Approval, NMED	7/21/2000
66	Boxcar Site	Non-haz scrap metal	Removal of scrap metal	1998	Closed	Residential	RCRA Permit Modification Approval, NMED	4/6/2005
67	Frustration Site	Non-Haz Debris	Debris removal	Oct-00	Closed	Confirmatory	RCRA Permit Modification Approval, NMED	11/19/2001

**Table B-1**  
**Status of Solid Waste Management Units and Areas of Concern Investigated by SNL/NM**

Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
68	Old Burn Site	Rad, Pb	Remove rad and Pb soils, regrade site	Feb-05	Permit Modification in Process. May require Institutional Controls per NMED	Residential	"Appropriate for Corrective Action Complete w/out Controls", NMED 10/26/05	TBD
69	Old Borrow Pit	None	None	NA	Closed	Administrative	RCRA Permit Modification Approval, NMED	12/31/1995
70	Explosives Test Pit (Water Towers)	Non-haz concrete	Concrete tank removed	May-97	Closed	Residential	RCRA Permit Modification Approval, NMED	9/15/2000
71	Moonlight Shot Area	DU	Surface rad VCM	1996	Closed	Residential	RCRA Permit Modification Approval, NMED	7/21/2000
72	Operation Beaver Site	None	None	NA	Closed	Confirmatory	RCRA Permit Modification Approval, NMED	7/21/2000
73	Hazardous Waste Repackaging/Storage (Building 895)	None	None	NA	Closed	Administrative	RCRA Permit Modification Approval, NMED	12/31/1995
74	Chemical Waste Landfill	Metals, VOCs, SVOCs, PCBs, Rad	Soil Vapor Extraction, Excavation and disposal of contents, backfill, and revegetation	Excavation Feb 2002, Cover completed Sep 2005	Final permit approval pending comment resolution.	Industrial	Acceptance letter for CMS. Notice of public comment for CMS, closure plan, and post-closure permit.	5/21/2007
76	Mixed Waste Landfill	Mixed and Rad	Vegetated Soil Cover w/ bio-intrusion barrier per NMED Final Order	CMI pending NMED approval on CMI Plan	Response to 3rd NOD on CMI to be submitted to NMED in early December.	Industrial	NA	NA

**Table B-1**  
**Status of Solid Waste Management Units and Areas of Concern Investigated by SNL/NM**

Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
77	Oil Surface Impoundment	None	None	NA	Closed	Administrative	RCRA Permit Modification Approval, NMED	7/21/2000
78	Gas Cylinder Disposal Pit	Debris, Metals, VOCs, SVOCs, rad	Excavation and removal of gas cylinders, thermal batteries, Li and Rb metal, Cr and Th contaminated soil, and debris.	1995	Closed		RCRA Permit Modification Approval, NMED	2/21/2008
81A	Catcher Box/Sled Track	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	11/19/2001
81B	Impact Pad	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	11/19/2001
81C	Former Burial Location	HE	Excavation and removal of rocket motors	Oct-98	Closed	Residential	RCRA Permit Modification Approval, NMED	9/15/2000
81D	Northern Cable Area	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	11/19/2001
81E	Gun Impact Area	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	11/19/2001
81F	Scrap Yard	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	11/19/2001
82	Old Aerial Cable Site Scrap	DU, HE, Non haz debris	Surface rad VCM, UXO removal, Debris removal	Oct-99	Closed	Residential	RCRA Permit Modification Approval, NMED	11/19/2001

**Table B-1**  
**Status of Solid Waste Management Units and Areas of Concern Investigated by SNL/NM**

Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
83	Long Sled Track (Active Site)	None	None	NA	Will remain on the RCRA Permit until decommissioned.	NA	ACTIVE SITE <sup>c</sup>	NA
84	Gun Facilities (Active Site)	None	None	NA	Will remain on the RCRA Permit until decommissioned.	NA	ACTIVE SITE <sup>c</sup>	NA
85	Firing Site (Bldg 9920)	DU	Surface rad VCM	Jun-96	Closed	Residential	RCRA Permit Modification Approval, NMED	7/21/2000
86	Firing Site (Bldg 9927)	Rad	Removal of rad contaminated concrete	May-96	Closed	Residential	RCRA Permit Modification Approval, NMED	11/19/2001
87	Building 9990 Firing Site	CU, Cd, Se, U, As	Surface Rad VCM, debris removal	2003	Requires Institutional Controls.	Industrial	RCRA Permit Modification Approval, NMED	6/2/2006
88A	Firing Site: Ranch House	None	None	NA	Closed	Administrative	RCRA Permit Modification Approval, NMED	12/31/1995
88B	Firing Site: Instrumentation Pole	Non-Haz debris	Removal of non-haz debris, VCM to remove fiesta ware	Jan-97	Closed	Residential	RCRA Permit Modification Approval, NMED	9/15/2000
89A-C	Shock Tube Site (Thunder Range)	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	7/21/2000
90	Beryllium Firing Site (Thunder Range)	None	None	NA	Closed	Confirmatory	RCRA Permit Modification Approval, NMED	9/15/2000



**Table B-1**  
**Status of Solid Waste Management Units and Areas of Concern Investigated by SNL/NM**

Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
91	Lead Firing Site (Thunder Range)	AS, Pb	Excavation and disposal of lead contaminated soil	Feb-05	Permit Modification in Process. Requires Institutional Controls	Industrial	"Appropriate for Corrective Action Complete with Controls:", NMED 9/13/2005	TBD
92	Pressure Vessel Test Site	None	None	NA	Closed	Administrative	RCRA Permit Modification Approval, NMED	9/29/1997
93A,B, C	Madera Canyon Rocket Launcher	None	None	NA	Closed	Confirmatory	RCRA Permit Modification Approval, NMED	7/21/2000
94A	Above Ground Tanks	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	7/21/2000
94B	Debris/Soil Mound	DU	Excavation of rad anomalies	Apr-00	Requires Institutional Controls per NMED.	Residential	RCRA Permit Modification Approval, NMED	4/6/2005
94C	Bomb Burner Discharge Line	Rad	Removal of drainline and rad soil	Apr-00	Closed	Residential	RCRA Permit Modification Approval, NMED	11/19/2001
94D	Bomb Burner Discharge Pit	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	9/15/2000
94E	Small Surface Impoundment	DU	Surface rad VCM	Oct-96	Closed	Residential	RCRA Permit Modification Approval, NMED	9/15/2000
94F	LAARC Discharge Pit	TPH, DU	Excavation and disposal of fuel contaminated soils	Apr-00	Requires Institutional Controls.	Residential	RCRA Permit Modification Approval, NMED	4/6/2005
94G	Scrap Yard	DU	Surface rad VCM	Oct-96	Closed	Residential	RCRA Permit Modification Approval, NMED	11/19/2001

**Table B-1**  
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Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
94H	Fuel Spill at Open Pool Test Area, Lurance Canyon Burn Site	TPH	Excavation and disposal of fuel contaminated soils	Jul-01	Requires Institutional Controls.	Residential	RCRA Permit Modification Approval, NMED	4/6/2005
96	TA-I Storm Drain System	None	None	NA	Requires Institutional Controls.	Residential	RCRA Permit Modification Approval, NMED	6/2/2006
98	Building 863, TCA and Photochemical Releases (also was 185 until 11/93)	As, Cd, Ag, Hg, Zn, PAHs	None	NA	Requires Institutional Controls.	Industrial	RCRA Permit Modification Approval, NMED	11/9/2005
100	Bldg 6620 Drain/Sump	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	11/19/2001
101	Explosive Contaminated Sumps, Drains (Bldg. 9926)	None	Tank decontaminated and backfilled	1996	Permit Modification in Process	Residential	"Appropriate for Corrective Action Complete without Controls", NMED 9/13/2005	TBD
102	Radioactive Disposal Area	None	Sink waste tank removal	1994	Closed	Residential	RCRA Permit Modification Approval, NMED	11/19/2001
103	Scrap Yard	DU	Surface rad VCM	Jun-96	Closed	Residential	RCRA Permit Modification Approval, NMED	7/21/2000
104	PCB Spill, Computer Facility	None	None	NA	Closed	Administrative	RCRA Permit Modification Approval, NMED	12/31/1995
105	Mercury Spill @ Bldg 6536	Hg	Removal and disposal of mercury contaminated soils	Mar-06	Permit Modification in Process. Requires Institutional Controls	Industrial	"Appropriate for Corrective Action Complete with Controls", NMED 10/26/2007	TBD
107	Explosives Test Area	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	4/6/2005

**Table B-1**  
**Status of Solid Waste Management Units and Areas of Concern Investigated by SNL/NM**

Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
108	Firing Site (BLDG 9940)	DU	Surface rad VCM	Sep-95	Closed	Residential	RCRA Permit Modification Approval, NMED	7/21/2000
109	Firing Site (BLDG 9956)	None	None	NA	Closed	Industrial	RCRA Permit Modification Approval, NMED	7/21/2000
111	Bldg 6715 Sump/Drain	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	11/19/2001
112	Explosive Contaminated Sump	None	None	NA	Closed	Confirmatory	RCRA Permit Modification Approval, NMED	9/15/2000
113	Area II Firing Sites	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	11/19/2001
114	Explosive Burn Pit (Area II)	HE, VOCs, Metals	Excavation of burn pit and removal of charred debris and discolored soils	1996	Closed	Residential	RCRA Permit Modification Approval, NMED	4/6/2005
115	Firing Site (BLDG 9030)	None	None	NA	Closed	Industrial	RCRA Permit Modification Approval, NMED	9/15/2000
116	Bldg. 9990 Septic System	None	Tank decontaminated, tank and seepage pits backfilled	1996	Permit Modification in Process	Residential	"Appropriate for Corrective Action Complete without Controls", NMED 9/13/2005	TBD
117	Trenches (BLDG 9939)	DU, Na, Non-haz debris	Surface rad VCM, removal of Na and debris	Nov-99	Closed	Residential	RCRA Permit Modification Approval, NMED	11/19/2001
135	Bldg. 906 Drain System	None	None	NA	Requires Institutional Controls.	Residential	RCRA Permit Modification Approval, NMED	6/2/2006

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Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
136	Bldg. 907 Septic System	None	Tanks pumped and decontaminated, tanks and seepage pits backfilled	Early 1996	Requires Institutional Controls.	Residential	RCRA Permit Modification Approval, NMED	6/2/2006
137	Bldg. 6540/6542 Septic System	Metals, VOCs, SVOCs, Rad	Tanks pumped and decontaminated, south tank backfilled, north tank removed.	1995	Requires Institutional Controls.	Residential	RCRA Permit Modification Approval, NMED	2/21/2008
138	Bldg. 6630 Septic System	None	Tank pumped and decontaminated, and backfilled	1995	Permit Modification in Process	Residential	"Appropriate for Corrective Action Complete without Controls", NMED 9/13/2005	TBD
139	Bldg. 9964 Septic System	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	12/31/1995
140	Bldg. 9965 Septic System (Thunder Range)	None	Tank pumped and decontaminated, tank and seepage pit backfilled	Early 1996	Permit Modification in Process	Residential	"Certificate of Completion for Corrective Action Complete", NMED 12/29/05	TBD
141	Bldg. 9967 Septic System (Thunder Range)	None	Seepage pit backfilled	2005	Closed	Residential	RCRA Permit Modification Approval, NMED	11/19/2001
142	Bldg. 9970 Septic System	None	Tank pumped and decontaminated, and tank and seepage pit backfilled	Early 1996	Closed	Residential	RCRA Permit Modification Approval, NMED	9/15/2000
143	Bldg. 9972 Septic System	None	Tank pumped and decontaminated, and backfilled	Early 1996	Closed	Residential	RCRA Permit Modification Approval, NMED	9/15/2000

**Table B-1**  
**Status of Solid Waste Management Units and Areas of Concern Investigated by SNL/NM**

Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
144	Bldg. 9980 Septic System	None	Tank pumped and decontaminated, and backfilled	Early 1996	Closed	Residential	RCRA Permit Modification Approval, NMED	9/15/2000
145	Bldgs. 9981/9982 Septic Systems	None	Tanks pumped and decontaminated, and backfilled	Early 1996	Closed	Residential	RCRA Permit Modification Approval, NMED	9/15/2000
146	Bldg 9920 Drain System	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	2/21/2008
147	Bldg 9925 Septic Systems	None	Tanks pumped and decontaminated, and backfilled	Mid 1960s (south tank), early 1996 (west and north tanks)	Permit Modification in Process	Residential	"Certificate of Completion for Corrective Action Complete", NMED 12/29/05	TBD
148	Bldg 9927 Septic System	None	Tank pumped and decontaminated, tank and seepage pit backfilled	Early 1996	Closed	Residential	RCRA Permit Modification Approval, NMED	2/21/2008
149	Bldg 9930 Septic System	None	Tank pumped and decontaminated, tank and seepage pit backfilled	Early 1996	Permit Modification in Process	Residential	"Appropriate for Corrective Action Complete without Controls", NMED 9/13/2005	TBD
150	Bldg 9939/9939A Septic Systems	None	Tank pumped and decontaminated, tank and seepage pits backfilled	Early 1996	Permit Modification in Process	Residential	"Certificate of Completion for Corrective Action Complete", NMED 12/29/05	TBD
151	Bldg 9940 Septic Systems	None	Tank pumped and decontaminated, tank and seepage pit backfilled	Early 1996	Closed	Residential	RCRA Permit Modification Approval, NMED	11/19/2001

**Table B-1**  
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Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
152	Bldg 9950 Septic System	None	Tank pumped and decontaminated, and backfilled	Early 1996	Closed	Residential	RCRA Permit Modification Approval, NMED	2/21/2008
153	Bldg 9956 Septic Systems	None	Tanks pumped and decontaminated, tanks and seepage pit backfilled	Early 1996	Closed	Residential	RCRA Permit Modification Approval, NMED	2/21/2008
154	Bldg 9960 Septic Systems	None	Tank pumped and decontaminated, tank and seepage pit backfilled	August 2005	Permit Modification in Process. Requires Institutional Controls	Industrial	"Appropriate for Corrective Action Complete with Controls", NMED 3/1/2006	TBD
155	Bldg 6597 25,000 Gallon Tank (TA-V)	None	Tank removed	May-93	Closed by NMED UST Bureau	Residential	RCRA Permit Modification Approval, NMED	5/1/1994
159	Bldg. 935 Septic System	None	Tanks pumped and decontaminated, tanks and seepage pits backfilled	Early 1996	Closed	Residential	RCRA Permit Modification Approval, NMED	6/2/2006
160	Bldg 9832 Septic System	None	Seepage pit backfilled in place	Early 1996	Closed	Residential	RCRA Permit Modification Approval, NMED	11/19/2001
161	Bldg 6636 Septic System	None	Tank pumped, decontaminated, and backfilled	Early 1996	Permit Modification in Process	Residential	"Appropriate for Corrective Action Complete without Controls", NMED 9/13/2005	TBD
165	Bldg. 901 Septic System	None	Tank pumped, decontaminated, and backfilled	Early 1996	Closed	Residential	RCRA Permit Modification Approval, NMED	6/2/2006
166	Bldg. 919 Septic System	None	Tank pumped, decontaminated, tank and seepage pit backfilled	Early 1996	Closed	Residential	RCRA Permit Modification Approval, NMED	6/2/2006

**Table B-1**  
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Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
167	Bldg. 940 Septic System	None	Tank pumped and decontaminated, tank and seepage pit backfilled	Early 1996	Closed	Residential	RCRA Permit Modification Approval, NMED	6/2/2006
168	Bldg 901 UST (TA-II)	None	Tank removed	Jun-90	Closed by NMED UST Bureau 10/1995	Administrative	RCRA Permit Modification Approval, NMED	5/1/1994
169	Bldg 910 UST (TA-II)	None	Tank removed	Jun-90	Closed by NMED UST Bureau 10/1995	Administrative	RCRA Permit Modification Approval, NMED	5/1/1994
170	Bldg 911 UST (TA-II)	None	Tank removed	Jun-90	Closed by NMED UST Bureau 10/1995	Administrative	RCRA Permit Modification Approval, NMED	5/1/1994
171	Bldg 912 UST (TA-II)	None	Tank removed	Jun-90	Closed by NMED UST Bureau 10/1995	Administrative	RCRA Permit Modification Approval, NMED	5/1/1994
172	Bldg 888 UST (TA-I)	None	None	NA	Closed by NMED UST Bureau 10/1995	Administrative	RCRA Permit Modification Approval, NMED	5/1/1994
173	Bldg 6525 UST (TA-III)	TPH	Tank and soil removed	Jun-90	Closed by NMED UST Bureau 10/1995	Administrative	RCRA Permit Modification Approval, NMED	5/1/1994
174	Bldg 6581 UST (TA-IV)	None	Tank removed	May-90	Closed by NMED UST Bureau 10/1995	Administrative	RCRA Permit Modification Approval, NMED	5/1/1994
175	Bldg 6588 UST (TA-IV)	None	Tank removed	Sep-90	Closed by NMED UST Bureau 10/1995	Administrative	RCRA Permit Modification Approval, NMED	5/1/1994
176	Bldg 605 UST (TA-I)	None	Tank removed	Nov-91	Closed by NMED UST Bureau 10/1995	Administrative	RCRA Permit Modification Approval, NMED	5/1/1994
178	Bldg 6587 UST (TA-III)	None	Tank removed	Nov-90	Closed by NMED UST Bureau 10/1995	Administrative	RCRA Permit Modification Approval, NMED	5/1/1994

**Table B-1**  
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Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
179	Bldg 7570 UST	None	Tank removed	Oct-90	Closed by EPA May 1994	Administrative	RCRA Permit Modification Approval, NMED	5/1/1994
180	Bldg 6503 UST (TA-III)	TPH	Tank and soil removed	Jan-91	Closed by NMED UST Bureau 10/1995	Administrative	RCRA Permit Modification Approval, NMED	5/1/1994
181	Bldg 6500 UST (TA-V)	None	Tank removed	Jan-91	Closed by NMED UST Bureau 10/1995	Administrative	RCRA Permit Modification Approval, NMED	5/1/1994
186	Building 859 TCE Disposal	None	None	NA	Closed by NMED UST Bureau 10/1995	Confirmatory	RCRA Permit Modification Approval, NMED	9/15/2000
187	TA-I Sanitary Sewer Lines	None	None	NA	Requires Institutional Controls per NMED.	Residential	RCRA Permit Modification Approval, NMED	6/2/2006
188	Bldg 6597 Aboveground Spill Containment	None	None	NA	Closed	Administrative	RCRA Permit Modification Approval, NMED	12/31/1995
190	Steam Plant Tank Farm	TPH	Bio-venting system plugged and abandoned	May-05	Requires Institutional Controls.	Industrial	RCRA Permit Modification Approval, NMED	6/2/2006
191	Equus Red	DU	Surface rad VCM	Jun-95	Closed	Confirmatory	RCRA Permit Modification Approval, NMED	11/19/2001
192	TA-I Waste Oil Tank	None	None	NA	Closed	Confirmatory	RCRA Permit Modification Approval, NMED	7/21/2000
193	Sabotage Test Area	DU	Rad VCM	Jun-96	Closed	Residential	RCRA Permit Modification Approval, NMED	7/21/2000
194	Gen. Purpose Heat Source Test Area	None	None	NA	Closed	Administrative	RCRA Permit Modification Approval, NMED	9/29/1997



**Table B-1**  
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Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
195	Experimental Test Pit	None	None	NA	Closed	Administrative	RCRA Permit Modification Approval, NMED	11/9/05
196	TA-V Cistern Bldg 6597	None	Cistern backfilled	Sep-05	Permit Modification in Process. May require Institutional Controls per NMED	Residential	"Appropriate for Corrective Action Complete with Controls", NMED 2/20/2006	TBD
211	Building 840 Former UST	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	9/15/2000
226	TA-I Former Acid Waste Line	None	None	NA	Requires Institutional Controls per NMED.	Residential	RCRA Permit Modification Approval, NMED	6/2/2006
227	Bunker 904 Outfall	None	None	NA	Requires Institutional Controls.	Residential	RCRA Permit Modification Approval, NMED	6/2/2006
228A	Centrifuge Dump Site	DU, Pb, Asbestos, Construction and test debris	Removal of waste and debris, contouring and seeding site	Jul-99	Closed	Residential	RCRA Permit Modification Approval, NMED	9/15/2000
228B	Centrifuge Dump Site	Asbestos, Construction debris	Removal of waste and debris, contouring and seeding site	May-00	Closed	Residential	RCRA Permit Modification Approval, NMED	11/19/2001
229	Storm Drain System Outfall	None	None	NA	Requires Institutional Controls per NMED.	Residential	RCRA Permit Modification Approval, NMED	6/2/2006

**Table B-1**  
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Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
230	Storm Drain System Outfall	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	4/6/2005
231	Storm Drain System Outfall	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	4/6/2005
232	Storm Drain System Outfall	TPH	Removal of oil contaminated soil	1994	Closed	Residential	RCRA Permit Modification Approval, NMED	4/6/2005
233	Storm Drain System Outfall	None	None	NA	Permit Modification in Process	Residential	"Appropriate for Corrective Action Complete without Controls", NMED 11/2/2005	TBD
234	Storm Drain System Outfall	None	None	NA	Permit Modification in Process. May require Institutional Controls per NMED	Residential	"Appropriate for Corrective Action Complete with Controls", NMED 11/2/2005	TBD
235	Storm Drain System Outfall	None	None	NA	Closed	Industrial	RCRA Permit Modification Approval, NMED	9/15/2000
240	Short Sled Track (Active Site)	None	None	NA	Will remain on the RCRA Permit until decommissioned.	NA	ACTIVE SITE <sup>c</sup>	NA
241	TA-V Storage Yard	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	4/6/2005

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Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
275	TA-V Seepage Pits	None	Tanks pumped, decontaminated, and tanks and seepage pits backfilled	Aug-05	Closed	Residential	RCRA Permit Modification Approval, NMED	7/21/2000
276	Former Bldg. 829X, Silver Recovery Sump (TA-I)	Ag	Removal of sump (culvert) and aggregate	Sep-99	Closed	Residential	RCRA Permit Modification Approval, NMED, NMED	2/21/2008
277	New Firing Site East of Optical Range	Non-regulated debris	Removal of non-regulated debris	Sep-99	Closed	Residential	RCRA Permit Modification Approval, NMED	11/19/2001
278	Building 828 (TA-I)	None	None	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	4/6/2005
TNT	TNT Site	HE	On site detonation of buried TNT	Jul-00	Requires Institutional Controls due to the potential presence of unexploded HE	Industrial	RCRA Permit Modification Approval, NMED	4/6/2005
1001	Bldg. 898 Septic System (TA-I)	None	Tank Removed	Oct-04	Closed	Residential	RCRA Permit Modification Approval, NMED	11/9/2005
1003	Former Bldg. 915/922 Septic System (TA-II)	None	Tank pumped, decontaminated, and tank and seepage pits backfilled	Oct-04	Closed	Residential	RCRA Permit Modification Approval, NMED	11/9/2005
1004	Bldg. 6969 Septic System (Robotic Vehicle Range)	None	Still active	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	2/21/2008
1006	Bldg. 6741 Septic System (TA-III)	None	Tank pumped, decontaminated, backfilled	Jul-05	Closed	Residential	RCRA Permit Modification Approval, NMED	6/2/2006

**Table B-1**  
**Status of Solid Waste Management Units and Areas of Concern Investigated by SNL/NM**

Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
1007	Bldg. 6730 Septic System (TA-III)	None	Tank pumped, decontaminated, backfilled	Jul-05	Closed	Residential	RCRA Permit Modification Approval, NMED	6/2/2006
1008	Bldg. 6750 Septic System (TA-III)	None	Tank pumped, decontaminated, and backfilled	Aug-05	Closed	Residential	RCRA Permit Modification Approval, NMED	11/9/2005
1009	Bldg. 6620 Internal Sump (TA-III)	None	Internal sump beneath Bldg. 6620 abandoned and capped	pre-ER	Closed	Residential	RCRA Permit Modification Approval, NMED	11/9/2005
1010	Bldg. 6536 Septic System and Seepage Pit (TA-III)	None	Tank pumped, decontaminated, and tank and seepage pits backfilled	Sep-05	Closed	Residential	RCRA Permit Modification Approval, NMED	6/2/2006
1014	Former T-12, T-42, and T-43 Septic System (TA-V)	None	Demolished	1997	Closed	Residential	RCRA Permit Modification Approval, NMED	11/9/2005
1015	Former MO 231-234 Septic System (TA-V)	None	Demolished	1997	Closed	Residential	RCRA Permit Modification Approval, NMED	6/2/2006
1020	MO-146/MO-235 and T-40 Septic System (TA-III)	None	Tank pumped, decontaminated, and backfilled	Jul-05	Closed	Residential	RCRA Permit Modification Approval, NMED	6/2/2006
1024	MO 242-245 Septic System (TA-III)	None	Tank pumped, decontaminated, backfilled	Aug-05	Closed	Residential	RCRA Permit Modification Approval, NMED	6/2/2006
1025	Bldg. 6501 East Septic System (TA-III)	None	Tank pumped, decontaminated, and tank and seepage pit backfilled	Aug-05	Closed	Residential	RCRA Permit Modification Approval, NMED	11/9/2005

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Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
1026	Bldg. 6501 West Septic System (TA-III)	None	Tank pumped, decontaminated, and tank and seepage pit backfilled	Aug-05	Closed	Residential	RCRA Permit Modification Approval, NMED	11/9/2005
1027	Bldg. 6530 Septic System (TA-III)	None	Tank pumped, decontaminated, and tank and seepage pits backfilled	Sep-05	Closed	Residential	RCRA Permit Modification Approval, NMED	11/9/2005
1028	Bldg. 6560 Septic System and Seepage Pit (TA-III)	None	Tank pumped, decontaminated, and tank and seepage pits backfilled	Sep-05	Closed	Residential	RCRA Permit Modification Approval, NMED	6/2/2006
1029	Bldg. 6584 North Septic System (TA-III)	Phenanthrene, As, SVOCs	Tank pumped, decontaminated, and backfilled in place	2002	Requires Institutional Controls.	Industrial	RCRA Permit Modification Approval, NMED	6/2/2006
1030	Bldg. 6587 Septic System (TA-III)	None	Tank pumped, decontaminated, and tank and seepage pits backfilled	Aug-05	Closed	Residential	RCRA Permit Modification Approval, NMED	11/9/2005
1031	Former Bldgs. 6589 and 6600 Septic System (TA-III)	None	Tank pumped, decontaminated, and tank and seepage pits backfilled in place, or possibly removed	2002	Closed	Residential	RCRA Permit Modification Approval, NMED	2/21/2008
1032	Bldg. 6610 Septic System (TA-III)	None	Tanks pumped, decontaminated, and tank and seepage pit backfilled	Sep-05	Closed	Residential	RCRA Permit Modification Approval, NMED	11/9/2005

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Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
1033	Bldg. 6631 Septic System (TA-III)	None	Tank pumped, decontaminated, and backfilled	Oct-04	Closed	Residential	RCRA Permit Modification Approval, NMED	11/9/2005
1034	Bldg. 6710 Septic System (TA-III)	None	Tank pumped, decontaminated, and tank and seepage pit backfilled	Aug-05	Closed	Residential	RCRA Permit Modification Approval, NMED	2/21/2008
1035	Bldg. 6715 Septic System (TA-III)	None	Tank pumped, decontaminated, and tank and seepage pit backfilled	Jul-05	Closed	Residential	RCRA Permit Modification Approval, NMED	2/21/2008
1036	Bldg. 6922 Septic System (TA-III)	None	Tank pumped, decontaminated, backfilled	Aug-05	Closed	Residential	RCRA Permit Modification Approval, NMED	2/21/2008
1052	Bldg. 803 Seepage Pit (TA-I)	None	Seepage pit backfilled	Oct-04	Closed	Residential	RCRA Permit Modification Approval, NMED	2/21/2008
1072	T-52 and Former Bldg. 6500 Septic System (TA-V)	None	Tank pumped, decontaminated, and tank and seepage pit backfilled	Sep-05	Closed	Residential	RCRA Permit Modification Approval, NMED	11/9/2005
1073	Bldg. 6580 Seepage Pit (TA-V)	None	Seepage pit backfilled	September 2005	Closed	Residential	RCRA Permit Modification Approval, NMED	11/9/2005
1077	Bldg. 6920 Septic System (TA-III)	None	Tank either never used, or pumped and backfilled or removed	1991	Closed	Residential	RCRA Permit Modification Approval, NMED	11/9/2005
1078	Bldg. 6640 Septic System (TA-III)	None	Tank pumped, decontaminated, and backfilled	1991	Closed	Residential	RCRA Permit Modification Approval, NMED	2/21/2008

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1079	Bldg. 6643 Septic System (TA-III)	None	Tank pumped, decontaminated, and backfilled	Aug-05	Closed	Residential	RCRA Permit Modification Approval, NMED	2/21/2008
1080	Bldg. 6644 Septic System (TA-III)	None	Tank pumped, decontaminated, and backfilled	Oct-04	Closed	Residential	RCRA Permit Modification Approval, NMED	2/21/2008
1081	Bldg. 6650 Septic System (TA-III)	Ag, As	Tanks pumped, decontaminated, and tanks and seepage pits backfilled	Aug-05	Requires Institutional Controls.	Industrial	RCRA Permit Modification Approval, NMED	2/21/2008
1082	Bldg. 6620 Septic System (TA-III)	None	Tank pumped, decontaminated, and tank and seepage pit backfilled	Sep-05	Closed	Residential	RCRA Permit Modification Approval, NMED	2/21/2008
1083	Bldg. 6570 Septic System (TA-III)	None	Tank pumped and Backfilled in place	Pre-ER	Closed	Residential	RCRA Permit Modification Approval, NMED	6/2/2006
1084	Bldg. 6505 Septic System (TA-III)	None	Tank Backfilled in place, parking lot built over it	pre-ER	Closed	Residential	RCRA Permit Modification Approval, NMED	2/21/2008
1086	Bldg. 6523 Septic System (TA-III)	None	Tank and seepage pit backfilled	pre-ER	Closed	Residential	RCRA Permit Modification Approval, NMED	6/2/2006
1087	Bldg. 6743 Seepage Pit (TA-III)	None	Seepage pit backfilled	Jul-05	Closed	Residential	RCRA Permit Modification Approval, NMED	2/21/2008
1089	Bldg. 6734 Seepage Pit (TA-III)	None	Seepage pit Backfilled in place	Jul-05	Closed	Residential	RCRA Permit Modification Approval, NMED	11/9/2005

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1090	Bldg. 6721 Septic System (TA-III)	None	Tank backfilled in place or removed	pre-ER	Permit Modification in Process. May require Institutional Controls per NMED	Residential	"Industrial land-use controls will be required" 5/5/2005	TBD
1091	Bldg. 6720 Septic System (TA-III)	None	Septic system never constructed, does not exist	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	11/9/2005
1092	MO 228-230 Septic System (TA-III)	None	Tank pumped and backfilled	pre-ER	Closed	Residential	RCRA Permit Modification Approval, NMED	2/21/2008
1093	Bldg. 6584 West Septic System (TA-III)	None	Tank pumped and backfilled, or removed	2002	Closed	Residential	RCRA Permit Modification Approval, NMED	11/9/2005
1094	Live Fire Range East Septic System (Lurance Canyon)	None	Still active	NA	Permit Modification in Process	Residential	"Certificate of Completion for Corrective Action Complete", NMED 12/29/05	TBD
1095	Bldg. 9938 Seepage Pit (Coyote Test Field)	None	Seepage pit backfilled	Aug-05	Permit Modification in Process	Residential	"Certificate of Completion for Corrective Action Complete", NMED 12/29/05	TBD
1096	Bldg. 6583 Septic System (TA-III)	None	Tank pumped, decontaminated, and backfilled	Jul-05	Closed	Residential	RCRA Permit Modification Approval, NMED	11/9/2005
1098	TA-V Plenum Rooms Drywell (TA-V)	None	Determined to be a drywell-no backfilling required	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	2/21/2008



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1101	Bldg. 885 Septic System (TA-I)	None	Trenched to verify that system had been removed, parking lot repaired	Mar-06	Permit Modification in Process	Residential	"Appropriate for Corrective Action Complete w/out Controls", NMED 11/15/2006	TBD
1102	Former Bldg. 889 Septic System (TA-I)	None	Tank and seepage pit backfilled	pre-ER	Closed	Residential	RCRA Permit Modification Approval, NMED	2/21/2008
1104	Bldg. 6595 Seepage Pit (TA-V)	None	Seepage pit Backfilled	Sep-05	Closed	Residential	RCRA Permit Modification Approval, NMED	2/21/2008
1105	Bldg. 6596 Drywell (TA-V)	None	Determined to be a drywell-no backfilled required	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	11/9/2005
1108	Building 6531 Seepage Pits (TA-III)	None	Seepage pits backfilled	Oct 1004	Closed	Residential	RCRA Permit Modification Approval, NMED	6/2/2006
1110	Bldg. 6536 Drain System (TA-III)	None	Horizontal drain pipe demolished by non-ER personnel during construction at site	2005	Closed	Residential	RCRA Permit Modification Approval, NMED	6/2/2006
1111	Bldg 6720 Seepage Pit (TA-III)	None	Seepage pit determined to be a drywell-no backfilling required	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	11/9/2005
1112	Bldg. 6590 Reactor Sump Drywell (TA-V)	None	Drywell-no backfilling required	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	11/9/2005
1113	Bldg 6597 Drywell (TA-V)	None	Drywell-no backfilling required	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	2/21/2008

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**Status of Solid Waste Management Units and Areas of Concern Investigated by SNL/NM**

Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
1114	Bldg. 9978 Drywell (Coyote Test Field)	None	Drywell-no backfilling required	NA	Permit Modification in Process	Residential	"Certificate of Completion for Corrective Action Complete", NMED 12/29/05	TBD
1115	Former Offices Septic System (Solar Tower Complex)	None	Tank pumped, decontaminated, backfilled	Aug-05	Permit Modification in Process	Residential	"Certificate of Completion for Corrective Action Complete", NMED 12/29/05	TBD
1116	Bldg. 9981A Seepage Pit (Solar Tower Complex)	None	Unit still in use	NA	Permit Modification in Process	Residential	"Certificate of Completion for Corrective Action Complete", NMED 12/29/05	TBD
1117	Bldg. 9982 Drywell (Solar Tower Complex)	None	Drywell-no backfilling required	NA	Permit Modification in Process	Residential	"Certificate of Completion for Corrective Action Complete", NMED 12/29/05	TBD
1120	Bldg. 6643 Drywell (TA-III)	None	Drywell-no backfilling required	NA	Closed	Residential	RCRA Permit Modification Approval, NMED	2/21/2008

**Table B-1**  
**Status of Solid Waste Management Units and Areas of Concern Investigated by SNL/NM**

Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
<b>SNL/CA Sites</b>								
1	Fuel Oil Spill (HWSA SWMU, IRM, Landfarm)	TPH	In-situ bioremediation	Approved to dis-continue bio-remediation 7/1/1999	GW Monitoring ongoing at one well, TPH levels well below MCLs.	Confirmatory	Closed by letter from CA RWQCB	7/1/1999
2	Misc Site & HWSA SWMU, Arroyo Seco	NA	NA	NA	Closed by CA RWQCB 1992	Administrative	CA EPA Hazardous Waste Facility Permit EPA ID # CA 2890012923	1/4/1993
3	Navy Landfill (NLF) Site	Nonhazardous solid waste	Remove or cover exposed debris and perform erosion control	11/1/1997 - Erosion Control Plan	Erosion monitoring and reporting performed by SNL CA storm water program	Confirmatory	CA EPA Hazardous Waste Facility Permit EPA ID # CA 2890012923	1/4/1993
4	Misc Site & HWSA SWMU, Former Trash Dump	NA	NA	NA	Closed by CA RWQCB 1992	Administrative	CA EPA Hazardous Waste Facility Permit EPA ID # CA 2890012923	1/4/1993
5	Misc Site & HWSA SWMU, (old) Fire Extinguisher Training Area	NA	NA	NA	Closed by CA RWQCB 1992	Administrative	CA EPA Hazardous Waste Facility Permit EPA ID # CA 2890012923	1/4/1993
6	HWSA SWMU, Explosive Testing Area	NA	NA	NA	Closed by CA RWQCB 1992	Administrative	CA EPA Hazardous Waste Facility Permit EPA ID # CA 2890012923	1/4/1993

**Table B-1**  
**Status of Solid Waste Management Units and Areas of Concern Investigated by SNL/NM**

Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
7	Misc Site & HSWA SWMU, Bldg 918/961 Decon/Storage Area	NA	NA	NA	Closed by CA RWQCB 1992	Administrative	CA EPA Hazardous Waste Facility Permit EPA ID # CA 2890012923	1/4/1993
8	Misc Site & HSWA SWMU, Burn Pit	NA	NA	NA	Closed by CA RWQCB 1992	Administrative	CA EPA Hazardous Waste Facility Permit EPA ID # CA 2890012923	1/4/1993
9	HSWA SWMU, Monitor Pits & Tank	NA	NA	NA	Closed by CA EPA1993	Administrative	CA EPA Hazardous Waste Facility Permit EPA ID # CA 2890012923	1/4/1993
10	HWSA SWMU, Bldg. 913	Very low-level rad	Sump plugged and sealed	Sump Closure Plan 8/26/1996	Closed by CA EPA1993	Administrative	CA EPA Hazardous Waste Facility Permit EPA ID # CA 2890012923	1/4/1993
11	HWSA SWMU, Bldg. 916	NA	NA	NA	Closed by CA EPA1993	Administrative	CA EPA Hazardous Waste Facility Permit EPA ID # CA 2890012923	1/4/1993
12	HWSA SWMU, Bldg. 963	NA	NA	NA	Closed by CA EPA1993	Administrative	CA EPA Hazardous Waste Facility Permit EPA ID # CA 2890012923	1/4/1993
13	HSWA SWMU, Tritium Research Laboratory -- Bldg. 968	NA	NA	NA	Closed by CA EPA1993	Administrative	CA EPA Hazardous Waste Facility Permit EPA ID # CA 2890012923	1/4/1993

**Table B-1**  
**Status of Solid Waste Management Units and Areas of Concern Investigated by SNL/NM**

Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
14	HSWA SWMU, Navy Public Work Yard	NA	NA	NA	Closed by CA EPA1993	Administrative	CA EPA Hazardous Waste Facility Permit EPA ID # CA 2890012923	1/4/1993
15	HSWA SWMU, Navy Supply Dept. Tank & Drum Storage Area	NA	NA	NA	Closed by CA EPA1993	Administrative	CA EPA Hazardous Waste Facility Permit EPA ID # CA 2890012923	1/4/1993
16	HSWA SWMU, Sewer System	NA	NA	NA	Closed by CA EPA1993	Administrative	CA EPA Hazardous Waste Facility Permit EPA ID # CA 2890012923	1/4/1993
17	HSWA SWMU, Gasoline Storage and Dispensing Facilities'	NA	NA	NA	Closed by CA EPA1993	Administrative	CA EPA Hazardous Waste Facility Permit EPA ID # CA 2890012923	1/4/1993
18	HSWA SWMU, Incinerator Fuel Tank	NA	NA	NA	Closed by CA EPA1993	Administrative	CA EPA Hazardous Waste Facility Permit EPA ID # CA 2890012923	1/4/1993
19	HSWA SWMU, BAYCO Reclamation Furnace	NA	NA	NA	Closed by CA EPA1993	Administrative	CA EPA Hazardous Waste Facility Permit EPA ID # CA 2890012923	1/4/1993
20	HSWA SWMU, Cooling Towers	NA	NA	NA	Closed by CA EPA1993	Administrative	CA EPA Hazardous Waste Facility Permit EPA ID # CA 2890012923	1/4/1993

**Table B-1**  
**Status of Solid Waste Management Units and Areas of Concern Investigated by SNL/NM**

Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
21	Trudell Auto Repair Service Station,	TPH, Metals	Waste oil tank and soil removal	1989	Closed by CA RWQCB 1992	Confirmatory	CA EPA Hazardous Waste Facility Permit EPA ID # CA 2890012923	1/4/1993
22	HSWA SWMU, Hazardous Waste Storage Area	NA	NA	NA	Closed by CA EPA1993	Administrative	CA EPA Hazardous Waste Facility Permit EPA ID # CA 2890012923	1/4/1993
23	HSWA SWMU, Pesticide Storage Area - Bldg 962	NA	NA	NA	Closed by CA EPA1993	Administrative	CA EPA Hazardous Waste Facility Permit EPA ID # CA 2890012923	1/4/1993

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Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
<b>SNL Kauai Test Facility Sites</b>								
132	Photo Lab Discharge	NA	NA	NA	Closed by EPA	Confirmatory	<i>Final closure ("Site Evaluation Accomplished") letter from U.S. EPA Region IX, Kauai Test Facility EPA ID Number HID984469908,</i>	9/30/1996
133	Drum Rack Area	NA	NA	NA	Closed by EPA	Confirmatory	<i>Final closure ("Site Evaluation Accomplished") letter from U.S. EPA Region IX, Kauai Test Facility EPA ID Number HID984469908,</i>	9/30/1996

**Table B-1**  
**Status of Solid Waste Management Units and Areas of Concern Investigated by SNL/NM**

Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
163	Rocket Launcher Pads	NA	NA	NA	Closed by EPA	Confirmatory	<i>Final closure ("Site Evaluation Accomplished") letter from U.S. EPA Region IX, Kauai Test Facility EPA ID Number HID984469908,</i>	9/30/1996
224	Bldg. 666A and 666b UST	NA	Tank removal	1989	Closed by EPA	Confirmatory	<i>Final closure ("Site Evaluation Accomplished") letter from U.S. EPA Region IX, Kauai Test Facility EPA ID Number HID984469908,</i>	9/30/1996
<b>SNL Off-site Areas</b>								
156	Pagano Salvage Yard	PCBs	Soil removal	Pre-1990	Closed by EPA	Residential	U.S. EPA <i>Record of Decision (ROD) Abstract – Site: Pagano Salvage, EPA ID Number NMD980749980</i>	1/18/1999



**Table B-1**  
**Status of Solid Waste Management Units and Areas of Concern Investigated by SNL/NM**

Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
157	Salton Sea Test Base	None	None	NA	Navy Responsibility; closed under BRAC	Administrative	Jackson, J. (DOE/KAO) letter to SNL/NM ER Project: <i>Sandia Environmental Restoration Miscellaneous Offsite Report</i>	3/20/1997
164	Edgewood Test Site	NA	11 boreholes P&A	Sept. 1994	Not regulated under CERCLA or RCRA	Administrative	Carlson, K. (DOE/KAO) letter to B. Garcia (NMED), cc with enclosure to W. Honker, EPA Region VI, T. Trujillo, AL-ERD, J. Johnsen, KAO-AIP	3/15/1995
177	UST 882-1 at Holloman AFB, NM	TPH	Tank removal	Oct. 1990	No residual contamination detected	Confirmatory	Jackson, J. (DOE/KAO) letter to SNL/NM ER Project: <i>Sandia Environmental Restoration Miscellaneous Offsite Report</i>	3/20/1997
182	White Sands Missile Range Test Areas (WSMR)	DU, HE	Army has remediated impact sites; one DU penetrator remains buried	NA	Army Responsibility, WSMR still in operation	Administrative	Jackson, J. (DOE/KAO) letter to SNL/NM ER Project: <i>Sandia Environmental Restoration Miscellaneous Offsite Report</i>	3/20/1997

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Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
183	LUST Cape Canaveral Old Tank	Unknown	Tank and soil removal	Nov. 1985	April 1993); USAF acknowledged ownership in November 1993	Administrative	Jackson, J. (DOE/KAO) letter to SNL/NM ER Project: <i>Sandia Environmental Restoration Miscellaneous Offsite Report</i>	3/20/1997
184	Holloman AFB Bldg. 882-1 Septic System	None	None	NA	Site transfer to USAF was expected in 8/1994; no record available	Administrative	Jackson, J. (DOE/KAO) letter to SNL/NM ER Project: <i>Sandia Environmental Restoration Miscellaneous Offsite Report</i>	3/20/1997
199	AEC Storage Facility/Fort Hood Texas	None	None	NA	Army Responsibility	Administrative	Zamorski, M. (DOE/KAO) letter to Blejwas J. (SNL Environmental Operations Center)	9/29/1995
200	AEC Storage Facility/Fort Campbell, KY	None	None	NA	Army Responsibility	Administrative	Zamorski, M.J. (DOE/KAO) letter to Rice, J. K. (SNL Environmental Information & Technology Center)	3/4/1997

**Table B-1**  
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Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
201	AEC Storage Facility/Barksdale AFB, LA	None	None	NA	Air Force Responsibility	Administrative	Zamorski, M. (DOE/KAO) letter to Blejwas J. (SNL Environmental Operations Center)	9/29/1995
202	AEC Storage Facility/Loring AFB, ME	None	None	NA	Air Force Responsibility	Administrative	Jackson, J. (DOE/KAO) letter to SNL/NM ER Project: <i>Sandia Environmental Restoration Miscellaneous Offsite Report</i>	3/20/1997
203	AEC Storage Facility/Ellsworth AFB, SD	None	None	NA	Air Force Responsibility	Administrative	Zamorski, M. (DOE/KAO) letter to Blejwas J. (SNL Environmental Operations Center)	9/29/1995
204	AEC Storage Facility/Fairchild AFB, WA	None	None	NA	Air Force Responsibility	Administrative	Zamorski, M.J. (DOE/KAO) letter to Rice, J. K. (SNL Environmental Information & Technology Center)	3/4/1997

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Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
205	AEC Storage Facility/Travis AFB, CA	None	None	NA	Air Force Responsibility	Administrative	Zamorski, M.J. (DOE/KAO) letter to Rice, J. K. (SNL Environmental Information & Technology Center)	3/4/1997
206	AEC Storage Facility/Westover AFB, MA	None	None	NA	WSA declared excess; environmental studies conducted by Army Corp. of Engineers	Administrative	Zamorski, M. (DOE/KAO) letter to Blejwas J. (SNL Environmental Operations Center)	9/29/1995
207	AEC Storage Facility/Yorktown Naval Weapons Station, VA	None	None	NA	Navy Responsibility	Administrative	Zamorski, M. (DOE/KAO) letter to Blejwas J. (SNL Environmental Operations Center)	9/29/1995
208	AEC Storage Facility/Lackland AFB, TX	None	None	NA	Air Force Responsibility	Administrative	Zamorski, M. (DOE/KAO) letter to Blejwas J. (SNL Environmental Operations Center)	9/29/1995
209	AEC Storage Facility/Nellis AFB, NV	None	None	NA	Air Force Responsibility	Administrative	Zamorski, M. (DOE/KAO) letter to Blejwas J. (SNL Environmental Operations Center)	9/29/1995

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Site #	Site Name	COCs or Risk Drivers	Remedial Action	Remedial Action Completion Date	Status	NFA Type or Risk Level	Regulatory Document <sup>a</sup>	Regulatory Completion Date
210	AEC Storage Facility/Seneca Army Depot, NY	None	None	NA	Army Responsibility	Administrative	Zamorski, M.J. (DOE/KAO) letter to Rice, J. K. (SNL Environmental Information & Technology Center)	3/4/1997
243	Los Lunas Bombing Range, NM	None	None	NA	Inert testing conducted, no environmental concerns	Administrative	Zamorski, M.J. (DOE/KAO) letter to Rice, J. K. (SNL Environmental Information & Technology Center)	3/4/1997

<sup>a</sup> "RCRA Permit Modification Approval NMED" indicates final decision.

**Regulatory Status of 268 Environmental  
Restoration Soil Sites and  
Three Groundwater Areas at SNL/NM**

Table 1  
Regulatory Status of 268 Environmental Restoration Soil Sites\* and Three Groundwater Areas at SNL/NM (As of November 2008)

Status		November 2007		Sites/Areas	
BSGW CME Workplan in NMED Review, Received NOD on CCM for TAG and CME Report for TA-V		3 Areas		TAG, TA-V, BSGW	
Deferred active mission sites not scheduled for remediation		3 SWMUs		83, 84, 240	
Sites not going through NFA/CAC Process		1 SWMU		74 (Chemical Waste Landfill subject to a Closure Plan; Final permit approval pending comment resolution)	
NFA/CAC document not yet submitted to NMED		0 SWMUs		NA	
		0 AOCs		NA	
SNL/NM Submitted NFA/CAC Proposal	Awaiting Initial NMED Response	0 SWMUs		NA	
		0 AOCs		NA	
	Received Request for Supplemental Information: SNL/NM Action Required	1 SWMUs		76 (Mixed Waste Landfill CMI Plan submitted – responding to 3 <sup>rd</sup> NOD on CMI Plan; CMI Report due 180 days after fieldwork complete)	
		0 AOCs		NA	
	Received and Answered Request for Supplemental Information: NMED Action Required	0 SWMUs		NA	
		0 AOCs		NA	
SNL/NM Submitted NFA/CAC Proposal; Received NMED Acceptance Letter		23 SWMUs		4, 5, 8, 28-2, 46, 49, 52, 58, 68, 91, 101, 105,116, 138, 140, 147, 149, 150, 154, 161, 196, 233, 234	
		8 AOCs		1090, 1094, 1095, 1101, 1114, 1115, 1116, 1117	
Class III Permit Modification Process Complete (Permit Modification Approved by NMED)		<u>SWMUs</u> <u>3 Transferred to KAFB</u>		7, 23, 61B	
		<u>SWMUs</u> 18 With Controls		1, 2, 3, 45, 48, 54, 87, 94B, 94F, 96, 98, 135, 136, 137, 190, 226, 227, 229	
		<u>AOCs</u> 4 With Controls		94H, 1029, 1081, TNT Site	
		<u>SWMUs</u> 154 Without Controls		6, 6A, 9, 10, 11, 12A, 12B, 13, 14, 15, 16, 17A-H, 18, 19, 20, 21, 22, 25, 26, 27, 28-1, 28-3, 28-4, 28-5, 28-6, 28-7, 28-8, 28-9, 28-10, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 47, 50, 51, 53, 55, 56, 57A, 57B, 59, 60, 61A, 61C, 62, 63A, 63B, 64, 65A, 65B, 65C, 65D, 65E, 66, 67, 69, 70, 71, 72, 73, 77, 78, 81A, 81B, 81C, 81D, 81E, 81F, 82, 85, 86, 88A, 88B, 89A-C, 90, 92, 93A-C, 94A, 94C, 94D, 94E, 94G, 100, 102, 103, 104, 107, 108, 109, 111, 112, 113, 114, 115, 117, 139, 141, 142, 143, 144, 145, 146, 148, 151, 152, 153, 155, 159, 160, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 178, 179, 180, 181, 186, 187, 188, 191, 192, 193, 194, 195, 211, 228A, 228B, 230, 231, 232, 235, 241, 275	
		<u>AOCs</u> 53 Without Controls		276, 277, 278, 1001, 1003, 1004, 1006, 1007, 1008, 1009, 1010, 1014, 1015, 1020, 1024, 1025, 1026, 1027, 1028, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1052, 1072, 1073, 1077, 1078, 1079, 1080, 1082, 1083, 1084, 1086, 1087, 1089, 1091, 1092, 1093, 1096, 1098, 1102, 1104, 1105, 1108, 1110, 1111, 1112, 1113, 1120	

\*Final decisions regarding institutional controls will be negotiated as part of the RCRA permit renewal.

AOC = Area of Concern.

BSGW = Burn Site Groundwater

CAC = Corrective Action Complete.

CCR = Current Conceptual Model

CME = Corrective Measures Evaluation

CMI = Corrective Measure Implementation.

NA = Not applicable.

NFA = No further action.

NMED = New Mexico Environment Department

NOD = Notice of Deficiency

SNL/NM = Sandia National Laboratories/New Mexico.

SWMU = Solid Waste Management Unit.

TA = Technical Area

TAG = Tijeras Arroyo Groundwater

TNT = 2,4,6-Trinitrotoluen