FY95 Capital Asset Implementation Plan

December 1994

Prepared for
United States Department of Energy

**Westinghouse Electric Corporation
Waste Isolation Division**

MASTER

This document supersedes the FY94 Capital Asset Implementation Plan

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EXECUTIVE SUMMARY

The Waste Isolation Division (WID) is committed to providing good stewardship for the capital assets under its operational and physical control. To achieve this goal, the WID has developed the Capital Asset Implementation Plan (CAIP) to continue to implement for FY95 Department of Energy (DOE) Order 4320.2A, Capital Asset Management Process (CAMP). The Order provides policy and elements needed to establish a credible, consistent, auditable, and technically sound process for the DOE to forecast, plan, and budget for capital assets on a functional unit level.

The objective of the WIPP CAMP program is to meet the goals of DOE Order 4320.2A in the most effective and efficient manner possible in support of the Waste Isolation Pilot Plant (WIPP) mission. As a result, this CAIP provides a way to implement the CAMP Program using a graded approach. Continued implementation will be accomplished by improving the existing process, and establishing future goals to promote growth for the CAMP Program.

The CAIP is issued annually by the WID with quarterly progress reports submitted to the DOE. This document describes the current-year program staffing, roles, responsibilities, funding, and near-term milestones. In addition, the results of past goals are discussed.

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1.0 INTRODUCTION

1.1 Purpose and Scope

The purpose of this plan is to continue implementation of DOE Order 4320.2A, Capital Asset Management Process (CAMP), at the WIPP. The CAMP Order, revised in February 1994, applies to all capital assets the DOE owns, leases, or controls for production, operation, research, development, or demonstration, except for those specifically excluded by the order, statute, or separate delegation of authority from the Secretary of Energy.

The WID takes great pride in maintaining the condition of all DOE capital assets under its cognizance. The CAMP is expected to become a valuable tool in continuing this good stewardship. This plan applies to the property, buildings, and equipment managed by the WID, the WIPP's management and operating contractor.

1.2 Implementation Approach for Fiscal Year (FY) 1995

This plan outlines strategies to maximize the impact of CAMP funding received by applying these funds in a manner consistent with the WIPP mission and goals of the CAMP Order. These strategies include: Continued implementation of the Condition Assessment Survey (CAS) Program; Integration of Site Development Planning; and Expansion of the CAMP Report to include anticipated maintenance expenditures, capital equipment expenditures, and long-term planning.

The CAIP addresses the following issues:

- FY94 objectives and results
- Near-term CAMP objectives (FY95)
- Long-term CAMP objectives (FY96-FY17)
- CAMP organization, including defined roles and responsibilities
- Funding requirements
- Implementation milestones

1.3 Extent of Current Compliance

CAS inspections are being performed on site to gain information for facilities and equipment owned by the DOE. Through utilization of a graded approach, buildings, utilities, and major capital equipment based on importance, age and use were selected as assets to be inspected.

The Condition Assessment Information System (CAIS), the computer support for the CAS and CAMP programs, has been implemented. A full annual cycle of CAS inspections and CAIS reporting is needed to identify improvements to be made. The cycle will be completed in June 1995.

1.4 CAMP/CAS Overview

DOE Order 4320.2A established policy and responsibilities for the management of DOE capital assets and provides for a consistent prioritization methodology for determining the preferred order for allocating limited resources for maintenance of those assets. CAMP has five major elements:

1. Functional Unit Breakdown Structure (FUBS)
2. Condition Assessment Surveys (CAS)
3. Life Cycle Planning (LCP)
4. Prioritization Process
5. Functional Unit Data Sheets (FUDS)

The purpose of the CAS Program is to inspect the physical condition of buildings, structures, utilities, and selected equipment using several resources which include CAS inspectors, CAS tools, and CAIS support. Other inspections performed by the designated site personnel, such as preventive maintenance inspections, landlord inspections, industrial safety inspections, and others contribute valuable information about the condition of the WIPP's capital assets that can be used to support CAS.

LCP is accomplished by evaluating CAS inspection information to decide what repairs, replacement, or modifications are required to maintain the assets over the life of the mission. Maintenance, resource, and future project needs are discussed in the CAMP Report to provide a planning horizon for DOE owned assets.

Projects determined through the CAS and LCP processes are ranked using the CAMP prioritization tables. A baseline is then established for out-year planning and budgeting. An annual CAMP Report is issued which describes all CAMP elements in detail, including CAS results, LCP analysis, and project descriptions. This ultimately provides a picture of anticipated projects, resources, and funding needed to sustain the facility over the life of the mission.

2.0 CAMP ORGANIZATION

2.1 Staffing Requirements

Four personnel positions have been allocated for the WID CAMP Organization. This staffing level requires personnel cross training to meet the stated purposes and objectives of the CAMP Order.

The administrative responsibilities are delineated below:

CAMP/CAS Program Coordinator

Reports directly to the cognizant Maintenance Operations Manager and has responsibility for establishing and implementing the WIPP CAMP Program. The CAMP Program Coordinator is the focal point at the WIPP, and is responsible for the direct planning and execution of the WIPP CAMP Program.

Responsibilities:

- Ensures CAMP reporting is performed in accordance with DOE guidance, allocated funding, and within the prescribed time frame
- Provides informal training for non-CAMP site personnel
- Ensures the CAMP/CAS/CAIS group obtains adequate training and maintains the appropriate level of authorization to conduct the program in a credible and technically sound manner
- Evaluates CAS inspection results and ensures consistency
- Ensures the results of other inspection programs are included in the CAMP Process (i.e. landlord inspections, safety inspections, etc)
- Ensures appropriate information is extracted from the CAIS database, site development, and other programs for use in prioritizing site maintenance actions and for inclusion in the CAMP Report
- Reviews and approves CAS inspection schedules
- Ensures the CAS inspection program is conducted in a formal, consistent, and auditable manner

CAS Inspector

Reports directly to the CAMP Program Coordinator. The CAS Inspector is responsible for conducting CAS inspections and reporting deficiencies.

Responsibilities:

- Ensures WIPP CAS inspections are performed and deficiencies recorded
- Ensures deficiencies requiring immediate action are brought to the attention of appropriate management
- Reviews results of other inspection programs for incorporation into the CAMP Process
- Prepares CAS inspection reports
- Coordinates CAS inspections with other inspection teams or departments
- Generates action or first request if near-term remedial action is required

CAIS Coordinator

Reports directly to the CAMP Program Coordinator on matters relating to the CAIS, and is responsible for the WIPP CAIS hardware, software, and database.

Responsibilities:

- Maintains the site CAIS computer and associated software
- Updates the CAIS database
- Incorporates asset information in the system for inspection purposes
- Ensures appropriate assignments are made for each asset to its corresponding functional unit (FU) code
- Prepares Data Collection Device (DCD) for inspection use
- Ensures specific information is available in the CAIS to generate reports
- Prepares database reports for analysis and incorporation into the CAMP report

2.2 Funding and Resources

The following is a breakdown of the available funding and resources for FY95. Future funding needs will be based on CAIS hardware/software requirements, training, and additional guidance provided by the DOE. In FY96, an upgrade to Oracle 7 is anticipated to enhance the effectiveness of the CAIS.

<u>Personnel</u>	<u>FTEs</u>
CAMP/CAS Program Coordinator	1.0
CAIS Coordinator	1.0
CAS Inspector	<u>2.0</u>
TOTAL	4.0

<u>Funding Profile</u>	<u>\$K</u>
Travel	6.6
Training	2.0
Material/Supplies	<u>0.6</u>
TOTAL	9.2

3.0 RESULTS OF FY94 MILESTONES

3.1 Milestones for FY94

The primary goal was to establish a CAMP process on site. Accomplishing this goal included selection of staff, procurement and installation of CAIS hardware and software, determination of the Functional Unit Breakdown Structures, issuance of the first WIPP CAMP Report, and implementation of CAS.

The CAMP group was formed in October 1993. The following discusses the strategies that were established for FY94, and the results of each.

Personnel Selection and Training

Initial staffing and assignments changed in April 1994, resulting in the loss of two inspectors. Two new inspectors joined the team in April, forming the foundation of the CAS inspection group. Training for inspectors has been accomplished for three inspectors; training for the remaining inspector is anticipated by March 1995.

In addition, authorization cards were developed for each specific inspection discipline: electrical, mechanical, and civil/architectural. The authorization card verifies the inspectors expertise and knowledge of the task. The cards were developed in January 1994.

Define WIPP Functional Unit Breakdown Structure

CAMP assets are classified into similar groups based on their function, rather than their mission. The similar groups of assets are specified as FUs. The DOE Order specifies 30 FUs and their descriptions. WIPP uses 19 FUs split into buildings, structures, and equipment.

CAMP FUs were completed in February 1994.

Develop Life Cycle Plans for FUs

WIPP LCPs describe the major activities in the life of a FU from planning through decommissioning. Asset function, characteristics, future mission, condition, maintenance planning, and future projects are included in each LCP. Once FUs were established, research was done to determine characteristics and mission.

Several interface documents were utilized to incorporate information into the LCP due to the limited time needed to accomplish the task. The General Plant Design Descriptions, the Comprehensive Underground Management Plan, the Site Development Plan, and other direct interfaces were used to locate appropriate information. CAMP LCPs were completed in March 1994.

Issue First WIPP CAMP Report

The FY96 CAMP Report was issued in April 1994. The report described WIPP's FUs, their corresponding LCPs, and anticipated projects for FY95 and FY96. All projects were required to have Functional Unit Data Sheets (FUDS), which outlined the activity description, justification and funding profile. Support from Operations, Engineering, Safety, and Maintenance was instrumental in issuing the report.

Implement CAIS Hardware and Software

Procurement of the CAIS occurred in January 1994, and system set-up and software installation was completed in May 1994. The Real Property Inventory System (RPIS) was verified for accuracy and uploaded into the CAIS for data manipulation. Selected RPIS identification numbers were assigned to a CAMP Functional Unit (FU). This was done because several RPIS designators were not assigned the correct usage code. FUs, based on asset usage, are the basis for CAMP planning. After FU assignment, asset characteristics were researched and input into CAIS to aid in CAS inspections.

FU assignment and limited asset characteristic entry into the CAIS was completed in May. Expanded characteristics are being entered as inspections are being performed. CAIS reporting, including inspection detail reports and costing, are ongoing.

Establish a Graded Approach for CAS Inspections

After issuance of the CAMP report, a CAS inspection schedule was developed. Buildings, utilities, and major capital equipment based on importance, age, and use were selected as assets to be inspected. The CAS inspection schedule was additionally developed to parallel the preventive maintenance schedule. Recent schedule enhancements have provided the inspectors a two week look-ahead for planned preventive maintenance. As a result, the CAS inspectors can schedule inspections in conjunction with scheduled maintenance to prevent repetitive equipment downtime.

The initial CAS inspection was performed in May on the 700A Fan, a critical component for underground ventilation. Inspections and reports are being processed weekly.

All milestones established in the FY94 CAIP were completed on or ahead of schedule. The milestone to develop site specific Deficiency Standards and Inspection Methods Manual has been deleted. DOE has a singular contractor to develop Volume 10, which will contain deficiency standards not included in other volumes. Input for WIPP unique assets has been transferred to the contractor in August 1994 to provide DOE with possible information to expand their manuals.

In addition to meeting all FY94 CAIP milestones, three additional accomplishments were completed. First, after reviewing the applicable Work Breakdown Structures (WBS) in the DCD, it was found that several pieces of unique assets existed at WIPP with no WBS. Therefore, DCD inspections could not be performed. WIPP developed

an inspection process for non-DCD inspections to provide condition information on unique assets that are listed in the CAMP report.

Second, a CAMP Program Plan was drafted outlining how the CAMP Report is created. Descriptions of interfaces, responsibilities, and useful information is discussed. Most importantly, the criteria for how WIPP arrived at its FU grouping, and resulting LCP are shown. This enables readers to understand the process behind the initial CAMP report.

Lastly, the CAS inspection team took over the facility condition inspections previously performed by Plant Engineering, although their continued inspection support is provided through Cognizant Engineer reviews, and CAS inspection walkdowns. The facility condition inspections, more oriented towards cleanliness and housekeeping, do contain certain elements of CAS. It was determined that the facility condition inspection scope could be combined into the CAS effort thereby avoiding significant duplication of effort.

4.0 STRATEGY FOR FY95

In addition to preparing WAD deliverables, performing CAS/CAMP and associated duties, several new goals have been established for CAMP in FY95. The following lists the goals for the upcoming year.

Goal 1 - Use CAS Results in FY97 CAMP Report

The first goal is to use CAS inspection results in the FY97 CAMP Report, because inspection data was not available for the first report. Evaluation of CAS results will aid in the determination of repair, replacement, or modification needs over the assets mission life. This will improve the description of deficiencies, provide a baseline for future inspections and reports, and supply justification for projects.

Goal 2 - Evaluate CAS to Make Needed Improvements

After issuance of the FY97 CAMP Report, an evaluation of the first year's inspection process will be completed. Types of improvements include: deleting unnecessary inspections; altering frequency of inspections; adding new inspections; and revising the reporting process if information could be represented more effectively.

Goal 3 - Expand Report to Include Other Information

Because the CAMP Report is informative, suggestions have been made to expand the report slightly and add additional funding information. The goal is to include not only General Plant Project information, but also future high-dollar maintenance and capital equipment expenditures, and operating expense funded projects. In addition, forecasts of changes in funding or resources for major assets will be made to contribute to the future planning of the site. Information previously contained in the Comprehensive Underground Management Plan will be incorporated into the CAMP report to provide anticipated expenditures in the underground. To provide a true representation of anticipated expenditures and projects in the future, a long-term focus on the total resource requirements of the site is imperative.

The key is to involve site development planning in the CAMP Process. Site development issues concern future planning and development which affect facilities, utilities, and equipment. The incorporation of site development considerations is critical to identify future needs.

4.1 IMPLEMENTATION MILESTONES

Quarterly CAIP	January 95
CAS/CAIS Training	January 95
Draft LCP	February 95
Draft FUDS	March 95
Quarterly CAIP	April 95
FY97 CAMP Report	April 95
Evaluate CAS FY94/95	May 95
Quarterly CAIP	July 95
Quarterly CAIP	October 95

APPENDIX A WIPP LAYOUT DIAGRAMS Surface Facilities

APPENDIX A

WIPP LAYOUT DIAGRAMS

Surface Facilities Legend

FACILITIES, USAGE AND STRUCTURE NUMBERS (FY 1995)

SPS UTILITY SUBSTATION	FAC 252	VEHICLE FUEL STATION	FAC 480
13.8 KV SWITCHGEAR 25P-SWG15/1	FAC 253	EXHAUST SHAFT HOIST EQUIPMENT WAREHOUSE	BLD 482
AREA SUBSTATION NO.1 25P-SW15.1	FAC 254.1	SULLAIR COMPRESSOR BUILDING	BLD 485
AREA SUBSTATION NO.2 25P-SW15.2	FAC 254.2	ENGINEERING BUILDING - OFFICES	BLD 486
AREA SUBSTATION NO.3 25P-SW15.3	FAC 254.3	TRAINING BUILDING	BLD 489
AREA SUBSTATION NO.4 25P-SW15.4	FAC 254.4	DBL. WIDE TRAILER - OFFICE	TRL 906
AREA SUBSTATION NO.5 25P-SW15.5	FAC 254.5	SINGLE WIDE TRAILER - OFFICE	TRL 907
AREA SUBSTATION NO.6 25P-SW15.6	FAC 254.6	SINGLE WIDE TRAILER - CABLE FABRICATION	TRL 908A
AREA SUBSTATION NO.7 25P-SW15.7	FAC 254.7	SINGLE WIDE TRAILER - OFFICE	TRL 908B
EMERGENCY GENERATOR #1 25-PE 503	FAC 255.1	DBL. WIDE TRAILER - OFFICE	TRL 909
EMERGENCY GENERATOR #2 25-PE 504	FAC 255.2	DBL. WIDE TRAILER - OFFICE AND LAB	TRL 910
WASTE SHAFT	FAC 311	SINGLE WIDE TRAILER - OFFICE	TRL 911A
EXHAUST SHAFT	FAC 351	SINGLE WIDE TRAILER - OFFICE	TRL 911B
AIR INTAKE SHAFT	FAC 361	SINGLE WIDE TRAILER - OFFICE	TRL 911C
AIR INTAKE SHAFT/WINCH HOUSE	FAC 362	SINGLE WIDE TRAILER - AIS STAGING	TRL 911E
EFFLUENT MONITORING INSTRUMENT SHED - "A"	FAC 364	DBL. WIDE TRAILER - COMPUTER CENTER	TRL 911F
EFFLUENT MONITORING INSTRUMENT SHED - "B"	FAC 365	SINGLE WIDE TRAILER - CABLE FABRICATION	TRL 911G
SALT HANDLING SHAFT	FAC 371	DBL. WIDE TRAILER - OFFICE AND CLASSROOMS	TRL 912
SALT HANDLING SHAFT HEADFRAME	FAC 372	SINGLE WIDE TRAILER - OFFICE	TRL 914A
SALT HANDLING SHAFT HOISTHOUSE	FAC 384	SINGLE WIDE TRAILER - OFFICE	TRL 915
UNDERGROUND SERVICES OFFICE	FAC 384A	TRAILER COMPLEX (4) - OFFICE	TRL 916
WASTE HANDLING BUILDING	BLD 411	SINGLE WIDE TRAILER - AIS DATA ACQUISITION	TRL 917
TRUPACT MAINTENANCE BUILDING	BLD 412	SINGLE WIDE - OFFICE	TRL 918
EXHAUST SHAFT FILTER BUILDING	BLD 413	VOC AIR MONITORING STATION	TRL 918A
MONITORING STATION "A"	BLD 413A	VOC LAB TRAILER	TRL 918B
MONITORING STATION "B"	BLD 413B	TRAILER COMPLEX (7) - OFFICE	TRL 950
WATER CHILLER FACILITY	FAC 414	TRAILER COMPLEX (6) - OFFICE	TRL 951
SUPPORT BUILDING - OFFICES, ETC.	BLD 451	TRAILER COMPLEX (7) - OFFICE	TRL 952
SAFETY & EMERGENCY SERVICES FACILITIES	BLD 452	DBL. WIDE TRAILER - OFFICE	TRL 971
WAREHOUSE/SHOPS BUILDING	BLD 453	DBL. WIDE TRAILER - OFFICE	TRL 982
VEHICLE SERVICE BUILDING	BLD 454	DBL. WIDE TRAILER - OFFICE	TRL 985
AUXILIARY WAREHOUSE BUILDING - MAINTENANCE	BLD 455	DBL. WIDE TRAILER - OFFICE	TRL 986
WATER PUMPHOUSE	BLD 456	DBL. WIDE TRAILER - OFFICE	TRL 988
WATER TANKS	FAC 457	SINGLE WIDE TRAILER - OFFICE	TRL 991
GUARD AND SECURITY BUILDING	BLD 458	SINGLE WIDE TRAILER - LAB	TRL 992
CORE STORAGE BUILDING	BLD 459	SINGLE WIDE TRAILER - LAB	TRL 993
DBL WIDE TRAILER - OFFICE	BLD 459A	SINGLE WIDE TRAILER - OFFICE	TRL 994
COMPRESSOR BUILDING	BLD 463	SINGLE WIDE TRAILER - LAB	TRL 995
AUXILIARY AIR INTAKE	FAC 465		
TELEPHONE HUT	BLD 468		
ARMORY BUILDING - ARMORY AND LOCK SHOP	BLD 473		
HAZARDOUS WASTE STORAGE AREA	FAC 474		
GATEHOUSE - MAIN SITE ENTRANCE/EXIT	BLD 475		

APPENDIX A
WIPP LAYOUT DIAGRAMS
Underground Facilities

APPENDIX A WIPP LAYOUT DIAGRAMS Underground Facilities Legend

UNDERGROUND FACILITIES

1. ROOM D: ROCK MECHANICS STATION FOR SNL BRINE INFLOW AND HUMIDITY SCALEUP 2. I-7: ROCK MECHANICS STATION AND PLUGGING AND SEALING EXPERIMENTS 3. C-1; 4. C-2; 5. I-6: INSTRUMENT SHED FOR ROOM A-3 6. I-5: INSTRUMENT SHED FOR ROOM A-2 7. I-4: INSTRUMENT SHED FOR ROOM A-1 8. ROOM A-3: THERMAL STRUCTURE INTERACTIONS, BASELINE 9. ROOM A-2: THERMAL STRUCTURAL INTERACTIONS, BASELINE 10. ROOM A-1: THERMAL STRUCTURAL INTERACTIONS, BASELINE WASTE PACKAGE PERFORMANCE, BASELINE 11. ROOM B: THERMAL STRUCTURAL INTERACTIONS, OVERTEST WASTE PACKAGE PERFORMANCE OVERTEST 12. I-3: INSTRUMENT SHED FOR ROOM B 13. ELECTRICAL SUBSTATION NO. 2A 14. SWITCH STATION 15. ROOM 1: (EXPERIMENTAL) 16. L-1: PLUGGING AND SEALING TEST SERIES D AND INSTRUMENT SHED 17. L-2: PLUGGING AND SEALING TEST SERIES D 18. L-3: PLUGGING AND SEALING TEST SERIES E 19. L-4: PLUGGING AND SEALING TEST SERIES F 20. ROOM 2: (EXPERIMENTAL) 21. ROOM J: MATERIALS INTERFACE INTERACTIONS TEST 22. ROOM 3: (EXPERIMENTAL) 23. CORE STORAGE 24. ROOM T: CH/TRU DRUM CRUSHING RH/TRU SIMULATED HEATERS 25. I-2 INSTRUMENT SHED FOR ROOM H, J, & T 26. ROOM 4: SALT BLOCK FABRICATION 27. ROOM H: THERMAL STRUCTURAL INTERACTIONS, AXISYMETRICAL PILLAR 28. ENTRY TO ROOM G 29. ELECTRICAL SUBSTATION NO. 2B	30. I-1: INSTRUMENT SHED FOR ROOM G 31. ROOM G: THERMAL STRUCTURAL INTERACTIONS, REFERENCE 32. MINING OPERATIONS FABRICATION SHOP 33. UNDERGROUND ACCESS WAY 34. MINING OPERATIONS FUEL STATION 35. EMERGENCY VEHICLE PARKING 36. ELECTRICAL SUBSTATION NO. 1 & SWITCH STATION 37. MINE OPERATIONS OFFICE AND LUNCH ROOM 38. ELECTRICAL SWITCH STATION 39. WASTE HANDLING VEHICLE PARKING 40. RH DEMO AREA 41. FLOW REVERSING VENTILATION BOOSTER FANS 42. UNDERGROUND SHOP 43. WASH BAY 44. PANEL 1, ROOM 1, UNDERGROUND STORAGE AREA 45. SPDV EXPLORATION DRIFT-SOUTH 46. WASTE HANDLING DIESEL FUEL STATION 47. UNDERGROUND SHOPS, PARTS, LUNCHROOM AND OFFICE 48. SEAL TEST ALCOVE 49. UNDERGROUND SERVICE, TOOL AND STORAGE SHED 50. CIRCULAR ROOM ACCESS DRIFT 51. CIRCULAR ROOM INSTRUMENT AREA 52. ROOM Q: CIRCULAR ROOM 53. SNL SHOPS AREA 54. ENTRIES FOR TEST ALCOVES 55. UNDERGROUND SHOP NOTE 1. EXISTING CONDITIONS AS OF SEPTEMBER 30, 1994

APPENDIX B ACRONYMS/ABBREVIATIONS

CAMP	Capital Asset Management Process
CAS	Condition Assessment Survey
CAIS	Condition Assessment Information System
CAIP	Capital Asset Implementation Plan
CHAMPS	Computerized History and Maintenance Planning System
DOE	Department of Energy
FTE	Full Time Equivalent
FU	Functional Unit
FUBS	Functional Unit Breakdown Structure
FUDS	Functional Unit Data Sheets
FY	Fiscal Year
RPIS	Real Property Inventory System
WID	Waste Isolation Division
WIPP	Waste Isolation Pilot Plant
WBS	Work Breakdown Structure

APPENDIX C GLOSSARY OF TERMS

Capital Asset - A tangible product of value, generally property, or equipment which has an anticipated service life of two years or more and a cost equal to or greater than \$5000.00.

Capital Asset Management Process(CAMP) - The standardized, auditable process for determining condition, forecasting life cycle events, and identifying planning and prioritizing capital asset needs in light of meeting mission requirements.

Condition Assessment Survey(CAS) - A periodic inspection of capital assets using universally accepted standards and methods. A CAS results in a determination of the current condition of capital assets, the estimated time to failure, and the estimated cost to correct the identified deficiencies. CAS provides a consistent assessment of capital assets for planning purposes based on actual conditions.

Condition Assessment Information System(CAIS) - A personal computer based database system operating under the UNIX operating system and the ORACLE relational database software. CAIS uses state-of-the-art technology to streamline the CAS inspection process, eliminating handwritten forms, electronically transferring inspection deficiency information to the database, and preparing summary reports for use in preparing comprehensive and standardized CAMP Reports.

Functional Unit(FU) - A logical and systematic group of capital assets with similar life-cycles is necessary to support the site's mission. The FUs shall be capable of being audited in terms of mission requirements and performance standards.

Functional Unit Breakdown Structure(FUBS) - A method for listing and identifying the site's FUs and establishing a framework for managing capital assets by FU. The FUBS provides a logical hierarchical series structure of FUs that includes all the site's capital assets for specifying, summarizing, and justifying capital asset funding needs.

Functional Unit Data Sheets(FUDS) - The FUDS is a summary document containing the relevant data for a significant project in the life of a particular FU.

Life Cycle Plan(LCP) - A LCP shows forecasted major activities in the life of an asset through final disposition. The plan documents the history of the FU and forecasts durations, relationships, and impact on life expectancy. The plan also describes maintenance practices and costs.

Maintenance - Day-to-day work that is required to maintain and preserve facility and capital equipment in a condition suitable for it to be used for its designated purpose and includes preventive, predictive, and corrective maintenance.

Project - A project is the selected alternative listed and prioritized in the CAMP Report

for meeting a capital asset requirement. A project may involve a single capital asset or an entire functional units. CAMP projects include significant maintenance, General Plant Projects, Line Item projects; or significant capital expenditures.

APPENDIX D
ORGANIZATIONAL CHART

CAMP ORGANIZATION CHART

APPENDIX E INSPECTION SCHEDULE

CAS INSPECTOR SCHEDULE WEEK 1 (Jan 2-8)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Inst. Shed Station A	BLDG413A	BLDG413A	(A)
Inst. Shed Station B	BLDG413B	BLDG413B	(A)
Camp Report Preparation			

CAS INSPECTOR SCHEDULE WEEK 2 (Jan 9-15)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Camp Report Preparation			

CAS INSPECTOR SCHEDULE WEEK 3 (Jan 16-22)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Camp Report Preparation			

CAS INSPECTOR SCHEDULE WEEK 4 (Jan 23-29)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Camp Report Preparation			

CAS INSPECTOR SCHEDULE WEEK 5 (Jan 30 - Feb 5)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Camp Report Preparation			

CAS INSPECTOR SCHEDULE WEEK 6 (Feb 6-12)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Camp Report Preparation			

APPENDIX E **INSPECTION SCHEDULE**

CAS INSPECTOR SCHEDULE WEEK 7 (Feb 13-19)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Camp Report Preparation			
CAS INSPECTOR SCHEDULE WEEK 8 (Feb 20-26)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Camp Report Preparation			
CAS INSPECTOR SCHEDULE WEEK 9 (Feb 27 - Mar 5)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Camp Report Preparation			
CAS INSPECTOR SCHEDULE WEEK 10 (Mar 6-12)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Camp Report Preparation			
CAS INSPECTOR SCHEDULE WEEK 11 Mar 13-19)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Camp Report Preparation			
CAS INSPECTOR SCHEDULE WEEK 12 (Mar 20-26)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Camp Report Preparation			
CAS INSPECTOR SCHEDULE WEEK 13 (Mar 27 - Apr 2)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Camp Report Preparation			

APPENDIX E **INSPECTION SCHEDULE**

CAS INSPECTOR SCHEDULE WEEK 14 (Apr 3-9)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Camp Report Preparation			
CAS INSPECTOR SCHEDULE WEEK 15 (Apr 10-16)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Camp Report Preparation			
CAS INSPECTOR SCHEDULE WEEK 16 (Apr 17-23)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Fuel Storage Tanks	FAC480	FAC480	(A)
CAS INSPECTOR SCHEDULE WEEK 17 (Apr 24-30)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Salt Hoist House	BLDG384	BLDG384	(A)
Monitoring Station A	FAC364	FAC364	(A)
Monitoring Station B	FAC365	FAC365	(A)
CAS INSPECTOR SCHEDULE WEEK 18 (May 1-7)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Roof Exhaust Fan	45B409	45B409	(A)
CAS INSPECTOR SCHEDULE WEEK 19 (May 8-14)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
SPS Utility Substation	FAC252	FAC252	(A)
13.8kV Switchgear	FAC253	FAC253	(A)
Area Substation 1	FAC254.1	FAC254.1	(A)
Area Substation 2	FAC254.2	FAC254.2	(A)
Area Substation 3	FAC254.3	FAC254.3	(A)

**APPENDIX E
INSPECTION SCHEDULE**

CAS INSPECTOR SCHEDULE WEEK 20 (May 15-21)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Area Substation 4	FAC254.4	FAC254.4	(A)
Area Substation 5	FAC254.5	FAC254.5	(A)
Area Substation 6	FAC254.6	FAC254.6	(A)
Area Substation 7	FAC254.7	FAC254.7	(A)
Area Substation 8	FAC254.8	FAC254.8	(A)

CAS INSPECTOR SCHEDULE WEEK 21 (May 22-28)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
6 Ton Electric Forklift	74H010B	74H010B	(M)
Backup Generator 1	FAC255.1	FAC255.1	(A)
Backup Generator 2	FAC255.2	FAC255.2	(A)

APPENDIX E INSPECTION SCHEDULE

CAS INSPECTOR SCHEDULE WEEK 22 (May 29 - Jun 4)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Trailer 906	TRLR906	TRLR906	(A)
Trailer 908A	TRLR908A	TRLR908A	(A)
Trailer 908B	TRLR908B	TRLR908B	(A)
Trailer 909	TRLR909	TRLR909	(A)
Trailer 910	TRLR910	TRLR910	(A)
Trailer 911A	TRLR911A	TRLR911A	(A)
Trailer 911B	TRLR911B	TRLR911B	(A)
Trailer 911C	TRLR911C	TRLR911B	(A)
Trailer 911E	TRLR911E	TRLR911E	(A)
Trailer 911G	TRLR911G	TRLR911G	(A)
Trailer 912	TRLR912	TRLR912	(A)
Trailer 916	TRLR916	TRLR916	(A)
Trailer 918	TRLR918	TRLR918	(A)
Trailer 918A	TRLR918A	TRLR918A	(A)
Trailer 918B	TRLR918B	TRLR918B	(A)
Trailer 950	TRLR950	TRLR950	(A)
Trailer 951	TRLR951	TRLR951	(A)
Trailer 971	TRLR971	TRLR971	(A)
Trailer 982	TRLR982	TRLR982	(A)
Trailer 985	TRLR985	TRLR985	(A)
Trailer 986	TRLR986	TRLR986	(A)
Trailer 988	TRLR988	TRLR988	(A)
Trailer 991	TRLR991	TRLR991	(A)
Trailer 992	TRLR992	TRLR992	(A)
Trailer 993	TRLR993	TRLR993	(A)
Trailer 994	TRLR994	TRLR994	(A)
Trailer 995	TRLR995	TRLR995	(A)
Met Labs (SNL,WID)	BLDG470	BLDG470	(A)
NE Met Tower	BLDG472	BLDG472	(A)

APPENDIX E **INSPECTION SCHEDULE**

CAS INSPECTOR SCHEDULE WEEK 23 (Jun 5-11)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Hazardous Storage BLDG	BLDG474	BLDG474	(A)
Sewage Lagoon	FAC258	FAC258	(A)
Hoisting Systems -- Norberg Manufacturer of Hoisting will perform their annual inspection of the site hoists. We will participate in this inspection.			
CAS INSPECTOR SCHEDULE WEEK 24 (Jun 12-18)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Firetruck Surface GMC	75Q003	75Q003	(Q)
U/G Exhaust Fan 250 HP	041043	41B860B	(Q)
H. Conveyance Loading Cart	41H018	41H018	(A)
Gaurd & Security BLDG	BLDG458	BLDG458	(A)
CAS INSPECTOR SCHEDULE WEEK 25 (Jun 19-25)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
U/G Exhaust Fan 250 HP	041042	41B860A	(Q)
Core Storage BLDG	BLDG459	BLDG459	(A)
459 Annex	BLDG459A	BLDG459A	(A)
North Access Rd	FAC200	FAC200	(A)
CAS INSPECTOR SCHEDULE WEEK 26 (Jun 26 - Jul 2)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Rescue Truck	75Q004A	75Q004A	(A)
Air Compressor A & B	045073	45G400	(Q)
Condor 66 Aerial Platform	74W040	74W040	(M)

APPENDIX E **INSPECTION SCHEDULE**

CAS INSPECTOR SCHEDULE WEEK 27 (Jul 3-9)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Mechanical Overhead Door (Outside)	DOOR102	DOOR102	(Q)
Water Chiller	041087	41B890A	(S)
Water Chiller	041088	41B890B	(S)
Chilled Water Pump	041085	41B891A	(S)
Chilled Water Pump	041086	41B891B	(S)
H. M. Shield Door 155	041108	41N014	(Q)
Overhead Door (CH Side)	DOOR133	DOOR133	(A)
Gatehouse	BLDG475	BLDG475	(A)
CAS INSPECTOR SCHEDULE WEEK 28 (Jul 10-16)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
H. Mech. Overhead Door	DOOR140	DOOR140	(Q)
H. Mech. Overhead Door	DOOR159	DOOR159	(Q)
H. Elec. Clark Forklift (CH Bay)	041015	41H009	(Q)
Armory	BLDG473	BLDG473	(A)
CAS INSPECTOR SCHEDULE WEEK 29 (Jul 17-23)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Overhead Door (Outside)	DOOR101	DOOR101	(Q)
Overhead Door (Outside)	DOOR119	DOOR119	(Q)
Overhead Door (Outside)	DOOR124	DOOR124	(Q)
Overhead Door (CH Side)	DOOR131	DOOR131	(A)
H. M. Shield Door 145	041108	41N016	(Q)
RH HI Bay			
Air Handling Unit	045024	45B112	(S)
Air Compressor A & B	045073	45G403	(Q)
Toyota Diesel 6 Ton Forklift	000002	45H001	(A)

APPENDIX E **INSPECTION SCHEDULE**

CAS INSPECTOR SCHEDULE WEEK 30 (Jul 24-30)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Exhaust Fan	041033	41B806	(S)
H. M. Overpack 5 Ton	41H032A	41H032	(A)
Underhung Crane			
25 Ton Bridge Crane	41T130	41T130	(A)
5 Ton Hoist Crane	41T151B	41T151B	(S)
Exhaust Return Fan	045068	45B102	(S)
Exhaust Return Fan	045068	45B106	(S)
Exhaust Return Fan	045068	45B107	(S)
Exhaust Return Fan	045066	45B115	(S)
Warehouse	BLDG453	BLDG453	(A)

CAS INSPECTOR SCHEDULE WEEK 31 (Jul 31 - Aug 6)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Ambulance	075014	75Q006	(A)
Mech. Overhead Door	DOOR103	DOOR103	(Q)
(Outside)			
Air Handling Unit	041031	41B803	(S)
Exhaust Fan	41B805	41B805	(S)
H. M. Shield Door 156	041108	41N015	(Q)
Conveyance Loading			
Mining Electric Lift Truck	000002	74H010A	(M)
Vertical Up Tornado Door	DOOR135	DOOR135	(Q)
Exhaust Fan	45B650	45B650	(M)
Exhaust Fan	45B652	45B652	(M)

APPENDIX E INSPECTION SCHEDULE

CAS INSPECTOR SCHEDULE WEEK 32 (Aug 7-13)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
H. M. ACGLF Lift Fixture	041052	41T035	(A)
ACGLF	041052	41T034	(A)
Air Actuated Bulkhead	000009	74B215	(M)
NOTE We will only attend one PM. The rest of the bulkheads will be seen during the week. Here are the rest of the equipment #s: 74B216, 74B217, 74B218, 74B303, 74B305, 74B306 74B310, 74B318, 74B319, 74B320, 74B329, 74B330 74B335, 74B401, 74B402, 74B403, 74B415, 74B416, 74B429, 74B504, 74B509, 74B514, 74B515, 74B516, 74B517, 74B518, 74B520, 74B521			
CAS INSPECTOR SCHEDULE WEEK 33 (Aug 14-20)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Bulkhead Rollup Doors	000008	74B429	(S)
Mech. Shield Door	DOOR109	DOOR109	(Q)
Air Handling Unit	041031	41B804	(S)
Exhaust Shaft Filter BLDG	BLDG413	BLDG413	(A)
CAS INSPECTOR SCHEDULE WEEK 34 (Aug 21-27)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Bulkhead Manway Doors	000007	74B417	(Q)
NOTE We will only attend one PM. The rest of the bulkheads will be seen during the week. Here are the rest of the equipment #s: 74B201, 74B202, 74B204, 74B208, 74B209, 74B210, 74B211, 74B212, 74B214, 74B315, 74B335, 74B407, 74B410, 74B508, 74B510			
Safety & Emergency Services	BLDG452	BLDG452	(A)

APPENDIX E INSPECTION SCHEDULE

CAS INSPECTOR SCHEDULE WEEK 35 (Aug 28 - Sep 3)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
P&H Crane Hydraulic	075015	75H003	(S)
ACGLF Lift Fixture	041051	41T033	(S)
CAS INSPECTOR SCHEDULE WEEK 36 (Sep 4-10)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Mech. Overhead Door	DOOR006	DOOR006	(S)
Mech. Overhead Door	DOOR007	DOOR007	(S)
Mech. Overhead Door	DOOR008	DOOR008	(S)
Mech. Overhead Door	DOOR009	DOOR009	(S)
AIS Hoist House	FAC362	FAC362	(A)
AIS Winch House	FAC363	FAC363	(A)
Berms, Dikes, and Ponds	FAC200	FAC200	(A)
NOTE We will only attend one PM. The rest of the bulkheads will be seen during the week. Here are the rest of the equipment #s: 74B418, 74B419, 74B420, 74B421, 74B422, 74B428, 74B333, 74B334, 74B336, 74B345, 74B404, 74B405, 74B502, 74B503			(Q)
CAS INSPECTOR SCHEDULE WEEK 37 (Sep 11-17)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
LHD Dumptruck	074029	74U002A	(A)
LHD	074029	74U002B	(A)
Exhaust Return Fan	045068	45B137	(S)
Water Pumphouse	BLDG456	BLDG456	(S)
Water Storage Tank A	457A	457A	(A)
Water Storage Tank B	457B	457B	(A)
Lube Truck	074027	74U003	(M)
Portable Welder	74W001	74W001	(M)

APPENDIX E **INSPECTION SCHEDULE**

CAS INSPECTOR SCHEDULE WEEK 38 (Sep 18-24)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Bulkhead Rollup Doors	000008	74B325	(S)
Bulkhead Rollup Doors	000008	74B332	(S)
Haul Truck	074029	74U006A	(A)
Air Handling Unit	041071	41B870	(S)
Elec. DG # 2	025027	25PE504	(S)
EMIS Kubota Tractor	074027	74U021	(M)
EMIS Kubota Tractor	074027	74U022	(M)
EMIS Kubota Tractor	074027	74U023	(M)
EMIS Kubota Tractor	074027	74U024	(M)
Exhaust Fan	41B835	41B835	(M)
Exhaust Fan	41B836	41B836	(M)
Exhaust Fan	41B119	41B119	(M)
Air Dryer	45K400	45K400	(M)
Air Dryer	45K401	45K401	(M)
CAS INSPECTOR SCHEDULE WEEK 39 (Sep 25 - Oct 1)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Exhaust Return Fan	45B111	45B111	(S)
Mech. DG # 1	025035	25PE503	(A)
Tool Crib	BLDG454	BLDG454	(A)
NOTE We will only attend one PM. The rest of the bulkheads will be seen during the week.			(Q)
Here are the rest of the equipment #s:			
174B418, 74B419, 74B420, 74B421, 74B422,			
74B308, 74B309A, 74B309B, 74B507, 74B312			
74B313, 74B324, 74B327, 74B502, 74B512, 74B513			

APPENDIX E **INSPECTION SCHEDULE**

CAS INSPECTOR SCHEDULE WEEK 40 (Oct 2-8)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
U/G Exhaust Fan 650 HP	041025	41B700A	(S)
Hoisting Services	FAC384A	FAC384A	(A)
NOTE We will only attend one PM. The rest of the bulkheads will be seen during the week.			(Q)
Here are the rest of the equipment #s: 74B311, 74B317, 74B323, 74B326, 74B408, 74B413			
CAS INSPECTOR SCHEDULE WEEK 41 (Oct 9-15)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
EMIS Lift Truck	074027	52H007B	(A)
HL Dump Truck	074029	74U039	(A)
Haul Truck	074029	74U006B	(A)
Underground Ambulance	74Q011S	74Q011	(S)
H. Elec. AGLF Lift Fixture	041051	41T032	(S)
Getman Haul Truck	074027	74UE044	(M)
6 Ton Electrical Forklift	74H010B	74H010B	(M)
41 Ton Forklift	52H005A	52H005A	(A)
TRUPACT Maintenance Fac	BLDG412	BLDG412	(A)
Transporter	52H008A	52H008A	(A)
Transporter	52H008B	52H008B	(A)
Dosco Roadheader Miner	74UM066	74UM066	(M)
CAS INSPECTOR SCHEDULE WEEK 42 (Oct 16-22)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Air Dryer	041074	41K001	(S)
EMIS Fire Rescue Truck	074027	74Q014	(M)
Maintenance Shop	BLDG455	BLDG455	(A)
Atlas Rock Bolter	074027	74U111	(M)
Getman Haul Truck	074027	74UE043	(M)
Supply Truck With Crane	074027	74UE060	(M)
12 Ton Haul Truck	74U006B	74U006B	(M)

APPENDIX E **INSPECTION SCHEDULE**

CAS INSPECTOR SCHEDULE WEEK 43 (Oct 23-29)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Haul Truck	074029	74U006C	(A)
U/G Exhaust Fan 650 HP	041027	41B700B	(S)
H. M. 13 Ton Elec. Forklift	41H012A	41H012A	(S)
Marietta Miner		74U030	(M)
Getman Haul Truck	074027	74UE042	(M)
Roof Bolter	74UM057M	74UM057	(M)
20 Ton Diesel Forklift	52H125	52H125	(M)
Engineering Bldg	BLDG486	BLDG486	(A)
Getman Lift Truck	74U008	74U008	(M)
CAS INSPECTOR SCHEDULE WEEK 44 (Oct 30 - Nov 5)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
NDE Lift Truck	NDE	74H013	(A)
Air Dryer	41K002	41K002	(Q)
Support BLDG	BLDG451	BLDG451	(A)
EMIS Kubota Tractor	074027	74U020	(M)
Forklift	52H126	52H126	(M)
Getman Lift Truck	74U114	74U114	(M)
Fletcher Scaler	74U115	74U115	(M)
Diesel Powered Generator	74UE067	74UE067	(M)
6 Ton Diesel Forklift	52H007A	52H007A	(M)
CAS INSPECTOR SCHEDULE WEEK 45 (Nov 6-12)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Sullair Compressor BLDG	BLDG485	BLDG485	(A)
Miller Welder Portable	074027	74W001	(M)
Electric Shop	BLDG482	BLDG482	(A)
Skid Str Mini Scaler	074027	74U038	(M)
Electric Scissor Lift	74U071	74U071	(M)
LHD	74U105	74U105	(M)
LHD	74U117	74U117	(M)

APPENDIX E **INSPECTION SCHEDULE**

CAS INSPECTOR SCHEDULE WEEK 46 (Nov 13-19)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Air Compressor 125 Sullair	045071	45G010	(S)
32 Ton Salt Haul Truck	75H002	75H002	(M)
Waste Handling Building	BLDG411	BLDG411	(A)
CAS INSPECTOR SCHEDULE WEEK 47 (Nov 20-26)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Refrigerated Air Dryer	000002	45K001	(A)
Compressor Bldg	BLDG463	BLDG463	(A)
Sullair Compressor Bldg	BLDG485	BLDG485	(A)
CAS INSPECTOR SCHEDULE WEEK 48 (Nov 27 - Dec 3)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Chiller Facility	FAC414	FAC414	(A)
Telephone Hut	BLDG468	BLDG468	(A)
Exhaust Fan	41B816	41B816	(M)
Exhaust Fan	41B817	41B817	(M)
6 Ton LHD	74U002	74U002	(M)
Skid Steer	74U014	74U014	(M)
Milling Machine	74U033	74U033	(M)
Bridgeport Milling Mch	75W024	75W024	(M)
CAS INSPECTOR SCHEDULE WEEK 49 (Dec 4-10)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
U/G Exhaust Fan 250 HP	041044	41B860C	(M)
Milling Machine	074027	74U033	(M)
Exhaust Fan	41B878A	41B878A	(A)
Exhaust Fan	41B878B	41B878B	(M)
Exhaust Fan	45B118	45B118	(Q)
5 Ton Crane	41T151A	41T151A	(M)
ACGLF	0411051	41T170	(M)
Railroad			

APPENDIX E INSPECTION SCHEDULE

CAS INSPECTOR SCHEDULE WEEK 50 (Dec 11-17)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Forklift 6 Ton	074031	75H001	(A)
13 Ton Forklift	41H012B	41H012B	(A)
Secondary Roads	FAC200	FAC200	(A)
Trailer Jockey	41H030A	41H030A	(M)
Trailer Jockey	41H030B	41H030B	(M)
CAS INSPECTOR SCHEDULE WEEK 51 (Dec 18-24)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Astro Acr Welder	41Y115	41Y115	(A)
Camp Report			
CAS INSPECTOR SCHEDULE WEEK 52 (Dec 25-31)			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Camp Report			

APPENDIX E **INSPECTION SCHEDULE**

CAS INSPECTOR SCHEDULE FOR WASTE HANDLING EQUIPMENT			
EQUIPMENT DESCRIPTION	PM #	EQUIP #	DATE
Master Slave Manipulator	41T103C		(A)
15 Ton Bridge Crane	41T104		(A)
Hot Cell Waste Container	41T105		(S)
Graple Rotating Block	41T110		(Q)
25T Bridge Crane	41T130		(Q)
5 Ton Underhung Crane	41T151A		(A)
5 Ton Crane Load Cell	41T151A001		(A)
5 Ton Underhung Crane	41T151B		(A)
5 Ton Crane Load Cell	41T151B002		(A)
Lucker Proof Test Machine	41T156		(A)
RH Cask Transfer Car	41T157		(S)
Brudi Push Rack for 7 Pack	41T160A		(A)
Brudi Push Rack for 7 Pack	41T160B		(A)
Brudi Push Rack for 7 Pack	41T160C		(A)
TRU Pack Lifting Fixture	41T167		(Q)
ADH. Center Gravity Lift Fix	41T170		(A)
Hot Cell Shielding Windows	41V006		(A)
Hydro Sweeper	41W001A		(Q)
ADV Floor Scrubber	41W001B		(Q)
Facility Cask	41Z003		(Q)
Scissor Lift Platform	41Z004		(A)
Exhaust Fan	45B119		(Q)
Air Handling Unit	45B120		(S)
Exhaust Return Fan	45B121		(S)
Exhaust Fan	45B122		(S)
Air Handling Unit	45B125		(S)
Exhaust Fan	45B126		(S)
Exhaust Fan	45B127		(S)
Air Handling Unit	45B130		(S)
Air Handling Unit	45B131		(S)
Air Cool Condensing Unit	45B132		(S)
Air Cool Condensing Unit	45B133		(A)