

*Idaho  
National  
Engineering  
Laboratory*

February 1998

**Volume II  
Legacy Sample Disposition Project  
Final Report**

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*R. N. Gurley  
K. L. Shifty*

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**Volume II  
Legacy Sample Disposition Project  
Final Report**

**R. N. Gurley  
K. L. Shifty**

**Published February 1998**

**Idaho National Engineering and Environmental Laboratory  
Lockheed Martin Idaho Technologies Company  
Idaho Falls, Idaho 83415**

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## **ABSTRACT**

This report describes the Legacy Sample Disposition Project at the Idaho Engineering and Environmental Laboratory (INEEL), which assessed Site-wide facilities/areas to locate legacy samples and owner organizations and then characterized and dispositioned these samples. This project resulted from an Idaho Department of Environmental Quality inspection of selected areas of the INEEL in January 1996, which identified some samples at the Test Reactor Area and Idaho Chemical Processing Plant that had not been characterized and dispositioned according to Resource Conservation and Recovery Act (RCRA) requirements. The objective of the project was to manage legacy samples in accordance with all applicable environmental and safety requirements. A systems engineering approach was used throughout the project, which included collecting the legacy sample information and developing a system for amending and retrieving the information. All legacy samples were dispositioned by the end of 1997. Closure of the legacy sample issue was achieved through these actions.



## SUMMARY

The Idaho Division of Environmental Quality (DEQ) performed an inspection of selected areas of the Idaho National Engineering and Environmental Laboratory (INEL) during January 1996, which resulted in a Notice of Violation (NOV) on March 21, 1996. One of the issues included was a finding that some Test Reactor Area (TRA) and Idaho Chemical Processing Plant (ICPP) waste (e.g., samples) had not been characterized and dispositioned according to the requirements of the Resource Conservation and Recovery Act (RCRA). In response, Lockheed Martin Idaho Technologies Company's (LMITCO) Compliance Review Board created a Legacy Sample Management Team charged with assessing LMITCO site legacy samples. LMITCO site legacy samples are defined as LMITCO controlled samples obtained before January 1, 1996. Subsequently, a Legacy Sample Disposition Project managed by Environmental Affairs was established to continue sample assessment and ensure sample disposition. In addition, the Project was charged with implementing a Site-wide Sample Management Control Procedure.

A Legacy Sample Disposition Project Plan was developed as a guide for LMITCO sample assessment and disposition activities leading to issue closure. The plan delineated a systems engineering process for the closure activities (including scope, budget, schedule, milestones, and reporting activities). A task order subcontractor was used to help with the legacy sample disposition activities.

A Sample Management Control Procedure was implemented on March 1, 1997. By December 31, 1997, 29,723 LMITCO legacy samples were dispositioned. Of these, 22% were RCRA controlled samples. As a part of the dispositioning process, a legacy sample co-mingling plan was approved by the DEQ and implemented in July 1997. An independent statistical audit was made of the dispositioned legacy samples. A random sample of 647 legacy samples was selected using a 2% level of nonconformance (percentage of nonconforming samples), a 1.5% reliability value (closeness the estimate must be to the nonconforming sample—  $\pm$  reliability), and a 95% confidence level (probability the estimate will be within the stated range of the level of nonconformance). The audit was completed in two phases and the overall results are currently being evaluated leading to verification of the integrity of the sample tracking documentation, supporting a claim the LMITCO legacy samples were properly dispositioned. This final Legacy Sample Disposition Project Final Report summarizes the activities of the project.



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## ACRONYMS

AEDL	Applied Engineering and Development Laboratory
CEO	Contracts Environmental Organization
CFR	Code of Federal Regulations
COA	Consent Order Agreement
CPP	Chemical Processing Plant
CY	calendar year
DEQ	Division of Environmental Quality
DOE	Department of Energy
DOE-HQ	Department of Energy Headquarters
DOE-ID	Department of Energy Idaho Operations Office
DQO	data quality objective
EA	Environmental Affairs
EC	Environmental Compliance/environmental checklist
EM	Environmental Management
EPA	Environmental Protection Agency
ER	Environmental Restoration
ESH	Environmental, Safety, and Health
FY	fiscal year
ICPP	Idaho Chemical Processing Plant
IG	DOE Inspector General
INEEL	Idaho National Engineering and Environmental Laboratory
LMITCO	Lockheed Martin Idaho Technologies Company
LSDP	Legacy Sample Disposition Project
LSMT	Legacy Sample Management Team
MCP	Management Control Procedure

<b>NEPA</b>	<b>National Environmental Policy Act</b>
<b>NO</b>	<b>Nuclear Operations</b>
<b>NOV</b>	<b>Notice of Violation</b>
<b>PCB</b>	<b>polychlorinated biphenyl</b>
<b>QA</b>	<b>Quality Assurance</b>
<b>RCRA</b>	<b>Resource Conservation and Recovery Act</b>
<b>RESL</b>	<b>Radiological Environmental Survey Laboratory</b>
<b>R&amp;D</b>	<b>Research and Development</b>
<b>RMA</b>	<b>Radioactive Management Area</b>
<b>RP</b>	<b>Reactor Program</b>
<b>RWMC</b>	<b>Radioactive Waste Management Complex</b>
<b>SAA</b>	<b>Satellite Accumulation Area</b>
<b>SH</b>	<b>Safety and Health</b>
<b>SMC</b>	<b>Special Manufacturing Capability</b>
<b>SMO</b>	<b>Sample Management Office</b>
<b>SS</b>	<b>Site Services</b>
<b>TAA</b>	<b>Temporary Accumulation Area</b>
<b>TRA</b>	<b>Test Reactor Area</b>
<b>TSDF</b>	<b>Treatment, Storage, and Disposal Facility</b>
<b>UHC</b>	<b>Underlying Hazardous Constituent</b>
<b>VP</b>	<b>Vice President</b>
<b>WAC</b>	<b>Waste Acceptance Criteria</b>
<b>WBS</b>	<b>Work Breakdown Structures</b>
<b>WERF</b>	<b>Waste Experimental Reduction Facility</b>
<b>WO</b>	<b>Waste Operations</b>
<b>WROC</b>	<b>Waste Reduction Operations Complex</b>

## NOMENCLATURE

*Active or current sample.* A sample, collected or received after January 1, 1996, that is being analyzed within a laboratory; sample where all the requested analytical results have not been provided to the sample owner and/or the analysis requestor.

*Archive sample.* A sample that will be kept for a specific purpose (documented), which will be properly dispositioned at the time the intent for keeping it is voided.

*Demonstration sample.* Generally, any nonhazardous and nonradioactive material that is used for demonstration purposes. It can be a hazardous and/or radioactive material if it is properly managed by procedure (e.g., mixed waste demonstration sample contained within a hot cell).

*Disposition.* The act of controlling a sample via:

- Disposing of the sample at the Radioactive Waste Management Complex (RWMC), etc.
- Returning the sample to the Area of Contamination, from which it came
- Retaining the sample as an active sample (i.e., being used or being held for reuse) or as an archive sample
- Transferring the sample to an analytical laboratory that accepts the responsibility for disposing of the residue and/or the unused portion of the sample [i.e., dispositioned by off-Site laboratories as part of their analytical service contracts with Lockheed Martin Idaho Technologies Company (LMITCO)]
- Reclassifying the sample as a nonlegacy sample (i.e., as a product)
- Storing a Resource Conservation and Recovery Act (RCRA) sample in a RCRA permitted Treatment, Storage, and Disposal (TSD) facility [but not in a Temporary Accumulation Area (TAA) or a Satellite Accumulation Area (SAA)]
- Storing of a rad-only sample in a Radioactive Management Area (RMA)

*Legacy sample.* Except for samples exempted by contract, or subcontract, or via a LMITCO procedure, a legacy sample is any LMITCO managed material that:

- Is an unused sample or a sample residue (gas, liquid, or solid material) that constitutes the whole or a subset of a population material
- Was collected or received before January 1, 1996, for any chemical and/or physical analysis
- Has been generated on or off the Idaho National Engineering and Environmental Laboratory (INEEL) through contracts or subcontracts
- Disposition has not occurred for the entire sample.

*Legacy waste.* Any hazardous or nonhazardous discarded or abandoned material, or inherently waste-like material.

*Retention.* The finite storage of sample media before, during, and following analysis or associated research activities.

*Sample management.* Includes properly handling, storing, characterizing, and/or dispositioning legacy samples and ensuring the collection and retention of associated documentation as required by regulations.

*Sample owner.* Any sample generator or LMITCO organization that has responsibility for the management of legacy samples, including those legacy samples generated from completed or terminated programs and projects for which the organization has a direct or historical tie.

# Volume II

## Legacy Sample Disposition Final Report

### 1. MISSION

The Legacy Sample Disposition Project (LSDP) served as the resource of Lockheed Martin Idaho Technologies Company (LMITCO) for the management of legacy samples within LMITCO's overall environmental compliance program. The LSDP was chartered with administering a program based on systems engineering principles [based on the principles of Department of Energy (DOE) O 430.1, Life Cycle Asset Management, dated August 24, 1995, and Department of Energy Idaho Operations Office (DOE-ID) N 430.1, Life Cycle Asset Management, ID Expectations, dated June 10, 1997; also generally based on the principles of DOE 4700.1, Project Management System (consolidated into DOE O 430.1) and DOE-ID 4700.1, Project Management System (consolidated into DOE-ID N 430.1)] to manage the legacy samples at the Idaho National Engineering and Environmental Laboratory (INEEL) via identification, characterization, and disposition of the samples and documentation of the sample activities.

The LSDP assessed Site-wide facilities/areas to locate legacy samples and responsible organizations; catalogued the collected information in a system that allowed amendment and retrieval of the data; and ensured characterization and disposition of the samples. The status of the legacy sample characterization and disposition activities was reported to LMITCO management, DOE-ID, and the Idaho Division of Environmental Quality (DEQ) on a regular basis.

### 1.1 Objective

The objective of the LSDP was to manage LMITCO's legacy samples via methods that are in accordance with environmental and safety requirements. The results of the project include the disposition of all the legacy samples by the end of calendar year (CY) 1997 and the preparation of defensible, associated documentation. Closure of the environmental legacy sample issue was achieved through these actions as summarized in this Legacy Sample Disposition Project Final Report. Managing the disposition of the legacy samples complemented LMITCO's ongoing environmental and safety programs, thereby enhancing LMITCO operations at the INEEL.

### 1.2 Background

During January 1996, the DEQ performed a hazardous waste inspection of the INEEL. One of the issues included in the resulting March 21, 1996, Notice of Violation (NOV) was Test Reactor Area (TRA) and Idaho Chemical Processing Plant (ICPP) samples that had not been characterized and dispositioned as required. A Legacy Sample Management Team (LSMT), consisting of personnel from LMITCO branches, was created at the request of the LMITCO Compliance Review Board to help direct LMITCO personnel in identifying legacy samples. This group was tasked with: (a) coordinating legacy sample assessments and searches conducted by their individual organizations, (b) communicating legacy sample management requirements to their organizations, (c) ensuring the proper management of their organizations' legacy samples, and (d) participating in the development and implementation of the Company's new sample management procedure. Subsequently an LSDP, led by the Environmental Compliance Department of the Environmental Affairs (EA) Directorate, was established to ensure the identification, characterization, and disposition of the LMITCO legacy samples. The LSDP initiated a comprehensive Site-wide search for legacy samples to ensure that all previously identified legacy samples were being managed and to determine if all the potential legacy samples had been identified. These

followup activities concentrated on those areas having the potential for legacy samples (e.g., laboratories, areas not having strictly controlled inventories, abandoned buildings, and mobile structures). Appendix A, LMITCO Site Legacy Sample Information, provides summary data concerning the identified legacy samples. In addition, this appendix provides a site sample location map and a locator matrix.

## 1.3 Scope

A definition of legacy sample was established as part of the LSDP activities. That definition states that except for samples exempted by contract, or subcontract, or via a LMITCO procedure, a legacy sample is any LMITCO managed material that:

- Was an unused sample or a sample residue (gas, liquid, or solid material) that constituted the whole or a subset of a population material
- Was collected or received before January 1, 1996, for any chemical and/or physical analysis
- Had been generated on or off the INEEL through contracts or subcontracts
- Disposition had not occurred for the entire sample.

Information collected from field inspections for legacy samples and the associated verification information was catalogued in an EA status/tracking computer matrix to support proper sample management. Information about the samples was verified for completeness. Recommendations and determinations for disposition were made by the sample owners (with the help of the LSDP team, as needed) based on the characterization data. Dispositions were handled via the sample owners.

### 1.3.1 Included Scope

The specific scope of the Site-wide LSDP activities included the following key tasks:

- Project management of the LSDP
- Identification of the LMITCO controlled legacy samples
- Characterization of the samples by: (a) obtaining and evaluating existing data, (b) developing sample and analysis plans when needed, (c) executing the sample and analysis plans, and (d) evaluating resulting data
- Disposition of the samples
- Documentation (i.e., audit ready) of the identified, characterized, and dispositioned samples by developing and maintaining related computer based inventory
- Verifying the associated activities via auditing the dispositioned sample activities.

The specific tasks of the EA LSDP activities included the overall project management of the LSDP, identifying the legacy samples, providing technical support to the Site-wide sample characterization activities, developing and maintaining a centralized legacy sample status/tracking inventory, and

providing technical support to the verification activities as needed, which included a statistical audit of the dispositioned samples.

### **1.3.2 Excluded Scope**

The scope of the LSDP specifically excluded the above described activities for some INEEL samples. Per the legacy sample definition, excluded from the LSDP were samples generated after January 1, 1996; those samples dispositioned by off-Site laboratories as part of their analytical service contracts with LMITCO; samples at the INEEL that are not managed by LMITCO (i.e., managed by DOE-ID, other federal agencies or programs, or other DOE subcontractors); and those samples located in a LMITCO Temporary Accumulation Area (TAA), Satellite Accumulation Area (SAA), or Treatment, Storage, and Disposal Facility (TSDF), based on the assumption they were managed according to the RCRA.

In addition to the above cited exclusions, environmental compliance issues not germane to the LSDP, such as nonsample legacy waste and compliance issues, were excluded from the scope of the LSDP. These other issues, including any subset items identified by the LSDP that were reported to the proper management, are being overseen by either the responsible facilities or by other environmental programs within LMITCO.

### **1.3.3 Work Scope Activities**

The objective entailed three major tasks for the LSDP: (1) project management activities and (2) implementation of a sample management control procedure. These aspects of the overall work scope are defined in Sections 1.3.3.1 through 1.3.3.3. The technical base supporting the LSDP work scope is presented in Section 1.3.4, Technical Basis.

**1.3.3.1 LSDP Plan.** An LSDP plan was prepared as a Site-wide guidance document ("Volume I, Legacy Sample Disposition Project Plan," INEL/EXT-97-00134, March 1997). As implemented, the LSDP plan resulted in an inventory of LMITCO legacy samples and status/tracking information relating to the characterized and dispositioned samples. Implementation of the plan was the responsibility of the Site-wide LSDP team. The LSDP Plan was provided to LMITCO personnel, the DEQ, and DOE-ID [R. N. Gurley Communication to Distribution, "Issuance of the Legacy Sample Disposition Project (LSDP) Plan," RNG-07-97, March 14, 1997; R. N. Gurley letter to Mr. R. C. Cullison, U. S. DOE, Idaho Operations Office, Idaho Falls, ID, "Volume I, Legacy Sample Disposition Project (LSDP) Plan," RNG-08-97, March 24, 1997; and Cheryl R. Koshuta letter to D. Michael Gregory, Division of Environmental Quality (DEQ), State of Idaho, "Volume I, Legacy Sample Disposition Project (LSDP) Plan," CRK-25-97, April 11, 1997]. Closure of the legacy sample environmental issue was targeted for approximately a 1-year period. The vehicle for closure was sample disposition (as reported in this final report where disposition is documented for each LMITCO legacy sample). A subcontractor, SERG, Inc., was used as needed on a Task Order basis to help with characterizing and dispositioning the samples, as in-house expertise was not readily available to perform the work in a timely manner.

**1.3.3.2 Sample Management Control Procedure.** The EA LSDP team was chartered with preparing a LMITCO Sample Management Control Procedure (MCP-2864, became effective March 1, 1997). It directs the sample owners to manage current samples via a schedule based plan (e.g., INEEL Form L-0435.26#, 01-97—Revision #3, Sample Management Office Services Request Form), which outlines sample owner's needs, responsibilities, and/or intent as well as required sample identification, characterization, and disposition activities. Sample disposition activities are via the existing associated LMITCO procedures and forms (e.g., MCP-2864; MCP-444, Characterization Requirements for Solid and Hazardous Waste [Appendix B]; MCP-453, Management of Unknown

Materials) and DOE-ID-10381, INEEL Reusable Property, Recyclable Materials, and Waste Acceptance Criteria (WAC). The pertinent DOE-ID-10381 information includes: Section 3, Characterization; Section 4.2, Recyclable Materials; Section 4.3, Sanitary Waste; Section 4.4, Hazardous Waste; Section 4.5, Low-Level Waste; Section 4.6, Mixed Hazardous Low-Level Waste; Section 4.7, Fluid with Radioactive/Hazardous Contamination; Section 4.8, Transuranic Waste & Mixed Hazardous Transuranic Waste; and Section 4.10, High-Level Waste.

MCP-2864 was written as a sample management road map. Training concerning MCP-2864 proceeded during January and February 1997 leading to a March 1, 1997, procedure implementation date. A pilot training session was given as part of the overall training activities. The pilot group tested the procedure during January/February 1997. Feedback from these activities was used to enhance the procedure and the training material that supported the February 1997 training sessions. Over 30 training sessions were given, involving more than 650 LMITCO personnel.

**1.3.3.3 Inspections and Information Management.** The LSDP identified, characterized, and dispositioned the LMITCO legacy samples. Sample identification was accomplished by facility self-assessments for legacy samples, EA assessments of the site, and verification assessments by the LSDP team. Facility offices of LMITCO personnel were assessed as possible locations for legacy samples (i.e., active, archived, and demonstration samples). Information collected in the field was entered into the centralized LSDP computer status/tracking inventory to maintain a current status and to track each sample. The status/tracking matrix (see Appendix A and Volume III) was designed to handle the following data.

- Location (building, etc.) where sample was found
- Sample Management Team File Tracking Number
- Sample ID
- Associated project
- Date
- Needed data obtained
- Reason for collecting sample
- Sample container
- Approximate volume
- Matrix
- RCRA hazardous or nonhazardous
- Underlying Hazardous Constituents (UHCs)—if present
- Polychlorinated biphenyls (PCBs)—if present

- Radiation data (if radiation species present)
- Status
- Final disposition
- Generator/generator charge number
- Comments.

For the legacy samples, specific characterization data were used to determine the disposition path forward. After sample disposition, the associated information was entered into the tracking matrix. The information tracked by the tracking matrix system was periodically provided to the State of Idaho DEQ to show progress toward meeting the disposition date. The information contained in this tracking matrix was obtained from sample owners, and is generally a summary of the information contained in the disposition files. The disposition files, maintained by the INEEL facilities, contain the detailed information needed to show the origin of each legacy sample and to document the appropriate disposition. These disposition files are the auditable record.

**1.3.3.4 Characterization of Legacy Samples.** Each sample owner was responsible for ensuring the required and verifiable characterization information was readily available to assess the characterization of each sample. For proper disposition, the owners also were responsible for ensuring the samples were in compliance with the specific requirements for the selected disposition area.

When sufficient characterization information was available, the sample owner proceeded with disposition activities. When insufficient information was available for characterization of a sample, the sample was stored while sufficient characterization data were obtained. These actions entailed the development and execution of sample analysis plans per LMITCO procedures. When sufficient characterization data were documented, the process proceeded to disposition. Depending on what characterization information was available, the sample owner did a chemical/physical analysis, fingerprinting, or a wider range of laboratory analyses (or derived from analysis) to confirm that hazardous components or radioactive materials were, or were not, present so subsequent action could proceed per hazardous waste regulations and/or WAC criteria pertinent to disposition. Field information supporting the characterization and disposition of the legacy samples was entered into the LSDP tracking matrix.

Characterization and disposition information was verified by a LMITCO independent audit team using a statistical approach. This activity is described in Section 3.1, Summary, and Section 3.3, Audit of Dispositioned Legacy Samples, of the Results Section.

**1.3.3.5 Disposition of Legacy Samples.** The definition of disposition of a legacy sample is in the Nomenclature Section. There are a number of disposition routes. Regardless of the route, actions and information leading to and following disposition were documented. No disposition occurred without the necessary documentation of the characterization that supported the chosen disposition option via compliance with the appropriate regulations (e.g., met the WAC of the intended disposal facility if disposal was to be at a facility governed by a WAC). In essence, the disposition option selected by the sample owner was in accordance with the applicable hierarchy of federal and state regulation, Department of Energy Headquarters (DOE-HQ) and DOE-ID policies, and LMITCO requirements and procedures.

**1.3.3.6 Subcontractor.** The LSDP developed a Request for Proposal and selected a task order subcontractor (SERG, Inc.) through the DOE-ID/LMITCO procurement processes. Since personnel with environmental compliance experience are a limited LMITCO resource and the LSDP was of limited duration, it was prudent to use a subcontract for some of the LSDP temporary peak load work scope rather than redirect LMITCO labor away from priority projects. The use of subcontractor personnel offered a short-term labor force that characterized samples, assisted the sample owner in identifying any sample analyses that were necessary to complete characterization, and helped with identifying the proposed disposition path and the disposition process. SERG, therefore, worked with the Site-wide LSDP personnel on an as needed basis, as requested and funded by the sample owners. SERG, the subcontractor for the LMITCO LSDP, worked an original and 19 subset legacy sample characterization/disposition modifications to the original subcontract. These modifications, included: (a) Site-wide orphan samples (i.e., samples that had no identified owner); this work was managed by the EA LSDP Team; (b) Reactor Program (RP) samples; this work was managed by RP; (c) EA Environmental Compliance (EC) samples; this work was managed by the EA LSDP Team; (d) Waste Operations (WO) samples; this work was managed by WO; and (e) Applied Engineering Development Laboratory (AEDL); this work was managed by AEDL.

**1.3.3.7 Co-Mingling of Legacy Samples.** It was recognized that if selected co-mingling of legacy samples were possible, the characterization and disposition activities could be accelerated and the associated costs could be reduced. A legacy sample co-mingling plan (just for the LSDP) was developed and approved by the DEQ. (Michael Gregory, Letter to Cheryl R. Koshuta, "Co-Mingling of Legacy Samples-CRK-35-97; DEQ Approves the Co-Mingling of Legacy Samples Plan," June 2, 1997). LMITCO's Contracts Environmental Organization (CEO)—the National Environmental Policy Act (NEPA)/Permitting Department—approved an environmental checklist (EC) for the co-mingling of legacy samples at the INEEL under the LSDP Project [J. R. Mitchell, Communication to R. N. Gurley, "Co-Mingling of Legacy Samples NEPA Documentation (INTEL 97-109)," JRM-253-97, July 31, 1997]. Training sessions on the INEEL plan for co-mingling legacy samples, as approved by the DEQ, were held in July 1997 for the owners and custodians of the legacy samples. Various LMITCO samples owners did use the co-mingling process as part of their overall characterization and dispositioning activities. The supporting data for these activities are maintained as a part of the various sample owner data bases.

**1.3.3.8 Verification of the Dispositioned Legacy Samples.** Verification of the disposition of the legacy samples, as stipulated by the LSDP Plan, started in late summer, 1997. Verification was and is being accomplished by auditing the dispositioned samples supporting data, etc. The purpose was and is to help make sure the LSDP had achieved proper sample disposition so that LMITCO could pass a DEQ audit, or any other audit. Environmental Affairs Performance Assessment performed sample disposition audits for all the LMITCO sample owners. The audit results (issues, comments, and concerns; corrected potential findings; and findings) were forwarded by letters to the sample owners, and sample audit closing conferences also were held. Verification results are discussed in Section 3.4, Audit of Dispositioned Legacy Samples. An audit level of nonconformance of 2% was selected with a reliability of  $\pm 1.5\%$  at a confidence level of 95%. The audit is further discussed in Section 3.4, Audit of Dispositioned Legacy Samples.

### **1.3.4 Technical Basis**

The bases for accomplishing the work scope included, in hierarchical order: federal regulations and agreements; state regulations and agreements; DOE-HQ orders, guidance, and policy; DOE-ID orders, guidance, and policy; Lockheed Martin Corporate policy; and LMITCO MCPs.

**1.3.4.1 Inspection and Information Management.** Legacy samples were identified at the TRA and at the ICPP by DEQ inspectors. Both of these facilities were cited in the DEQ January 12, 1996,

NOV as having past sample management infractions. Because of these infractions, initial assessments were conducted at other facilities having the potential to generate, store, or dispose of samples. Verification assessments also were conducted by EA LSDP personnel. Assessment team members were identified by familiarity with a facility or its process (i.e., part of the sample generator team), proper training necessary to access facilities, and availability of environmentally knowledgeable personnel. Assessments were performed by examining laboratories, storage areas, storage structures, warehouses, cabinets, closets, drawers, and containers in areas where legacy samples were known to be, or known to have been located or suspected to be located.

These findings of legacy samples were documented to satisfy the characterization, storage, and disposal requirements of federal and state waste regulations and acceptance criteria. The legacy sample data in the EA LSDP status/tracking matrix system were amended as new information was received by the LSDP. The rationale to maintain a record for each sample and amend its status, rather than deleting the record when disposition was complete, was to be able to provide the status of the legacy samples to the DEQ and to be in compliance with the waste regulation recordkeeping requirements contained in Title 40, Code of Federal Regulations (CFR), §§262.4, 262.40(c), 264.73, 265.16(e), 265.73, 268.7, and 268.9.

**1.3.4.2 Storage of Legacy Samples.** The storage requirements for legacy samples determined to be hazardous waste generally were in accordance with those mandated by 40 CFR Parts 262, 264, 265, and other sections referenced within those regulations. This includes language concerning proper containers, structures, ancillary support, access control, inventory control, and other administrative operating requirements. Compliance with these federal requirements were guided by LMITCO MCP-442, Satellite Accumulation Areas—Large Quantity Generators; MCP-443, Temporary Accumulation Areas—Large Quantity Generators; MCP-445, RCRA Training for Hazardous Waste Management; MCP-446, Small Quantity Generator Requirements; MCP-447, Conditionally Exempt Small Quantity Generator Requirements; MCP-448, Interim Status Treatment, Storage, and Disposal Facilities; MCP-449, Permitted Treatment, Storage, and Disposal Facilities; and MCP-453, Management of Unknown Materials. Radiologically contaminated samples were stored in a designated radioactive material storage area in accordance with the requirements in the DOE-ID Radiological Control Manual.

For nonhazardous samples, the DOE-ID Environmental Policy Guidance Manual states that samples should not be stored for more than 1 year from the date of sample receipt. Unless LMITCO line management approves an organization's request to retain the sample longer than 1 year (or greater than 90 days in the case of RCRA samples), samples and associated sample materials are declared wastes and characterized, stored, treated, and disposed per the proper regulations. Retention of samples is based on an identified and defensible future programmatic need for the sample that is delineated in the appropriate documents (e.g., Sampling and Analysis Plan; Quality Assurance Project Plan; and Monitoring, Analysis, and Test Plan). In consideration of these requirements, and to ensure that no samples become legacy samples after MCP-2864 was implemented, all samples retained beyond those times stated above (including archived and active legacy samples) were required to receive LMITCO line management approval, per the process outlined in the associated procedures. This also includes demonstration samples.

Sample owners are responsible for ensuring their personnel are properly trained to the requirements in the MCPs. It is the storage area owners and operators who are responsible for the operating requirements of the storage areas.

**1.3.4.3 Characterization of Legacy Samples.** The bases for characterization of legacy samples were provided in 40 CFR Part 261 and all referenced sections therein. LMITCO characterization was guided by MCP-444, Characterization Requirements for Solid and Hazardous Waste; MCP-451, Generator Treatment Plans; and MCP-453, Management of Unknown Materials. Characterization was

needed to classify legacy samples as hazardous or nonhazardous waste. Characterization also was required to meet the WAC of the facility that received the legacy sample for disposition (WACs for the incinerator, mixed waste storage facility, LMITCO landfill, off-Site facilities, etc.).

**1.3.4.4 Disposition of Legacy Samples.** The primary basis for disposition requirements was to meet all regulatory requirements. The characterization requirements and acceptance criteria of the receiving facility were also required to be met. Sample owners were responsible for ensuring that disposition of their samples met the appropriate requirements.

## **2. WORK STRATEGY**

The work strategy was the systems engineering forward path for the LSDP leading to the closure of the legacy sample issue. The LMITCO Site-wide Sample Management Procedure, MCP-2864, was issued on January 14, 1997. Issuance including placing the procedure on the Internet and in Section 6, RCRA, of the LMITCO Environmental Management Manual (Manual # 8). A pilot procedure training session was held January 30, 1997 (Environmental Monitoring of EA) with Site-wide training occurring in February 1997. The procedure was implemented Site-wide on March 1, 1997.

### 3. LEGACY SAMPLE DISPOSITION PROJECT RESULTS

#### 3.1 Summary

Not all the LMITCO legacy sample population was identified as hazardous waste; the major portion of the population was classified as nonhazardous waste. All legacy samples, however, were managed as hazardous waste until it was determined the samples were nonhazardous.

A total of 29,723 LMITCO controlled legacy samples were identified. As of December 31, 1997, all were dispositioned (see Table 1, LMITCO Organization—Legacy Samples Dispositioned). Of the dispositioned samples, 22.0% were RCRA samples.

Appendix A, LMITCO Site Legacy Sample Information, is a summary table showing the principal sample locations where the legacy samples were located. An outline of the contents of Volume III, Legacy Sample Inventory Table, is provided as Appendix B. Volume III are stand-alone LMITCO legacy sample inventories, which contains summary disposition data for various site locations.

An independent audit was made of the dispositioned legacy samples. This was performed to determine the integrity of the sample tracking documentation of the dispositioned samples. A frequency estimation audit was used to determine the rate of occurrence of nonconformance to dispositioning requirements. Specifics of the audit are presented in Section 3.3, Audit of Dispositioned Legacy Samples.

**Table 1. LMITCO organization—legacy samples dispositioned.**

Organization/No. Sample Identification Location	Number of Samples Identified/Dispositioned	Number of Samples Identified as RCRA Hazardous	Number of Samples Identified as Other
EA/1700	867	123	744
CFA	370	32	337
CPP	355	79	276
TRA	73	10	63
TAN	10	0	10
MAXIM (off-Site)	59	2	57
ER/3100	6,533	2,965	3,568
CFA	672	244	428
TOWN	177	0	177
CPP	2,785	1,241	1,544
RWMC	365	360	5
ARA	193	0	193
TRA	1,303	811	492
IRC	97	0	97
TAN	428	43	385
MAXIM (off-Site)	513	266	247
WO/3200	1,286	615	671
WERF.MWSF	414	396	18
RWMC	41	1	40
TRA	150	57	93
CPP	504	0	504
TAN	28	16	12
MAXIM (off-Site)	149	145	4

**Table 1. (continued).**

Organization/No. Sample Identification Location	Number of Samples Identified/Dispositioned	Number of Samples Identified as RCRA Hazardous	Number of Samples Identified as Other
AEDL/4000	8,186 <sup>a</sup>	1,269	6,917
CFA	51	33	18
CPP	1,847	85	1,755
TRA	1,542	1,079	466
IRC	4,746	72	4,678
NO/5100	23	7	16
CPP	9	7	2
TAN	14	0	14
NO/5200	405	229	176
CPP	365	229	136
TOWN	40	0	40
NO/5300	1,907	352	1,555
CPP	1,907	352	1,555
RP/5400	2,396	1,008	1,388
TRA	2,371	983	1,388
MAXIM (off-site)	25	25	0
SMC/5500	1,945 <sup>b</sup>	0	1,945
TRA	3	0	3
TAN	1,942	0	1,942
SS/6000	5,706 <sup>c</sup>	52	5,654
CFA	5,611	43	5,568
RWMC	16	0	16
CPP	46	9	37
TRA	6	0	6
TAN	43	0	43
ORPHAN	395	39	356
CPP	359	27	332
TAN	15	0	15
MAXIM (off-Site)	21	12	9
Total	29,723	6,659	23,064

a. Number includes 4,000, which audit identified as one sample.

b. Number includes 1,243, which audit identified as one sample.

c. Number includes 5,444, which audit identified as two samples.

## 3.2 Management Milestones

Management milestones were developed to guide the LSDP to closure of the issue. These milestones include:

**Table 2. Management Milestones.**

Milestones	Date	Status
Establish legacy sample management team to address issue	3/21/96	Completed 3/21/96
Complete assessment for legacy samples	3/15/97	Completed 3/15/97
Complete characterization of legacy samples	December, 1997 <sup>a</sup>	Completed December, 1997
Complete disposition of legacy samples	December, 1997 <sup>a</sup>	Completed December, 1997
Secure LSDP task order subcontractor	4/24/97	Completed 4/24/97
Complete verification of documentation	February, 1997 <sup>a</sup>	Completed February, 1997
Issue draft LSDP Plan for review	2/13/97	Draft issued for review 2/11/97
Issue final LSDP Plan	3/19/97	Completed 3/19/97
<u>Issue LSDP Final Report</u>	February, 1997 <sup>a</sup>	Completed February, 1997

a. These dates were amended from the dates contained in Gurley, et al., "Volume I, Legacy Sample Disposition Project Plan," INEL/EXT-97-00134, March 1997. The authority to revise the dates was granted by Mr. G. E. Ellis, Acting Executive Vice President For Operations and Chief Operation Officer, LMITCO, in October 1997. The revised dates are consistent with agreement with DEQ to disposition all samples by the end of CY 1997.

## 3.3 Audit of Dispositioned Legacy Samples

### 3.3.1 Audit Overview

The LSDP included an independent audit of the dispositioned legacy samples. The purpose was to help LMITCO achieve proper sample disposition. To this end, Mr. William (Bill) O. Lockman, EA Performance Assessment Manager, performed an independent audit of the dispositioned legacy samples. This audit is expected to confirm closure of this issue.

A six page audit check list was provided to the sample owners as an audit guide (Richard N. Gurley and W. O. Lockman to Distribution, "Audit Check List For Dispositioned Legacy Samples," RNG-33-97, July 17, 1997). Additionally, approximately 2 days before the individual sample owner's audits, they were given the identification of their randomly selected dispositioned samples that were to be audited. These samples were chosen from the sample owner's dispositioned samples.

The audit team looked for proper identification of the sample, documented characterization of the sample, a written basis for the disposition decision, and documented evidence of sample disposition. They looked for proper sample disposition, and they evaluated the clarity of the documentation trail. They also made field checks to verify the accuracy of the documentation. The audit team provided a findings report to each sample owner. As stated in Section 3.1, Summary, the audit was completed in two

phases and the overall result are expected to be within the selected statistical parameters (audit is expected to be finalized during March 1998). The audit activities, as well as the audit results, are described in:

1. W. O. Lockman, et al., "Draft Final Independent Environmental Audit: Legacy Sample Disposition Verification (Phase I)" INEEL Audit Number: 97-ENV-02, Environmental Affairs, November 6, 1997.
2. W. O. Lockman, et al., "Independent Environmental Audit: Legacy Sample Disposition Verification (Phase II)" INEEL Audit Number: 97-ENV-03, Environmental Affairs, March 1998.

### **3.3.2 Audit Description**

Mr. J. J. Jacobson, Advisory Scientist, Special Analytical Services, LMITCO, developed the audit statistics based on the following References.

1. Arkin, H., "Handbook of Sampling for Auditing and Accounting," Volume 1, McGraw-Hill Book Company, 1963.
2. Hill, H. P., Roth, J. L., and Arkin, H., "Sampling in Auditing—A Simplified Guide and Statistical Tables," The Ronald Press Company, 1962.

The statistical sample set of the dispositioned sample population was audited to determine the level of conformance of the tracking documentation. Frequency estimation was used to determine the rate of occurrence of nonconformance to dispositioning requirements. The number of dispositioned samples to be audited depended on the nonconformance, the reliability, and confidence levels that were selected by the audit team. Once the sample size was determined, then a random selection of the audit sample was obtained from the list of dispositioned samples.

The audit approach resulted in a determination of the integrity of the sample tracking documentation of the dispositioned samples. Allowing for the situations where the SMC (sample owner) grouped 1,243 samples into a single security set, Site Services (sample owner) treated 5,444 asbestos samples as two grouped asbestos sample sets, and the AEDL (sample owner) grouped 4,000 metal mount samples into a single set, the audit sample population consisted of approximately 19,040 samples [i.e., 29,723—10,687 (1,243 + 5,444 + 4,000) + 4] dispositioned samples.

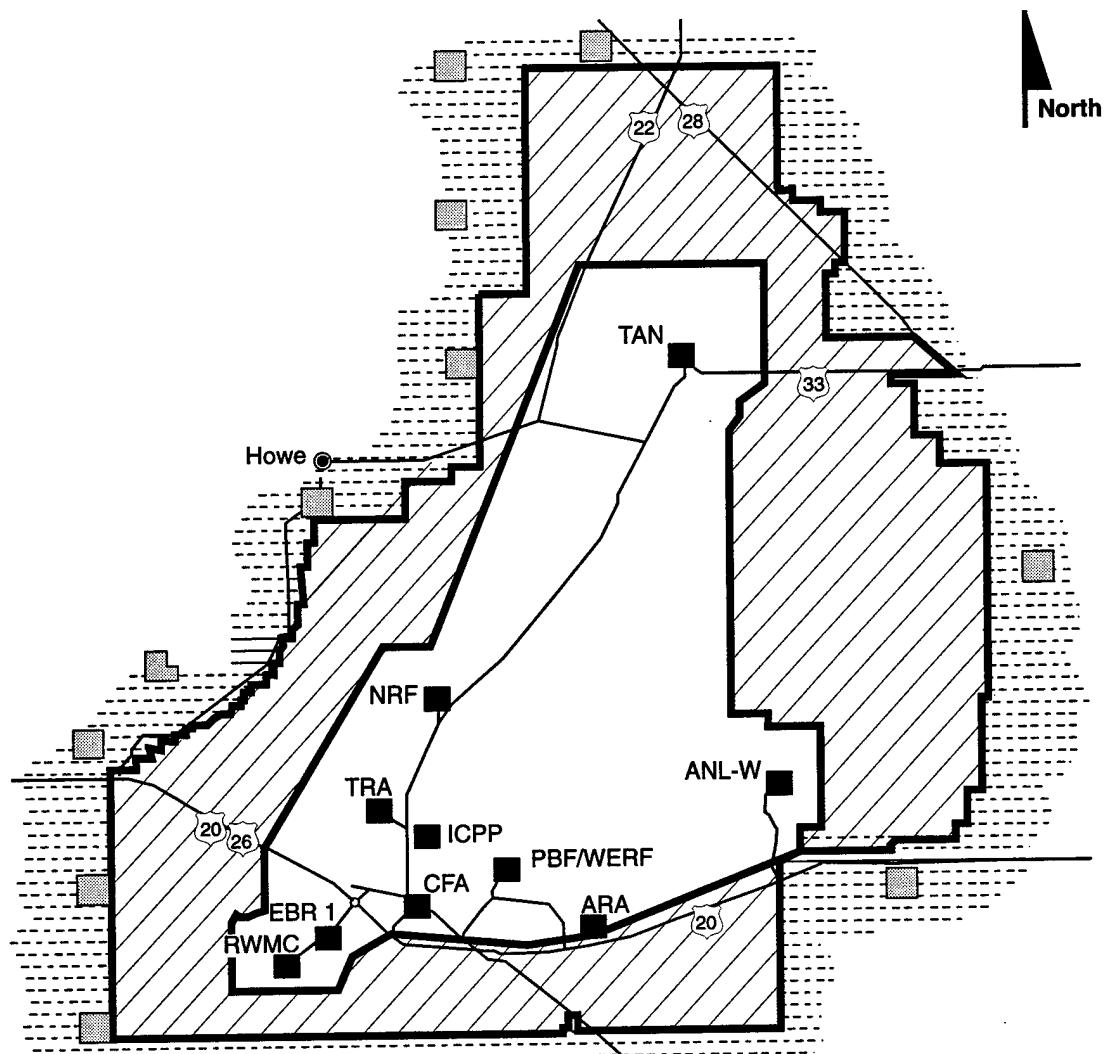
By using a 2% level of nonconformance (percentage of nonconforming samples), a 1.5% reliability value (closeness the estimate must be to the nonconforming sample— $\pm$  reliability), and a 95% confidence level (probability the estimate will be within the stated range of the level of nonconformance), an audit sample size of 647 was determined and randomly selected from the 17,795 sample population. The audit was performed in two phases. Phase I included 325 audit samples and Phase II included 322 samples (for the number of samples audited per the sample owner, refer to Table 4, LMITCO Organizations—Samples Audited). For this random audit sample set, the default number of samples (true dispositioning failures) was 24. This meant that if  $> 24/30$  failures occurred, then the projected number of failures in the total set could be more than 3.5% (i.e., 2% nonconformance + 1.5% reliability).

**Table 3. LMITCO organizations—samples audited.**

LMITCO Organization	Randomly Selected Samples		
	Phase I	Phase II	Total
SMC/5500	14	2	16
NPR/4200	5	0	5
AEDL/4000	90	43	133
AEDL/4000, RESL, & EA/1700 ORPHAN	6	12	18
SS/6000	1	1	2
RP/5400	19	86	105
EA/1700	32	10	42
ER/3100	89	118	207
W0/3200	5	27	32
NF/5100	17	0	17
HLW OPS/5200	5	6	11
SP/HLW & RELATED PROJECTS/5300	59	0	59
<b>TOTALS</b>	<b>325</b>	<b>322</b>	<b>647</b>

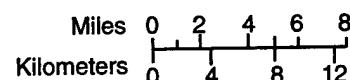
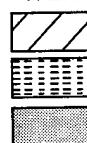
**Appendix A**

**LMITCO Site Legacy Sample Information**



**Legend**

- ANL-W Argonne National Laboratory-West
- ARA Auxiliary Reactor Area
- CFA Central Facilities Area
- EBR-1 Experimental Breeder Reactor - 1
- ICPP Idaho Chemical Processing Plant
- NRF Naval Reactors Facility
- PBF Power Burst Facility
- RWMC Radioactive Waste Management Complex
- TAN Test Area North
- TRA Test Reactor Area
- WERF Waste Experimental Reduction Facility



J960216

Selected Land Uses at the INEL and in the Surrounding Region

**Appendix A**  
**LMITCO Site Legacy Sample Information**

BUILDING/TEMPORARY STRUCTURE	BUILDING/TEMPORARY STRUCTURE DESCRIPTION	CURRENT USE	NUMBER OF SAMPLES IDENTIFIED	INITIAL FACILITIES WALKED DOWN BY SMT	ON BASELINE ASSESSMENT LIST	LSDP VERIFICATION WALKDOWN
AEF 601	Reactor Building Basement	Vacant				
AEF 603	Waste Management Building	Vacant				X
	Aquifer Test Facility	Vacant				
ARA 601	Well House	Well				
ARA 604	Guard House	Service				X
ARA 610	Service Building	Vacant	104			X
ARA 617	Dynamic Processing Facility	Explosive Research				
ARA 622	Warehouse Building	Vacant	79			X
ARA 626	Hot Cell Building	Vacant				X
ARA 629	Pumphouse	Vacant				
ARA 711	Fuel Oil Pump Building	Service				
ARA 732	Storage Shelter	Shelter				
ARA-I	TM-67	Misc. tools & supplies (equipment) storage				X
ARA-I	TM-68	Misc. tools & supplies (equipment) storage				X
ARA-I	TM-69	Combustible rad (potential legacy waste) storage				X
ARA-I	TM-70	Combustible rad (potential legacy waste) storage				X
ARA-II	TM-77	Empty				X
ARA-III East Gate	TM-71	Misc. tools & supplies (equipment) storage				
ARA-III East Gate	TM-72	Storage ten soil samples	10			X
ARA-III E RBA	TM-75	Misc. tools & supplies (equipment) storage				X
ARA-III E RBA	TM-76	Misc. tools & supplies (equipment) storage				X
ARA-III INSIDE RMA, S	TM-73	Combustible rad (potential legacy waste) storage				X
ARA-III INSIDE RMA, S	TM-74	Combustible rad (potential legacy waste) storage				X

**Appendix A**  
**LIMITCO Site Legacy Sample Information**

BUILDING/TEMPORARY STRUCTURE	BUILDING/TEMPORARY STRUCTURE DESCRIPTION	CURRENT USE	NUMBER OF SAMPLES IDENTIFIED	INITIAL FACILITIES WALKED DOWN BY SMT	ON BASELINE ASSESSMENT LIST	LSDP VERIFICATION WALKDOWN
ARA-III S RMA	TM-78	Unknown - Not open				X
B16-602	Pumphouse Fire Station No. 2	Service				
B16-603	Experimental Field Station Storage Building	Storage				
B16-604	Experimental Field Station Pumphouse	Pumphouse				
B16-605	Grid No. 3 Equipment Building	Program Storage				
B16-606	Experimental Field Station Storage Building	Storage				
B16-607	Training and Storage Building	Storage & Training				
B16-703	Fire Station Training Facility	Offices & Service				X
B21-602	Storage Building Gun Range	Storage				
B21-606	W. Portland Guardhouse	Storage				
B21-608	Weapons Range House	Security	NA	NA	NA	NA
B21-608	TM-49	Targets, misc. equipment storage				X
B21-608	TM-50	Targets, misc. equipment storage				X
B21-608	TM-51	Targets, misc. equipment storage				X
B21-608	TM-52	Misc. tools & supplies (equipment) storage				X
B21-608	TM-53	Spent brass, recyclable (managed waste)				X
B21-608	TM-54	Misc. tools & supplies (equipment) storage				X
B21-608	TM-55	Misc. tools & supplies (equipment) storage				X
B21-608	TM-56	Misc. tools & supplies (equipment) storage				X
B21-608	TM-57	Lead/Acid Battery Storage, Chargers (managed waste)				X
B21-608	TM-58	Misc. range equipment (storage)				X
B21-609	Weapons Range Firing Line	Security	NA	NA	NA	NA

**Appendix A**  
**LMITCO Site Legacy Sample Information**

BUILDING/TEMPORARY STRUCTURE	BUILDING/TEMPORARY STRUCTURE DESCRIPTION	CURRENT USE	NUMBER OF SAMPLES IDENTIFIED	INITIAL FACILITIES WALKED DOWN BY SMT	ON BASELINE ASSESSMENT LIST	LSDP VERIFICATION WALKDOWN
B21-610	Firing Line Cover 5	Security	NA	NA	NA	NA
B21-612	CFA Landfill Trailer	Offices				X
B23-602	Taylor Generator Building	Vacant				
B27-601	Generator Building, Main	Service				
B27-602	E. Portland Guardhouse	Vacant				X
B27-603	Security Badging Facility	Offices				
B27-604	Bus Passenger Shelter	Service				
B27-605	Deep Well Pumphouse	Pumphouse				
B8-601	Generator Building, Lincoln	Utility				
B8-602	Lincoln Guardhouse	Guardhouse				
BUS BARN, NW	TM-24	Tires, tubes, wheels (unused supplies)				X
BUS BARN, NW	TM-25	Misc. tools & supplies (equipment) storage				X
CF 1601	Chlorine Injection Facility	Service				
CF 1602	Hydrant & Standpipe Facility	Service				
CF 1603	Fire Water Pumphouse	Pumphouse				X
CF 1605	CFA Waste Water Lab	Laboratories & Offices				
CF 1606	CFA Training Facility	Training supplies, props (equipment) storage				
CF 1606	TM-304	Training supplies, props (equipment) storage				X
CF 1606	TM-305	Training supplies, props (equipment) storage				X
CF 1607	Anti-Freeze and Oil Dispensing Building	Storage				
CF 1608	Office	Offices				
CF 1609	Office	Offices		X		X
CF 1610	Office	Offices				X
CF 1611	INEL Emergency Response Facility (new)	Offices & Service				X
CF 1612	INEL Medical Facility (new)	Service				X
CF 1613	Chlorination Injection Facility	Service				
CF 1614	Fire Training Facility (new)	Training				X
CF 1656 & CF 698 (BETWEEN)	TM-48	Misc. tools & supplies (equipment) storage				X
CF 601/601B	Warehouse	Storage & Offices		X		X

**Appendix A**  
**LMITCO Site Legacy Sample Information**

BUILDING/TEMPORARY STRUCTURE	BUILDING/TEMPORARY STRUCTURE DESCRIPTION	CURRENT USE	NUMBER OF SAMPLES IDENTIFIED	INITIAL FACILITIES WALKED DOWN BY SMT	ON BASELINE ASSESSMENT LIST	LSDP VERIFICATION WALKDOWN
CF 602	Field Engineer & Materials Test Laboratory	Offices & Laboratories	172			X
CF 603	Dispensary	Offices & Dispensary				X
CF 604/604B	Emergency Generator	Vacant				
CF 605	Materials Testing Laboratory	Laboratory			X	
CF 606	Office	Vacant				X
CF 607	Office	Offices		X		X
CF 608	Security Helicopter Facility	Service				
CF-608 & CF-609, NW	TM-6	Training supplies, props (equipment) storage				X
CF-608 & CF-609, NW	TM-7	Misc. tools & supplies (equipment) storage				X
CF-608 & CF-609, NW	TM-8	Misc. tools & supplies (equipment) storage				X
CF-608 & CF-609, NW	TM-9	Administrative files storage				X
CF 608, SE	TM-1	Haz Mat Response Material (equipment) storage				X
CF 608, SE	TM-2	Oxygen Bottle, Spill Response Material (equipment) storage				X
CF 608, SE	TM-3	Misc. tools & supplies (equipment) storage				X
CF 608, SE	TM-4	Used Oil Storage (potential legacy waste)				X
CF 608, SE	TM-5	Misc. tools & supplies (equipment) storage				X
CF 609	Security Headquarters	Offices & Training		X		X
CF 609, NW	TM-10	Misc. tools & supplies (equipment) storage				X

**Appendix A**  
**LMITCO Site Legacy Sample Information**

BUILDING/TEMPORARY STRUCTURE	BUILDING/TEMPORARY STRUCTURE DESCRIPTION	CURRENT USE	NUMBER OF SAMPLES IDENTIFIED	INITIAL FACILITIES WALKED DOWN BY SMT	ON BASELINE ASSESSMENT LIST	LSDP VERIFICATION WALKDOWN
CF 609, NW	TM-11	Training supplies, props (equipment) storage				X
CF 612	Office Building, with labs	Offices, Training, & Laboratory	5538			X
CF 613	Bunkhouse	Vacant			X	X
CF 614	Office Building	Offices				X
CF 615	Office Building	Offices				X
CF 616	(NOAA) Landlord Storage	DOE	NA	X	NA	NA
CF 617	Laundry Decontamination Facility	Vacant		X		
CF 619	Equipment Building	Utility			X	X
CF 621	Multicraft Shop No. 1	Services & Offices		X		X
CF 621	TM-28	Rail Road Maintenance tools (equipment) storage				X
CF 622	Multicraft Shop No. 2	Service		X		X
CF 622	TM-26	Asbestos Abatement (equipment) storage				X
CF 622	TM-27	Electrician equipment & tools (equipment) storage				X
CF 623	Multicraft Shop No. 3	Service		X		X
CF 624	Multicraft Shop No. 4	Services & Offices		X		X
CF-352, NW	TM-44	Environmental Monitoring (equipment) storage				X
CF-352, NW	TM-45	Labatory equipment storage				X
CF-352, NW	TM-46	Laboratory equipment storag				X
CF-352, NW	TM-47	Unknown				X
CF 625A/B & 2	CFA Laboratory Complex No. 1 & 2	Light Laboratories & Offices	86	X		X
CF 629	Office Building	Offices		X		X
CF 632	Boiler Operations Lunch Room	Services & Offices			X	X
CF 633	Instrumentation Laboratory Chemistry Laboratory. High Bay Addition	Light Laboratories & Offices	4			X
CF 633	TM-31	Laboratory equipment storag				X

**Appendix A**  
**LMITCO Site Legacy Sample Information**

BUILDING/TEMPORARY STRUCTURE	BUILDING/TEMPORARY STRUCTURE DESCRIPTION	CURRENT USE	NUMBER OF SAMPLES IDENTIFIED	INITIAL FACILITIES WALKED DOWN BY SMT	ON BASELINE ASSESSMENT LIST	LSDP VERIFICATION WALKDOWN
CF 633	TM-32	Misc. tools & supplies (equipment) storage				X
CF 633	TM-33	Misc. tools & supplies (equipment) storage				X
CF 633, E	TM-29	ER Legacy samples	244			X
CF 633, E	TM-30	ER Legacy samples	285			X
CF 635	Storage	Storage			X	X
CF 637	Hazardous Waste Storage Facility	Storage		X	X	TSDF
CF 638	Dosimetry Calibration Lab	Light Laboratory	5		X	X
CF 638, SW	TM-42	Air cable & canisters (equipment) storage				X
CF 639	Ammunition Storage	Security Storage	NA	NA	X	NA
CF 640	Storage and Sling Tester	Storage			X	
CF 641	Potable H <sub>2</sub> O Pumphouse	Pumphouse			X	
CF 642	Deep Well No. 2 Pumphouse	Pumphouse			X	
CF 643	Office	Offices				
CF 645	Service Station Island Pumphouse	Vacant			X	
CF 646	Storage	Storage			X	X
CF 649	Storage	Storage			X	X
CF 650	Heating Plant	Utility			X	X
CF 651	Deep Well No. 1 Pumphouse	Pumphouse			X	
CF 652	Office	Offices				
CF 654	Landlord Craft Operations & Gas Bottle Storage	Storage		X		X
CF 655	Office	Offices			X	
CF 656	Storage	Storage			X	X
CF 657	Septic Tank Pumphouse	Pumphouse			X	
CF 660	Bus Driver & Equipment Operator Office Lounge Extension	Service Upgrad		X		X
CF 661	Material Staging Area	Storage		X		X
CF 661	TM-61	Misc. tools & supplies (equipment) storage				X

**Appendix A**  
**LMITCO Site Legacy Sample Information**

BUILDING/TEMPORARY STRUCTURE	BUILDING/TEMPORARY STRUCTURE DESCRIPTION	CURRENT USE	NUMBER OF SAMPLES IDENTIFIED	INITIAL FACILITIES WALKED DOWN BY SMT	ON BASELINE ASSESSMENT LIST	LSDP VERIFICATION WALKDOWN
CF 661	TM-62	Used Oil Storage (potential legacy waste)				X
CF-661, SW	TM-43	Potential Legacy Waste				X
CF 662	Cafeteria	Service		X		
CF 663	Lithologic Core Storage Library	Storage				X
CF 664	Service Station	Vacant		X		
CF 664	TM-22	Misc. tools & supplies (equipment) storage				X
CF 664, NW	TM-23	Plumbing supplies (equipment) storage				X
CF 665	Equipment Repair	Vacant		X		X
CF 666	Fire Station	Services & Offices		X		X
CF 667	Weld Shop	Storage			X	X
CF 668	Communications Building	Services & Offices				X
CF 671	Boiler House Heating Plant	Service			X	X
CF 672	Tire Warehouse (Annex to CF 665)	Vacant			X	
CF 673	Storage	Vacant			X	
CF 674/674A	Excessed Property/Furniture Warehouse	Storage & Offices		X		
CF 675	Generator Building	Service			X	
CF 676	DOE Equipment Storage	DOE Storage	NA	NA	X	NA
CF 676, W	TM-15	Records & equipment storage				X
CF 676, W	TM-16	Misc. tools & supplies (equipment) storage				X
CF 677	Fuel Pumphouse	Vacant			X	
CF 678	Storage	Storage			X	X
CF 679	Old Generator Building for Fire Station	Service			X	X
CF 680	Generator Building	Vacant			X	X
CF 681	Substation Control House	Substation		X		
CF 682	Pumphouse	Pumphouse			X	
CF 684	Flammable Storage (paint)	Storage			X	X
CF 684	TM-63	SAA (managed waste)				X
CF 685	Bus Depot	Service		X		X
CF 686	CFA High Bay (688)	Light Laboratory			X	X
CF 687	Lead Storage	Vacant			X	TSDF

**Appendix A**  
**LIMITCO Site Legacy Sample Information**

BUILDING/TEMPORARY STRUCTURE	BUILDING/TEMPORARY STRUCTURE DESCRIPTION	CURRENT USE	NUMBER OF SAMPLES IDENTIFIED	INITIAL FACILITIES WALKED DOWN BY SMT	ON BASELINE ASSESSMENT LIST	LSDP VERIFICATION WALKDOWN
CF 688	Technical Center (now joined to CF 689)	Offices & Light Laboratory				X
CF 689	Technical Center (now joined to CF 688)	Offices & Light Laboratory	370	X		X
CF 690	Radiological & Environmental Sciences Lab	Offices & Light Laboratory				BASEMENT TUNNEL
CF 691	Sewage Plant	STP			X	
CF 691	TM-41	Environmental Monitoring (equipment) storage				X
CF 692	Scalehouse	Service			X	X
CF 695	Fire Safety Equipment Storage	Storage & Offices		X		X
CF 696	Small Storage Building	Offices & Vehicle Maintenance			X	X
CF 696, N	TM-12	Empty				X
CF 696, N	TM-13	Empty				X
CF 697	Equipment Storage	Storage			X	X
CF 697	TM-241	Misc. tools & supplies (equipment) storage				X
CF 697, RMA-660	TM-39	Combustible rad (potential legacy waste) storage				X
CF 697, RMA-660	TM-60	Combustible rad (potential legacy waste) storage				X
CF 697, SE	TM-17	Misc. tools & supplies (equipment) storage				X
CF 697, SE	TM-18	Misc. tools & supplies (equipment) storage				X
CF 697, SE	TM-19	Misc. tools & supplies (equipment) storage				X
CF 697, SE	TM-20	Misc. tools & supplies (equipment) storage				X
CF 698	Standards Calibration Laboratory	Offices & Light Laboratory	0			X
CF 701	CFA Landfill	Landfill			X	
CF 702	Weather Station Farm	Service			X	

**Appendix A**  
**LIMITCO Site Legacy Sample Information**

BUILDING/TEMPORARY STRUCTURE	BUILDING/TEMPORARY STRUCTURE DESCRIPTION	CURRENT USE	NUMBER OF SAMPLES IDENTIFIED	INITIAL FACILITIES WALKED DOWN BY SMT	ON BASELINE ASSESSMENT LIST	LSDP VERIFICATION WALKDOWN
CF 703	Microwave Tower	Service			X	
CF 704	Concussion Wall	Service			X	X
CF 705	Radio Antenna	Service			X	X
CF 710	CFA Loading Dock	Service			X	
CF 711	CFA Loading Dock	Service			X	
CF 712	Water Pumping Station	Service			X	
CF 717	Sewage Lift Station Backout	Service			X	
CF 722	Security Munitions Bunker	Security	NA	NA	X	NA
CF 730	Tank, Fuel Oil	Tank Storage			X	X
CF 766	Sewage Treatment Plant	STP			X	
CF 774	Bus Cleaning Stations	Service			X	
CF Landfill	TM-34	Misc. tools & supplies (equipment) storage				X
CF Landfill	TM-35	Misc. tools & supplies (equipment) storage				X
CF Landfill	TM-36	Misc. tools & supplies (equipment) storage				X
CF Landfill	TM-37	Misc. tools & supplies (equipment) storage				X
CF Landfill	TM-38	Misc. tools & supplies (equipment) storage				X
CF Landfill	TM-39	Employee Lockers (change room)				X
CF Landfill	TM-40	Misc. tools & supplies (equipment) storage				X
CF 674, S	TM-14	Empty				X
CF 684, N	TM-64	SAA (managed waste)				X
CPP (Birch & Pondersa)	TM-127 (TB-56)	Misc. product storage				X
CPP (Birch & Pondersa)	TM-128 (TB-57)	Misc. product storage				X
CPP (Birch & Pondersa)	TM-129 (TB-58)	Misc. product storage				X
CPP 1601	Coal-Fired Plant Storage Pad #1	Storage				X

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CPP 1602	Coal-Fired Plant Storage Pad #2	Storage				X
CPP 1603	Guard Station #2	Guard Station				
CPP 1604	Office Building #4	Offices		X		
CPP 1605	Engineering Support Building	Offices		X		
CPP 1606	Controlled Storage Warehouse	Storage	1004	X		X
CPP 1607	Automatic Foam Fire Protection Building	Storage		X		
CPP 1608	Contaminated Equipment Storage & Manipulator Repair	Storage & Repair Shop	91	X		X
CPP 1609	Guard House #3	Guard Station		X		
CPP 1610	Salt Pit Control House	Shelter		X		
CPP 1611	Pond 327 Pumphouse	Pumphouse		X		
CPP 1612	Pond 326 Pumphouse	Pumphouse		X		
CPP 1614	FAST Acid Transfer Pumphouse	Pumphouse				
CPP 1615	Equipment Building for 7th Bin Set	Storage				X
CPP 1616	Glass Shop Storage Building	Storage				
CPP 1617	Waste Staging Facility	Storage	86	X		TSDF
CPP 1618	Liquid Effluent Treatment & Disposal Facility	Storage	4	X		X
CPP 1619	Hazardous Chemical & Radioactive Waste Storage Facility	Storage	116	X		X
CPP 1619, N	TM-157 (TB-41A)	Misc. tools & supplies (equipment) storage				X
CPP 1619, N	TM-158 (TB-41B)	Unknown				
CPP 1619, N	TM-159 (TB-41C)	Unknown				
CPP 1619, N	TM-160 (TB-44)	Misc. tools & supplies (equipment) storage				X
CPP 1619, N	TM-161	Misc. product storage				X
CPP 1619, W	TM-81	Empty				X
CPP 1619, W	TM-82	Empty				X
CPP 1619, W	TM-83	Empty				X
CPP 1619, W	TM-84	Empty				X
CPP 1619, W	TM-85	Empty				X
CPP 1619, W	TM-86	Empty				X

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CPP 1619, W	TM-87	Empty				X
CPP 1619, W	TM-88	Empty				X
CPP 1619, W	TM-89	Empty				X
CPP 1619, W	TM-90	Empty				X
CPP 1619, W	TM-91	Empty				X
CPP 1619, W	TM-92	Empty				X
CPP 1619, W	TM-93	Empty				X
CPP 1619, W	TM-94	Empty				X
CPP 1619, W	TM-95	Empty				X
CPP 1619, W	TM-96	Empty				X
CPP 1619, W	TM-97	Empty				X
CPP 1619, W	TM-98	Empty				X
CPP 1619, W	TM-99	Empty				X
CPP 1619, W	TM-100	Empty				X
CPP 1619, W	TM-101	Empty				X
CPP 1619, W	TM-102	Empty				X
CPP 1619, W	TM-103	Empty				X
CPP 1619, W	TM-104	Empty				X
CPP 1619, W	TM-105	Empty				X
CPP 1619, W	TM-106	Empty				X
CPP 1619, W	TM-107	Empty				X
CPP 1619, W	TM-108	Empty				X
CPP 1619, W	TM-109	Empty				X
CPP 1619, W	TM-110	Empty				X
CPP 1619, W	TM-111	Empty				X
CPP 1619, W	TM-112	Empty				X
CPP 1619, W	TM-113	Empty				X
CPP 1621, N	TM-192	Unknown				
CPP 1621, N	TM-193 (TB-61)	Misc. training equipment storage				X
CPP 1630	Fire Protection Building	Storage		X		
CPP 1631	Production Computer Support Building	Offices		X		
CPP 1634	Development & Support Facility	Process		X		X
CPP 1635	Hazardous Chemical Storage Facility	Service		X		
CPP 1636	FPR Contractor's Warehouse	Storage		X		X
CPP 1637	FPR Weld Fabrication Shop	Storage		X		X
CPP 1638	FPR Parts Warehouse	Storage		X		X
CPP 1642	Fire Pumphouse	Pumphouse		X		
CPP 1643	Fire Pumphouse	Pumphouse		X		
CPP 1644	Bulk Chemical Unloading	Service		X		X
CPP 1645	Office Building	Offices		X		X
CPP 1646	Anti-C Safety Handling Equipment Facility	Storage		X		

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CPP 1647	Deminerilizer Waste Neutralizing Facility	Process		X		X
CPP 1648	Office Building	Offices				X
CPP 1649	Health Physics Instrument Storage & Maintenance Facility	Storage		X		
CPP 1650	Training Support Facility	Training		X		X
CPP 1651	Operations Training Facility	Training & Offices		X		
CPP 1653	FPR Subcontractor Warehouse	Storage	2101			X
CPP 1656	Comstock Office/Warehouse	Storage				
CPP 1657	Hazardous Waste Temporary Accumulation Area	Storage		X		TSDF
CPP 1659	Contaminated Equipment Maintenance Building	Maintenance				
CPP 1662	Remote Inspection Engineering Facility	Pilot Plant		X		X
CPP 1162, E	TM-188	Potential Legacy Waste				X
CPP 1162, E	TM-189	Misc. tools & supplies (equipment) storage				X
CPP 1162, E	TM-190 (TB-55& RUBB)	ER Legacy samples	1441			X
CPP 1162, E	TM-191 (B-62)	ER Legacy samples	517			X
CPP 1663	Security & Fire Protection Support Facility	Maintenance	6			X
CPP 1666	Tank Farm Support Facility	Offices				
CPP 1671	ICPP Protective Force Support Facility	Training & Offices		X		
CPP 1672	MK	Monitoring				
CPP 1673	Utility Control Center	Service				
CPP 1676	Oil Hazardous Materials Building	Storage		X		X
CPP 1677	Change Room Facility	Change Room		X		
CPP 1678	Contractor Lunch Room (Tank Farm Support)	Lunch room/shop				
CPP 1678, SE	TM-179 (TB-52)	Unknown				
CPP 1678, SE	TM-180 (TB-53)	Misc. tools & supplies (equipment) storage		X		
CPP 1681	Box Staging Area	Storage				X
CPP 1682	Kerosene Pumphouse	Pumphouse		X		
CPP 1683	Unknown	Unknown				X

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CPP 1738	Unknown	Unknown				X
CPP 601	Fuel Processing Building	Process	3	X		X
CPP 601	TM-164 (CC-29)	Misc. tools & supplies (equipment) storage				X
CPP 601	TM-165	Misc. tools & supplies (equipment) storage				X
CPP 601	TM-166	Misc. tools & supplies (equipment) storage				X
CPP 601	TM-167	Misc. tools & supplies (equipment) storage				X
CPP 601	TM-168	Misc. tools & supplies (equipment) storage				X
CPP 601	TM-169	Misc. tools & supplies (equipment) storage				X
CPP 601	TM-170	Misc. tools & supplies (equipment) storage				X
CPP 601	TM-171	Misc. tools & supplies (equipment) storage				X
CPP 601	TM-172	Misc. tools & supplies (equipment) storage				X
CPP 602	Laboratory, Office, & Denitrator Building	Offices & Light Laboratory	450	X		X
CPP 603	Irradiated Fuel Storage Facility	Storage		X		X
CPP 603	TM-114 (TB-24)	Misc. product storage				X
CPP 603	TM-115 (TB-25)	Misc. tools & supplies (equipment) storage				X
CPP 603	TM-116 (TB-26)	Empty				X

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CPP 603	TM-117 (TB-27)	Misc. tools & supplies (equipment) storage				X
CPP 603	TM-118 (TB-28)	Misc. tools & supplies (equipment) storage				X
CPP 603	TM-119 (TB-29)	Misc. tools & supplies (equipment) storage				X
CPP 603	TM-120 (TB-30)	Misc. product storage				X
CPP 603, SW	TM-125	Unknown				
CPP 603, W	TM-121	Unknown				
CPP 603, W	TM-122	Misc. product storage				X
CPP 603, W	TM-123	Misc. product storage				X
CPP 603, W	TM-124	Misc. tools & supplies (equipment) storage				X
CPP 604-604B	Waste Treatment Building	Process	78	X		X
CPP 605	Blower Building	Service		X		X
CPP 606	Service Building Power House	Utility		X		X
CPP 608	Storage Building	Storage		X		X
CPP 608, N	TM-152 (TB-46)	Misc. tools & supplies (equipment) storage				X
CPP 609	Hazardous Material Shipment/Receipt Office	Offices		X		X
CPP 611	Pump House Deep Well #1	Pumphouse		X		
CPP 612	Pump House Deep Well #2	Pumphouse		X		
CPP 614	Pumphouse for Diesel-driven Fire Pump	Pumphouse		X		
CPP 615	Waste Water Treatment Plant Control House	Service	1	X		
CPP 616	Emergency Air Compressor Building	Storage		X		
CPP 617	Butler Building	Storage		X		X
CPP 617, E	TM-163 (TB-35)	Misc. tools & supplies (equipment) storage				X
CPP 618	Measurement & Control Building	Monitoring		X		

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CPP 619	Waste Storage Control House	Process		X		
CPP 620A/B	HCWHNF	Laboratory & Storage				TSDF
CPP 621	Chemical Storage Pump House	Storage		X		X
CPP 622	Instrument House Tank Farm Area	Monitoring		X		
CPP 623	Instrument House Tank Farm Area	Monitoring		X		
CPP 625	Rectifier Building	Process		X		
CPP 626	CPP 603 Storage Basin Change Room	Lunch room/shop				X
CPP 627	Remote Analytical Facility	Laboratory	9	X		X
CPP 628	Tank Farm Waste Storage Control House	Storage		X		
CPP 629	FPR Contractor Office Building	Offices				
CPP 630	Safety & Spectrometry Building	Training, Laboratory, & Offices	149	X		X
CPP 631	Rala Process L Cell Off-gas Blower Room	Vacant		X		
CPP 632	Instrument House Tank Farm Area	Monitoring		X		
CPP 633	Waste Calciner Facility	Process		X		TSDF
CPP 634	Waste Storage Pipe Manifold Building	Service		X		
CPP 635	Waste Storage Pipe Manifold Building	Service		X		
CPP 636	Waste Storage Pipe Manifold Building	Service		X		
CPP 637	Process Improvement Facility	Offices & Laboratories	1817	X		X
CPP 638	Waste Station (WM-180) Shielded Tank Transfer Building	Vacant		X		
CPP 639	Waste Calciner Facility Blower Building	Service		X		
CPP 640	CPR Head End Process Plant	Vacant	2	X		X
CPP 641	West Side Waste Holdup Tank Pump House	Vacant		X		
CPP 642	Hot Waste Pumphouse & Pit	Pumphouse		X		
CPP 644	CPP Emergency Power Building	Service		X		
CPP 645	Office Building	Office		X		
CPP 646	Instrument Building	Monitoring		X		
CPP 647	Instrument Building	Monitoring		X		

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CPP 648	Basin Sludge Tank Control House	Process		X		X
CPP 649	Atmospheric Protection Building	Process		X		
CPP 650	Breathing Air Compressor Building	Vacant		X		
CPP 651	Unirradiated Fuels Storage Facility	Storage		X		X
CPP 652	Cafeteria	Service & Offices		X		X
CPP 653	Cold Waste Handling Facility	Process	1	X		X
CPP 654	Spares Warehouse	Storage & Offices		X		X
CPP 654, NE	TM-181 (TB-64)	Misc. tools & supplies (equipment) storage				X
CPP 654, NE	TM-182 (TB-47)	Misc. tools & supplies (equipment) storage	0			X
CPP 654, NE	TM-183 (TB6-63 & -48)	Misc. tools & supplies (equipment) storage	0			X
CPP 654, NE	TM-184 (TB-65)	Misc. tools & supplies (equipment) storage				X
CPP 654, NE	TM-187 (TB-54)	Misc. tools & supplies (equipment) storage				X
CPP 655	Craft Shop & Warehouse Building	Storage		X		X
CPP 656	Office Building	Offices		X		X
CPP 657/A	Safeguards Office Building	Security		X		
CPP 658	Instrument Building	Monitoring		X		
CPP 659	New Waste Calcining Facility	Process				TSDF
CPP 660	Chemical & Hazardous Material Storage Building	Storage	1	X		X
CPP 661	Guard Station #1	Guard Station				X
CPP 662	Maintenance Fabrication Shop	Maintenance		X		X
CPP 662, W	TM-194	Misc. tools & supplies (equipment) storage				X

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CPP 662, W	TM-195	Misc. tools & supplies (equipment) storage				X
CPP 662, W	TM-196	Misc. tools & supplies (equipment) storage				X
CPP 662, W	TM-197	Misc. tools & supplies (equipment) storage				X
CPP 662, W	TM-198	Misc. tools & supplies (equipment) storage				X
CPP 663	Maintenance Building	Maintenance		X		X
CPP 664	Plant Services	Offices		X		X
CPP 665	Office Building	Offices		X		X
CPP 666	FAST/FDP Facility	Process	4			X
CPP 666, E	TM-141 (TB-13)	Misc. tools & supplies (equipment) storage				X
CPP 666, E	TM-142 (TB-14)	Misc. tools & supplies (equipment) storage				X
CPP 666, E	TM-143 (TB-15)	Misc. tools & supplies (equipment) storage				X
CPP 666, E	TM-144 (TB-16)	Misc. tools & supplies (equipment) storage				X
CPP 666, E	TM-145 (TB-17)	Misc. tools & supplies (equipment) storage				X
CPP 666, E	TM-146 (TB-18)	Misc. tools & supplies (equipment) storage				X
CPP 666, E	TM-147	Used oils (managed waste)				X
CPP 666, E	TM-148	Used oils (managed waste)				X
CPP 666, E	TM-149	Empty				X
CPP 666, E	TM-150	Used oils (managed waste)				X

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CPP 666, E	TM-151 (TB-50)	Misc. product storage				X
CPP 666, E	TM-152 (TB-51)	Unknown				
CPP 666, E	TM-153 (TB-59)	Potential Legacy Waste				X
CPP 666, E	TM-154 (TB-22)	Misc. tools & supplies (equipment) storage				X
CPP 666, E	TM-155 (TB-42)	Misc. tools & supplies (equipment) storage				X
CPP 666, E	TM-156	Unknown				
CPP 666, S	TM-134 (TB-22)	Potential Legacy Waste				X
CPP 666, S	TM-135 (TB-43)	Misc. tools & supplies (equipment) storage				X
CPP 666, S	TM-136 (TB-36)	Unknown				
CPP 666, S	TM-137 (TB-37)	Unknown				
CPP 666, S	TM-138 (TB-38)	Unknown				
CPP 666, S	TM-139	Potential Legacy Waste				X
CPP 666, S	TM-140	Potential Legacy Waste				X
CPP 666, SW	TM-130 (TB-21)	Legacy Samples & product storage	51			X
CPP 666, SW	TM-131 (TB-12)	Misc. product storage				X
CPP 666, SW	TM-132 (TB-20)	Legacy Samples	17			X
CPP 666, SW	TM-133 (TB-11)	Misc. product storage				X
CPP 667	WCF Office Building #2	Offices		X		
CPP 668	Office Building #2	Offices	57	X		X
CPP 669	Main Gate House Guard Post	Guard Station		X		X
CPP 671	Instrument Building for 5th Set Calcined Solids Storage	Storage		X		
CPP 672	Contaminated Tool Storage Building	Storage		X		
CPP 672, E	TM-199	Misc. tools & supplies (equipment) storage				X
CPP 673	Service Building for 6th Set Calcined Solids Storage B	Storage		X		
CPP 674	UREP Substation #40 Control House	Substation		X		

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CPP 675	UREP Substation #30 Control House	Substation		X		
CPP 676	UREP Load Center Control House #1	Service		X		
CPP 677	UREP Load Center Control House #2	Service		X		
CPP 678	UREP Load Center Control House #3	Service		X		
CPP 679	Craft Shop	Shop		X		
CPP 680	Metal Storage Shed	Storage				
CPP 681	Effluent Monitoring/Environmental Science Equipment Storage	Storage		X		X
CPP 682	ES&S Emergency Equipment Shop	Storage		X		
CPP 683	Breathing Air Charging Station	Vacant		X		
CPP 684	Remote Analytical Lab	Laboratory	117	X		X
CPP 685	Data Acquisition Shelter	Storage		X		X
CPP 686	Safeguards & Security Office Building	Offices				
CPP 687	Coal-Fired Plant Boiler House	Utility		X		X
CPP 688	Coal-Fired Plant Unloading Building	Process		X		
CPP 689	Coal-Fired Plant Gate House	Service		X		
CPP 690	Coal-Fired Plant Mobile Equipment Storage	Storage		X		X
CPP 691	FPR Fuel Processing Restoration Building	Storage		X		
CPP 692	Waste Stack Instrument Building	Monitoring		X		
CPP 693	Yardman/EO Storage	Storage	22	X		X
CPP 694	NWCF Organic Solvent Disposal Building	Storage		X		
CPP 695	Quality X-Ray Facility	Process		X		
CPP 695, W	TM-173	Legacy Samples	16			X
CPP 696	Coal-Fired Plant Office Building	Offices		X		X
CPP 697	Eastside VMF Guard Station	Guard Station				X
CPP 698	Warehouse & Office Building	Offices				X
CPP 699	Training/Production Office	Training, Laboratory, & Offices				X
CPP 699, E	TM-242	Misc. tools & supplies (equipment) storage				X

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CPP 699, E	TM-243	Change Room				X
CPP 702	Old Kerosene Pump Building	Pumphouse		X		
CPP 707	Unknown	Unknown				X
CPP 709	Service Waste Monitoring Facility	Service		X		
CPP 710	Solvent Storage Building	Storage				
CPP 711	Unknown	Unknown		X		
CPP 712	Unknown	Unknown		X		
CPP 724	Unknown	Unknown				X
CPP 729	Solids Storage Vault	Storage		X		TSDF
CPP 734	Service Waste Monitoring Facility	Service				
CPP 742	Storage Vault Area	Storage		X		TSDF
CPP 744	Equipment Vault Area	Utility		X		
CPP 746	Storage Vault Area	Storage		X		TSDF
CPP 747	Equipment Vault Area	Utility		X		
CPP 749	Unknown	Unknown		X		
CPP 750	Unknown	Unknown		X		
CPP 751	Unknown	Unknown		X		
CPP 752	Unknown	Unknown		X		
CPP 754	Unknown	Unknown		X		
CPP 760	Storage Vault Area	Storage		X		TSDF
CPP 761	Equipment Vault Area	Utility		X		
CPP 765	Storage Vault Area	Storage		X		TSDF
CPP 765, SW	TM-174	Misc. product storage				X
CPP 765, SW	TM-175 (tb-67)	Misc. product storage				X
CPP 765, SW	TM-176 (TB-68)	Misc. product storage				X
CPP 765, SW	TM-177 (TB-69)	Misc. product storage				X
CPP 765, SW	TM-178 (TB-70)	Misc. product storage				X
CPP 791	Storage Vault	Storage		X		TSDF
CPP 793	Unknown	Unknown		X		
CPP 795	Storage Vault	Storage		X		TSDF
CPP 796	Unknown	Unknown		X		
CPP 797	Unknown	Unknown		X		
CPP NE T 33	TM-185	Rad Enterance Area				X
CPP NE T 33	TM-186	Change Room				X
CPP T-1	Construction Management Building	Offices				X
CPP T-2	Temporary Startup Bins Calciner Storage	Storage				

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CPP T-3	Temporary Startup Bins Calciner Storage	Storage		X		
CPP T 5	Construction Management Building	Offices				X
CPP T 10	Red Cross Building	Offices		X		
CPP T 17	Office trailer	Offices		X		
CPP T 18	Bunkhouse	Service		X		X
CPP T 19	Office Trailer	Offices		X		
CPP T 20	Office Trailer	Offices		X		
CPP T 21	Office Trailer	Offices		X		
CPP T 22	Office Trailer	Offices				
CPP T 28	Office Trailer	Vacant		X		
CPP T 29	Office Trailer	Offices		X		
CPP T 35	Office Trailer	Offices				
CPP T 39	Contractor Trailer	Offices				
CPP T40	MK Trailer	Offices				
T 42	Office trailer	Offices				
CPP T 43	Q& PA Recieving Inspecting Building	Offices		X		
CPP W PLUG STORAGE	TM-126	Misc. tools & supplies (equipment) storage				X
CPP, N OF WM-191	TM-200	Misc. tools & supplies (equipment) storage				X
CPP, N OF WM-191	TM-201	Potential Legacy Waste				X
EBR	Heat Transfer Reactor Experiment Historical Site	Historical Site				X
HPTF 601	Equipment Building	Storage				
HPTF 602	Transformer Building	Storage				
HPTF 603	Equipment Building Expansion	Storage				
IF 601	Research Office Building #1	Offices	2	X		X
IF 602	IRC Office Building	Offices		X		
IF 603	IRC Lab Building	Light Laboratory	4630	X		X
IF 604A/B	Technical Support Annex	Offices				
IF 605	Electrical Vehicle Building	Laboratory			X	
IF 606	ID-South	DOE	NA	NA	NA	NA
IF 608	INEL Supercomputer Center	Service				
IF 609	ID-North	DOE	NA	NA	NA	NA
IF 610	Landlord Storage Building	Storage			X	
IF 611	National Security Lab	Security			X	
IF 613	N. Boulevard Annex	Laboratory & Offices				X

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IF 614	May Street North	Laboratory & Offices			X	X
IF 615	May Street South	Laboratory & Offices	163			X
IF 616	Willow Creek Building	Offices	36			X
IF 617	Willow Creek Mech	Utility			X	
IF 618	University Place	Library & Offices				
IF 619	North Holmes Complex	Offices	5			X
IF 621	Woodruff Avenue Complex	Offices	144	X		X
IF 631	Bus Dispatch	Service				
IF 635	IRC Backup Fire Water Pumphouse (Bunker)	Pumphouse		X	X	
IF 638	IRC Physics Lab	Offices & Light Laboratory		X	X	X
IF 639	North Holmes Laboratory	Laboratory				X
IF 651	North Yellowstone Complex	Laboratory			X	X
IF 654	Engineering Research Office Building	Offices	34	X		X
IF 655	IRC Chemical Storage	Storage		X		X
IF 656	IRC Physics Trailer	Offices		X		
IF 657	INEL Engineering Demonstration	R&D				
IF 660	NOAA Storage Building	DOE	NA	NA	NA	NA
IF NOAA	National Oceanic & Atmospheric Administration Building, Foote Drive	DOE	NA	NA	NA	NA
IF, SOUTH	TM-260	Misc. laboratory equipment storage				X
IF, SOUTH	TM-263	Misc. monitoring equipment storage				X
IF 627	TM-262	DOE	NA	NA	NA	NA
IRC WEST	TM-244 (BB#12)	Legacy samples	43			X
IRC WEST	TM-245 (BB#10)	Misc. laboratory equipment storage				X
IRC WEST	TM-246 (BB#8)	Legacy samples & potential legacy waste	2			X
IRC WEST	TM-247 (BB#6)	Misc. laboratory equipment storage				X
IRC WEST	TM-248 (BB#4)	Misc. tools & supplies (equipment) storage				X
IRC WEST	TM-249 (BB#2)	Misc. monitoring equipment storage				X
IRC WEST	TM-250 (BB#1)	Misc. laboratory equipment storage				X

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IRC WEST	TM-251 (BB#3)	Misc. laboratory equipment storage				X
IRC WEST	TMI-252 (BB#5)	Misc. laboratory equipment storage				X
IRC WEST	TM-253 (BB#7)	Misc. laboratory equipment storage				X
IRC WEST	TM-254 (BB#9)	Misc. laboratory equipment storage				X
IRC WEST	TM-261	Misc. tools & supplies (equipment) storage				X
LOFT	Fuel Module Insertion & Recovery Cask (LOFT)	LOFT				
LOFT	Irradiated Fuel Storage Facility (LOFT)	LOFT				
LOFT	Mobile Test Assembly (LOFT)	LOFT				
LOFT, N	TM-444	Empty				X
LOFT, N	TM-445	Empty				X
LOFT, N	TM-446	Empty				X
LOFT, N	TM-447	Empty				X
LOFT, N	TM-448	Empty				X
LOFT, N	TM-449	Empty				X
LOFT, N	TM-450	Misc. tools & supplies (equipment) storage				X
MWSF, S	TM-338	Combustible Waste (managed waste)				X
	NPR Site	Site				X
NORTH BVLD. FACILTIY SOUTH	TM-255	Misc. tools & supplies (equipment) storage				X
NORTH BVLD. FACILTIY SOUTH	TM-256	Misc. laboratory equipment storage				X
NORTH BVLD. FACILTIY SOUTH	TM-257	Misc. tools & supplies (equipment) storage				X
NORTH BVLD. FACILTIY SOUTH	TM-258	Misc. tools & supplies (equipment) storage				X

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NORTH BVLD. FACILTYY SOUTH	TM-259	Misc. laboratory equipment storage				X
MAXIM	Off-Site Sample Disposed Properly	NA	651			X
MAXIM	Shipped to CPP-1617	Storage	116			X
PBF	TMI-306	Compactible Boxes (managed waste)				X
PBF	TMI-307	Combustible Waste (managed waste)				X
PBF	TMI-308	Empty				X
PBF	TMI-309	Compactible rad (manged waste)				X
PBF	TMI-310	Empty				X
PBF 601	Control Building & Addition	Offices				X
PBF 602	Water Pumphouse	Pumphouse			X	X
PBF 604	Terminal Building	Storage			X	
PBF 606	Instrument Cell	Service			X	
PBF 608	138-k V Substation Control House	Substation			X	
PBF 609	WERF Building (PER 609)	Offices & Process	413			TSDF
PBF 612	WEDF	R&D		X		X
PBF 613	Mixed Waste Storage Facility	Storage		X	X	TSDF
PBF 614	Well No. 2 Pumphouse	Pumphouse			X	
PBF 616	Storage Building	Storage			X	X
PBF 617	Storage Building	Storage			X	X
PBF 619	PBF Control Building	Service				X
PBF 620	Reactor Building	Storage	1			X
PBF 621	Emergency Generator Building	Service			X	X
PBF 622	WERF Metal Processing Facility	Process			X	TSDF
PBF 623	Radioactive Mixed Waste Storage Facility	Storage			X	TSDF
PBF 624	Auxiliary Building	Service			X	X
PBF 625	Maintenance & Storage Building	Service			X	X
PBF 626	Water Pumphouse	Pumphouse		X	X	X
PBF 627	Gas Cylinder Storage	Storage			X	
PBF 629	PBF Stack Gas Monitor Building	Service			X	
PBF 632	PBF Support Building	Offices				X

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PBF 634	Firewater Pumphouse Building	Pumphouse			X	X
PBF 635	Waste Storage & Handling Building	Storage & Process			X	TSDF
PBF 638	Water Pumphouse	Pumphouse		X		
PBF 640/640B	Portable Water Treatment Unit	Storage & Process				TSDF
PBF 641	Modular Office Building	Offices				
PBF 642	Portable Water Treatment Unit	Utility				
PBF 761	Spray Dryer Absorber Structural Support	Service			X	
PER 612	TM-327	Empty Boxes				X
PER 612	TM-328	Empty Boxes				X
PER 612	TM-329	Empty Boxes				X
PER 612, E	TM-330	Bottled Water				X
RWMC	TM-264	Misc. tools & supplies (equipment) storage				X
RWMC	TM-265	Misc. tools & supplies (equipment) storage				X
RWMC	TM-266	Misc. product storage				X
RWMC	TM-267	TAA (PCBs) RMA (managed waste)				X
RWMC	TM-268	Misc. tools & supplies (equipment) storage				X
RWMC	TM-269	Misc. tools & supplies (equipment) storage				X
RWMC	TM-270	Misc. tools & supplies (equipment) storage				X
RWMC	TM-271	Unknown				
RWMC	TM-272	Unknown				
RWMC	TM-273	Unknown				
RWMC	TM-274	Misc. tools & supplies (equipment) storage				X
RWMC	TM-275	Misc. product storage				X

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RWMC	TM-276	Misc. tools & supplies (equipment) storage				X
RWMC	TM-277	Misc. tools & supplies (equipment) storage				X
RWMC	TM-278	Misc. product storage				X
RWMC	TM-279	Unknown				X
RWMC	TM-280	Misc. tools & supplies (equipment) storage				X
RWMC	TM-281	Misc. tools & supplies (equipment) storage				X
RWMC	TM-282	LLW Combustible (managed waste)				X
RWMC	TM-283	LLW Combustible (managed waste)				X
RWMC	TM-284	Noncompactible Solid Waste (managed waste)				X
RWMC	TM-285	Misc. tools & supplies (equipment) storage				X
RWMC	TM-286	Misc. tools & supplies (equipment) storage				X
RWMC WEST STORAGE AREA	TM-295	Misc. tools & supplies (equipment) storage				X
RWMC WEST STORAGE AREA	TM-296	Potential Legacy Waste				X
RWMC WEST STORAGE AREA	TM-297	Potential Legacy Waste				X
RWMC WEST STORAGE AREA	TM-298	Potential Legacy Waste				X
RWMC WEST STORAGE AREA	TM-299	Empty				X

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RWMC WEST STORAGE AREA	TM-300	Potential Legacy Waste				X
RWMC WEST STORAGE AREA	TM-301	Misc. tools & supplies (equipment) storage				X
RWMC WEST STORAGE AREA	TM-302	Misc. tools & supplies (equipment) storage				X
RWMC WEST STORAGE AREA	TM-303	Empty				X
RWMC BWID	TM-457	Misc. tools & supplies (equipment) storage				X
RWMC BWID	TM-458	Misc. tools & supplies (equipment) storage				X
RWMC BWID	TM-459	Potential Legacy Waste				X
RWMC BWID	TM-460	Legacy samples	377			X
RWMC ILTSF	TN-287	Misc. product storage	1			X
RWMC ILTSF	TN-288	Unknown				
RWMC ILTSF	TN-289	Unknown				
RWMC ILTSF	TN-290	Misc. tools & supplies (equipment) storage				X
RWMC WEST TSARE	TN-291	Unknown				X
RWMC WEST TSARE	TN-292	Unknown				X
RWMC WEST TSARE	TN-293	Potential Legacy Waste				X
RWMC WEST TSARE	TN-294	Unknown				
SMC	TM-231	Legacy samples	639			X
SMC	TM-232	Misc. tools & supplies (equipment) storage				X
SMC	TM-233	Misc. tools & supplies (equipment) storage				X
SMC	TM-381	Empty				X

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SMC	TM-382	Empty				X
SMC	TM-383	Misc. tools & supplies (equipment) storage				X
SMC	TM-384	Empty				X
SMC	TM-385	Potential Legacy Waste				X
SMC	TM-386	Misc. product storage				X
SMC	TM-387	Misc. tools & supplies (equipment) storage				X
SMC	TM-388	Misc. tools & supplies (equipment) storage				X
SMC	TM-389	Misc. tools & supplies (equipment) storage				X
SMC	TM-390	Used oils (managed waste)				X
SMC	TM-391	Rad waste storage (managed waste)				X
SMC	TM-392	Rad waste storage (managed waste)				X
SMC	TM-393	Misc. tools & supplies (equipment) storage				X
SMC	TM-394	Compatibile (manged waste)				X
SMC	TM-395	Compatibile (manged waste)				X
SMC	TM-396	Compatibile (manged waste)				X
SMC	TM-397	Used oils (managed waste)				X
SMC	TM-398	Misc. product storage				X
SMC	TM-399	Misc. tools & supplies (equipment) storage				X
SMC	TM-400	Nonhazardous Rad Waste (managed waste)				X

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SMC	TM-408	Nonhazardous waste (managed waste)				X
SMC	TM-409	Nonhazardous waste (managed waste)				X
SMC	TM-410	Used oils (managed waste)				X
SMC	TM-411	Compatibile (manged waste)				X
SMC	TM-412	Misc. tools & supplies (equipment) storage				X
SMC	TM-413	Misc. tools & supplies (equipment) storage				X
SMC	TM-414	Misc. tools & supplies (equipment) storage				X
SMC	TM-415	Excess chemicals (managed waste)				X
SMC	TM-416	Misc. tools & supplies (equipment) storage				X
SMC	TM-418	Misc. tools & supplies (equipment) storage				X
SMC	TM-419	Misc. tools & supplies (equipment) storage				X
SMC	TM-420	Empty				X
SMC	TM-441	Misc. tools & supplies (equipment) storage				X
SMC	TM-442	Misc. tools & supplies (equipment) storage				X
SMC	TM-451	Misc. tools & supplies (equipment) storage				X

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SMC	TM-452	Misc. tools & supplies (equipment) storage				X
SMC	TM-453	Misc. tools & supplies (equipment) storage				X
SMC	TM-454	Misc. tools & supplies (equipment) storage				X
SMC	TM-455	Misc. tools & supplies (equipment) storage				X
SMC	TM-456	Misc. tools & supplies (equipment) storage				X
SMC	TM-443	Potential Legacy Waste				X
STF 601	Security Training Facility	Training				X
STF 605	Deep Well Pumphouse	Pumphouse				
STF 610	Fuel Element Flow Test Facility	Service				
STF 611	Pumphouse	Pumphouse				
STF 612	Security Shooting House	Security				X
STI	TM-66	Misc. tools & supplies (equipment) storage				X
STI (Near Main Gate)	TM-65	Misc. tools & supplies (equipment) storage				X
TAN	TM-215	Misc. tools & supplies (equipment) storage				X
TAN	TM-216	(managed waste)				X
TAN 1601	Equipment Storage Building	Storage				
TAN 1725	IET Exhaust Filter Room	Service				X
TAN 601	Guardhouse	Guard Station		X		X
TAN 602, E	TM-225	Potential Legacy Waste				X
TAN 602/602A	Administration Building	Vacant				
TAN 603	Service Building	Service				X

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TAN 604, E	TM-222	Misc. tools & supplies (equipment) storage				X
TAN 604, E	TM-223	Misc. tools & supplies (equipment) storage				X
TAN 604/604A	Maintenance Shop	Offices & Shop		X		X
TAN 606	Maintenance Building	Shop		X		
TAN 607, NE	TM-202	Misc. tools & supplies (equipment) storage				X
TAN 607, W	TM-217	Legacy samples	66			X
TAN 607, W	TM-218	Misc. tools & supplies (equipment) storage				X
TAN 607, W	TM-219	Misc. tools & supplies (equipment) storage				X
TAN 607, W	TM-224	Misc. tools & supplies (equipment) storage				X
TAN 607/607A/607DS	Manufacturing Assembly & Hot Shop Cells	RMA & Storage	1,505			X
TAN 608	Water Filtration Building	Utility			X	
TAN 609	Equipment Maintenance Shop	Service			X	X
TAN 609, S	TM-230	Potential Legacy Waste				X
TAN 609, S	TM-234	Misc. tools & supplies (equipment) storage				X
TAN 609, S	TM-235	Misc. tools & supplies (equipment) storage				X
TAN 609, S	TM-236	Misc. tools & supplies (equipment) storage				X
TAN 609, S	TM-237	Compactible (manged waste)				X

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TAN 609, S	TM-238	Compatibile (manged waste)				X
TAN 609, S	TM-239	Combustible Waste (managed waste)				X
TAN 609, S	TM-240	Misc. tools & supplies (equipment) storage				X
TAN 610	Water Pumphouse	Pumphouse			X	
TAN 611	Fuel Pumphouse	Pumphouse			X	
TAN 612	Well No. 1 Pumphouse	Pumphouse			X	
TAN 613	Well No. 2 Pumphouse	Pumphouse			X	
TAN 613, E	TM-220	Misc. tools & supplies (equipment) storage				X
TAN 613, E	TM-221	Misc. tools & supplies (equipment) storage				X
TAN 614	Water Pumphouse	Pumphouse		X	X	
TAN 615	Assembly & Maintenance Facility	Storage		X		X
TAN 615, E	TM-211	Potential Legacy Waste				X
TAN 615, E	TM-212	Potential Legacy Waste				X
TAN 615, E	TM-213	Potential Legacy Waste				X
TAN 617	TM-206	Potential Legacy Waste				X
TAN 616	Liquid Waste Treatment Plant	Vacant	28	X	X	X
TAN 618	Data Acquisition Building	Service			X	
TAN 620	IET Control & Equipment Room	Vacant	297		X	X
TAN 623	Sewage Treatment Plant Control Building	STP			X	

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TAN 624	LOFT Containment Building Entry	Vacant			X	
TAN 625	Fuel Transfer Pumping Building	SMC	0	X		
TAN 629	SMC Assembly Building	SMC				X
TAN 630	Control & Equipment Building	Vacant			X	
TAN 631	Tank Building	Utility			X	
TAN 633	Hot Cell Annex	Process		X	X	
TAN 634	Unfinished & abandoned foundation for Diesel Generator Building	Vacant			X	
TAN 635	H&V 10 South Continuous Air Monitor	Service			X	
TAN 636	Carpentry & Paint Shop	Shop			X	X
TAN 637	Sparging Compressor Building	Vacant			X	
TAN 638	Guardhouse	Vacant			X	
TAN 639	Pumphouse	Pumphouse			X	
TAN 640	Thermal-Hydraulic Experimental Facility (THEF) Assembly & Test Building (WRRTF)	Laboratory & Test Facility			X	
TAN 641	THEF Control Building (WRRTF)	Vacant			X	
TAN 642	Gatehouse (WRRTF)	Security			X	
TAN 643	Chlorination Building (WRRTF)	Vacant			X	
TAN 645	Semiscale Control & Administration Building (WRRTF)	Offices			X	
TAN 646	Semiscale Assembly & Test Building (WRRTF)	Test Loop	6		X	
TAN 647	Containment Storage Building	Storage		X	X	X
TAN 647	TM-203	Potential Legacy Waste				X
TAN 647	TM-204	Potential Legacy Waste				X
TAN 647	TM-205	Unknown				
TAN 647	TM-206	Potential Legacy Waste				X
TAN 647, N	TM-207	Potential Legacy Waste				X
TAN 647, N	TM-208	Potential Legacy Waste				X
TAN 647, N	TM-209	Potential Legacy Waste				X
TAN 647, NW	TM-210	Legacy samples	0			X
TAN 648	PRP	Storage		X	X	X

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TAN 649	Water Filtration Building	Utility			X	
TAN 650	Containment & Service Building	Service			X	
TAN 651	Heat Stress Relief (T-28) Structure Control Building	Storage			X	
TAN 652	Fire Protection Pumphouse	Pumphouse			X	
TAN 653	Multicraft Shop	Storage		X		X
TAN 653, E	TM-226	Misc. tools & supplies (equipment) storage				X
TAN 653, E	TM-227	Misc. tools & supplies (equipment) storage				X
TAN 653, E	TM-228	Misc. tools & supplies (equipment) storage				X
TAN 653, E	TM-229	Misc. tools & supplies (equipment) storage				X
TAN 654	Metal Storage Building	Storage				
TAN 656	Change Room	Vacant			X	
TAN 657	Heat Stress Relief (T-28) Structure Control Building	Storage			X	
TAN 658	Storage (T-24)	Storage		X	X	X
TAN 659	Control Building	Vacant				
TAN 660	Maintenance Storage Staging Area	Storage			X	X
TAN 661	Turntable Control Building	Service			X	
TAN 662	Gas Cylinder & Oil Storage Area	Storage			X	
TAN 663	H&V 10 North Continuous Air Monitor Building	Service			X	
TAN 664	Automotive Service Station	Service			X	
TAN 665	Firewater Pumphouse	Pumphouse			X	
TAN 666	Radioactive Liquid Waste Transfer & Storage Building	Service		X	X	X
TAN 667	Small Machine Shop	Vacant			X	X
TAN 668	Heavy Equipment Cleaning Facility	Service		X	X	
TAN 669	Craft Shop (T-25)	Service			X	
TAN 670	Chlorine Treatment Building	Service			X	
TAN 671	Office Trailer North	Offices		X		
TAN 672	Office Trailer South	Offices				
TAN 673	Office Trailer West	Offices				

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TAN 674	Office Complex	Offices				
TAN 675	Phase I Utility Building	Utility		X		
TAN 676	Security Guard Building	Guard Station				X
TAN 677	Trucking Dock Building	Service		X		
TAN 678	Cafeteria #2	Service				X
TAN 679	Manufacturing & Assembly	SMC	14	X		
TAN 680	Bus Fuel Pump Station	Pumphouse			X	
TAN 681	Waste Treatment Building	SMC		X		
TAN 682	Storage Building	Storage		X		
TAN 683	Storage Building	Storage				
TAN 684	Storage Building	Storage				
TAN 686	Office Trailer	Offices		X		X
TAN 687	Fire Station	Service		X		X
TAN 688	Warehouse	Storage		X		
TAN 689	MK-F Trailer (T-26)	Offices			X	X
TAN 690	Oil Storage Facility	Storage				
TAN 692	Waste Storage Building	Storage				
TAN 693	Paint Shop Building	Shop				
TAN 694	Tank Storage Building	Storage			X	
TAN 695	Hazardous Materials Storage Facility	Storage			X	TSDF
TAN 711	TAN/TSF Sanitary Treatment Plant	STP			X	
TAN 720	Radioactive Parts Security Storage Area (RPSSA) Concrete Storage	Storage			X	X
TAN 721	RPSSA Heat Removal Storage Cask	Cask			X	
TAN 725	CTF Exhaust Stack & Stack Monitor Room	SMC			X	
TAN 726	Liquid Waste Storage Tank Building	SMC			X	
TAN 743	TAN Cylinder Storage	Storage				
TAN 744	CTF Inlet Gas Supply Facility	SMC			X	
TAN 745	CTF Secondary Coolant System & Heating System	Service			X	
TAN 746	Air-cooled Condenser Filter Structure	Service			X	
TAN 776	Transformer Station (by TAN 609)	Utility			X	X
TAN 780	Holding Tank (structure only)	Storage			X	
TAN 784	Lumber Storage	Service			X	

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TAN 790	Abnormal Waste Storage Pad	Storage			X	X
TAN 791	Spent Fuel Storage Pad	Storage			X	X
TAN 799	Electrical Substation	Substation			X	X
WEDF, N	TM-331	Nalgene Bottles				X
WEDF, N	TM-332	Lead Bricks (managed waste)				X
WEDF, N	TM-333	Cast Shielding (managed waste)				X
WEDF, N	TM-334	Cast Shielding (managed waste)				X
WEDF, N	TM-335	Lead Bricks (managed waste)				X
WEDF, N	TM-336	Cast Shielding (managed waste)				X
WEDF, N	TM-337	Cast Shielding (managed waste)				X
TRA	TM-341	Misc. tools & supplies (equipment) storage				X
TRA	TM-342	Unknown				
TRA	TM-343	Potential Legacy Waste				X
TRA	TM-344	Misc. tools & supplies (equipment) storage				X
TRA	TM-345	Potential Legacy Waste				X
TRA	TM-346	Misc. tools & supplies (equipment) storage				X
TRA	TM-347	Misc. tools & supplies (equipment) storage				X
TRA	TM-348	Misc. product storage				X
TRA	TM-349	Potential Legacy Waste				X
TRA	TM-350	Potential Legacy Waste				X
TRA	TM-351	Potential Legacy Waste				X
TRA	TM-352	Potential Legacy Waste				X
TRA	TM-353	Potential Legacy Waste				X

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BUILDING/TEMPORARY STRUCTURE	BUILDING/TEMPORARY STRUCTURE DESCRIPTION	CURRENT USE	NUMBER OF SAMPLES IDENTIFIED	INITIAL FACILITIES WALKED DOWN BY SMT	ON BASELINE ASSESSMENT LIST	LSDP VERIFICATION WALKDOWN
TRA	TM-354	Potential Legacy Waste				X
TRA	TM-355	Potential Legacy Waste				X
TRA	TM-356	Potential Legacy Waste				X
TRA 601	Deep Well Pumphouse No. 1	Pumphouse		X	X	X
TRA 602	Deep Well Pumphouse No. 2	Pumphouse		X		X
TRA 603/603B	Materials Test Reactor (MTR) Building/TTAF/MTR 603 CANAL	Laboratory & Offices	838	X		X
TRA 604/604A	MTR Building, Wing A	Laboratory & Offices	41	X		
TRA 605	Process Water Building	Utility	1	X	X	X
TRA-605, W	TM-379	Staging Area				X
TRA 607	Carpenter Shop	Shop		X	X	X
TRA 608	Demineralizer Building	Utility		X		X
TRA 609	Steam Plant	Utility		X	X	X
TRA 610	MTR Fan House	Utility & Storage		X	X	X
TRA 611	Plug Storage Building	Vacant	269	X	X	X
TRA 612	Retention Sump Pumphouse	Pumphouse		X	X	
TRA 613/613A/613B	Pumphouse	Pumphouse		X		
TRA 614	Maintenance, Office Building, & Bunkhouse	Service		X		X
TRA 615	Meteorological Instrument Building	Service		X	X	X
TRA 616	Cafeteria	Service		X		X
TRA 618	Warehouse	Storage	1	X	X	X
TRA 619	Raw Water Pumphouse	Utility		X	X	X
TRA 620	Office (old Guardhouse)	Offices		X		X
TRA 621	Nuclear Material Inspection & Storage Building (NMIS)	Storage		X		X
TRA 622	Cold Waste Handling Facility	Storage		X	X	X
TRA 623	Substation Control House	Utility		X	X	
TRA 624	Sewage Treatment Building	STP	3	X	X	
TRA 625	Maintenance Support Building	Shop		X		X
TRA 626	Maintenance Support Building	Storage		X	X	X

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TRA 626	TM-373	Misc. tools & supplies (equipment) storage				X
TRA 626	TM-375	Potential Legacy Waste				X
TRA 626	TM-376	Potential Legacy Waste				X
TRA 627	Fuel Oil Pumphouse	Pumphouse		X	X	X
TRA 628	TRA Office Building (No. 1)	Offices	51	X		
TRA 629	Gas Cylinder Storage	Storage		X	X	
TRA 630	Catch Tank Pumphouse	Pumphouse		X	X	X
TRA 631	Acid Pumphouse	Pumphouse		X	X	X
TRA 632	Hot Cell Building & Hot Cell Addition	Light Laboratory	2029	X		X
TRA 633	Diesel Firewater Pumphouse	Pumphouse		X	X	X
TRA 634	ATR Storage Facility	Storage		X	X	X
TRA 634	TM-357	Potential Legacy Waste				X
TRA 635	Material Receiving Area & Lab	Offices & Storage	4	X		X
TRA 635	TM-362	RMA (managed waste)				X
TRA 636	Retention Basin Inlet Sample House	Service		X	X	X
TRA 637	Bunkhouse Trailer	Service		X	X	
TRA 638	Training Office Trailer	Office		X		X
TRA 639	Sodium Safety Equipment Storage	Storage		X	X	X
TRA 640	Hazardous Chemical Storage Building	Storage		X	X	X
TRA 641	Gamma Building	Light Laboratory		X	X	X
TRA 642	Engineering Test Reactor (ETR) Building	Vacant	26	X	X	X
TRA 642	TM-365	Unknown				
TRA 643	ETR Services Building	Vacant	13	X	X	X
TRA 643	TM-366	Potential Legacy Waste				X
TRA 643	TM-367	Potential Legacy Waste				X
TRA 643	TM-368	Potential Legacy Waste				X
TRA 644	ETR Heat Exchanger Building	Vacant	4	X	X	X
TRA 645	Storage Building	Vacant		X	X	X
TRA 645	TM-370	Unknown				X
TRA 645	TM-371	Unknown				X

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BUILDING/TEMPORARY STRUCTURE	BUILDING/TEMPORARY STRUCTURE DESCRIPTION	CURRENT USE	NUMBER OF SAMPLES IDENTIFIED	INITIAL FACILITIES WALKED DOWN BY SMT	ON BASELINE ASSESSMENT LIST	LSDP VERIFICATION WALKDOWN
TRA 645	TM-363	Potential Legacy Waste				X
TRA 645	TM-364	Misc. tools & supplies (equipment) storage				X
TRA 645	TM-372	Pumphouse				X
TRA 647	ETR Office Building	Offices	1	X		X
TRA 648	ETR Electrical Building	Service		X	X	X
TRA 649	MTR Office Building, Wing C	Offices		X		X
TRA 650	Deep Well Pumphouse No. 3	Pumphouse	2	X	X	
TRA 651	MTR Maintenance & Storage Building	Storage			X	X
TRA 652	Office Building, Wing B	Office	42	X		X
TRA 653	TM-421	Misc. tools & supplies (equipment) storage				X
TRA 653	TM-422	Misc. tools & supplies (equipment) storage				X
TRA 653	Maintenance Building	Shop & Offices	6	X		X
TRA 653	TM-423	Empty				X
TRA 654	ETR Critical Facility	Light Laboratory	22			X
TRA 655	Storage Building	Storage		X	X	X
TRA 656	Maintenance Storage Building	Storage		X	X	
TRA 656	TM-369	Misc. product storage				X
TRA 657	MTR Plug Storage Building	Storage	1854	X	X	X
TRA 657	TM-424	Misc. tools & supplies (equipment) storage				X
TRA 658	TRA Access Control Facility	Security		X		X
TRA 660	Advanced Reactivity Measurement Facility	Security			X	X
TRA 661	Alpha Lab	Light Laboratory	53	X	X	X
TRA 662	Receiving & Storage Building	Storage	2	X	X	X
TRA 662	TM-361	Misc. tools & supplies (equipment) storage				X

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TRA 663	Superior Diesel Building	Vacant		X	X	X
TRA 664	Hot Storage Building	Storage			X	
TRA 665	Storage Building	Light Laboratory			X	
TRA 666/66A	Hydraulic Test Facility & Tritium Lab	Heavy & Light Laboratory	5	X	X	X
TRA 667	Health & Safety Building (Dispensary)	Offices		X		X
TRA 668	MTR North Wing Extension	Light Laboratory				X
TRA 669	Cold Storage Building	Storage	2	X	X	X
TRA 670	Advanced Test Reactor (ATR) Building	Process	63	X		X
TRA 670, N	TM-359	Potential Legacy Waste				X
TRA 670, N	TM-360	Potential Legacy Waste				X
TRA 670, N	TM-401	Misc. tools & supplies (equipment) storage				X
TRA 670, N	TM-402	Misc. tools & supplies (equipment) storage				X
TRA 670, N	TM-403	Potential Legacy Waste				X
TRA 670, N	TM-404	Misc. tools & supplies (equipment) storage				X
TRA 670, N	TM-405	Potential Legacy Waste				X
TRA 670, N	TM-406	Misc. tools & supplies (equipment) storage				X
TRA 670, N	TM-407	Misc. tools & supplies (equipment) storage				X
TRA 670, W	TM-358	Misc. tools & supplies (equipment) storage				X
TRA 671	ATR Cooling Tower Pumphouse	Utility	5	X	X	X

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**LMITCO Site Legacy Sample Information**

BUILDING/TEMPORARY STRUCTURE	BUILDING/TEMPORARY STRUCTURE DESCRIPTION	CURRENT USE	NUMBER OF SAMPLES IDENTIFIED	INITIAL FACILITIES WALKED DOWN BY SMT	ON BASELINE ASSESSMENT LIST	LSDP VERIFICATION WALKDOWN
TRA 672	Deep Well Pumphouse No. 4	Utility		X	X	X
TRA 673	Storage Building	Storage		X	X	X
TRA 673, N (S TRA-625)	TM-377	Misc. tools & supplies (equipment) storage				X
TRA 673, N (S TRA-625)	TM-378	Misc. tools & supplies (equipment) storage				X
TRA 674	Diesel Generator Building	Utility	1	X	X	
TRA 675	Waste Oil Dumpster Shed	Storage		X	X	
TRA 676	Waste Heat Recovery Building	Utility		X	X	X
TRA 677	Demineralized Water Facility	Utility		X	X	X
TRA 678	TRA Office Building (No. 2)	Offices	99	X		X
TRA 679	Nuclear Training Facility	Training		X		X
TRA 680	Emergency Command Center	Service		X		X
TRA 681	Temporary Accumulation Area	Storage		X		TSDF
TRA 681	TM-374	Misc. tools & supplies (equipment) storage				X
TRA 682	Temporary Accumulation Area	Storage				TSDF
TRA 683	Temporary Accumulation Area	Storage		X		TSDF
TRA 684	Temporary Accumulation Area	Storage	11	X		TSDF
TRA 685	Temporary Accumulation Area	Storage		X		TSDF
TRA 686	Temporary Accumulation Area	Storage		X		TSDF
TRA 687	Temporary Accumulation Area	Storage		X		TSDF
TRA 690	Temporary Accumulation Area	Storage				TSDF
TRA 706	Delay Tanks	Storage			X	X
TRA 751	ETR Cooling Tower Basin	Service			X	X
TRA 752	ETR Transformer Yard	Utility		X	X	X
TRA 755	ETR Filter Pit	Service		X	X	X
TRA 760	Monitor Station	Service			X	
TRA 761	Loading Facility	Service			X	
TRA 763A/B/C	Storage Tanks	Storage			X	X

**Appendix A**  
**LIMITCO Site Legacy Sample Information**

BUILDING/TEMPORARY STRUCTURE	BUILDING/TEMPORARY STRUCTURE DESCRIPTION	CURRENT USE	NUMBER OF SAMPLES IDENTIFIED	INITIAL FACILITIES WALKED DOWN BY SMT	ON BASELINE ASSESSMENT LIST	LSDP VERIFICATION WALKDOWN
TRA 771	ATR Cooling Tower	Service			X	X
TRA N	TM-380	Empty				X
TSF 007	Sewage Disposal Plant	STP				X
WERF, N	TM-311	Misc. laboratory equipment storage				X
WERF, N	TM-312	Misc. tools & supplies (equipment) storage				X
WERF, N	TM-313	Misc. tools & supplies (equipment) storage				X
WERF, N	TM-314	Misc. product storage				X
WERF, N	TM-315	Misc. product storage				X
WERF, N	TM-316	Misc. tools & supplies (equipment) storage				X
WERF, N	TM-317	Unknown				
WERF, N	TM-318	Misc. tools & supplies (equipment) storage				X
WERF, N	TM-320	Misc. tools & supplies (equipment) storage				X
WERF, N	TM-321	Misc. tools & supplies (equipment) storage				X
WERF, N	TM-322	Misc. tools & supplies (equipment) storage				X
WERF, N	TM-323	Misc. tools & supplies (equipment) storage				X
WERF, S	TM-324	Empty				
WERF, S	TM-315A	Misc. tools & supplies (equipment) storage				X
WERF, S	TM-316A	Misc. product storage				X

**Appendix A**  
**LMITCO Site Legacy Sample Information**

BUILDING/TEMPORARY STRUCTURE	BUILDING/TEMPORARY STRUCTURE DESCRIPTION	CURRENT USE	NUMBER OF SAMPLES IDENTIFIED	INITIAL FACILITIES WALKED DOWN BY SMT	ON BASELINE ASSESSMENT LIST	LSDP VERIFICATION WALKDOWN
WERF, S	TM-317A	Misc. tools & supplies (equipment) storage				X
WERF, S	TM-318A	Misc. tools & supplies (equipment) storage				X
WERF, S	TM-319A	Misc. tools & supplies (equipment) storage				X
WERF, S	TM-320A	Misc. product storage				X
WERF, S	TM-322A	Misc. product storage				X
WERF, S	TM-323A	Misc. product storage				X
WERF, S	TM-324A	Misc. tools & supplies (equipment) storage				X
WERF, S	TM-325	Misc. product storage				X
WERF, S	TM-326	Misc. product storage				X
WERF, E	TM-321A	Misc. tools & supplies (equipment) storage				X
WMF	RWMC Cold Test Pit	Service			X	X
WMF	BORAX V Reactor Building Site	Storage			X	X
WMF 601	RADCON Field Office	Offices, Laboratories, & Storage				X
WMF 602	RWMC Highbay	Storage	40		X	X
WMF 603	Pumphouse	Pumphouse			X	
WMF 604	Change House & Lunchroom Facility	Offices		X		X
WMF 605	Wellhouse, Observation Well #87	Monitoring			X	
WMF 606	Wellhouse, Observation Well #88	Monitoring			X	
WMF 607	Wellhouse, Observation Well #89	Monitoring			X	
WMF 608	Wellhouse, Observation Well #90	Monitoring			X	
WMF 609	Heavy Equipment Storage Shed (HESS)	Storage			X	X
WMF 610	SWEPP Building	Storage		X		TSDF

**Appendix A**  
**LIMITCO Site Legacy Sample Information**

BUILDING/TEMPORARY STRUCTURE	BUILDING/TEMPORARY STRUCTURE DESCRIPTION	CURRENT USE	NUMBER OF SAMPLES IDENTIFIED	INITIAL FACILITIES WALKED DOWN BY SMT	ON BASELINE ASSESSMENT LIST	LSDP VERIFICATION WALKDOWN
WMF 611	Guardhouse	Offices			X	X
WMF 612	SWEPP Certified & Segregated Waste Storage Building	Storage			X	TSDF
WMF 613	WMF Office Building & Operational Support Facility	Offices		X		X
WMF 615	SWEPP Drum Venting Building	Storage			X	
WMF 617	SWEPP Maintenance Facility	Storage		X		X
WMF 618	TRUPAC II Loading Facility	Storage			X	TSDF
WMF 619	Communications Building	Utility			X	X
WMF 620	Work Control Center Trailer	Offices		X		X
WMF 621	Work Control Support Trailer	Offices		X		X
WMF 622	Office Annex (east of 613)	Offices		X		X
WMF 628	Type II Storage Module	Storage			X	TSDF
WMF 629	Type II Storage Module	Storage			X	TSDF
WMF 630	Type II Storage Module	Storage				TSDF
WMF 631	Type II Storage Module	Storage				TSDF
WMF 632	Type II Storage Module	Storage				TSDF
WMF 633	Type II Storage Module	Storage				TSDF
WMF 634	Type II Storage Module	Storage				TSDF
WMF 635	Type I Storage Module	Storage			X	TSDF
WMF 636	TSA Retrieval Enclosure	Under Construction				
WMF 637	Operations Control Building	Offices & Guard Station			X	X
WMF 639	Pumphouse	Pumphouse			X	X
WMF 640	Vapor Vacuum Extraction Weather Shelter	Service			X	X
WMF 641	Vapor Vacuum Extraction Monitoring Well	Storage			X	
WMF 642	Vapor Vacuum Extraction Monitoring Well	Storage			X	
WMF 643	Vapor Vacuum Extraction Monitoring Well	Storage			X	
WMF 645	Construction Manager Support Trailer	Office				
WMF 646	Field Support Trailer	Offices				
WMF 648	Intermediate-Level Transuranic Storage Facility (ILTSF) Vault Monitoring Trailer	Storage			X	TSDF
WMF 651	Health Physics Trailer	Offices			X	X
WMF 652	Security Trailer	Guard Station			X	X

**Appendix A**  
**LMITCO Site Legacy Sample Information**

BUILDING/TEMPORARY STRUCTURE	BUILDING/TEMPORARY STRUCTURE DESCRIPTION	CURRENT USE	NUMBER OF SAMPLES IDENTIFIED	INITIAL FACILITIES WALKED DOWN BY SMT	ON BASELINE ASSESSMENT LIST	LSDP VERIFICATION WALKDOWN
WMF 653	Trailer, Office Annex #2	Offices		X		X
WMF 655	Material Handling Facility	Storage				X
WMF 656	Maintenance Facility	Service				X
WMF 657	Trailer, Construction Field Support	Offices				
WMF 658	DOE/RWMC Office		NA	NA	NA	NA
WMF 659	Rental Office Trailer #1	Offices				
WMF 700	Subsurface Disposal Area (SDA) [Pit 9 (OU 7-10), Acid Pit (OU 7 02), & Pad A (OU 7-12)]	Disposal	4		X	TSDF
WMF 702	Liquid Chemical Disposal Area	Disposal				TSDF
WMF 705	Transuranic Storage Area (TSA)	Storage			X	TSDF
WMF 711	Air Support Weather Shield (ASWS) No. 2	Service			X	
WMF 714	ILTSF No. 1	Storage			X	
WMF 720	ILTSF No. 2	Storage			X	

## **Appendix B**

### **Volume III, Legacy Sample Inventory Tables**

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## Appendix B

### Volume III, Legacy Sample Inventory Tables Contents

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