

**Department of Energy**

Washington, DC 20585

October 5, 1999

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DNF SAFETY BOARD

The Honorable John T. Conway  
Chairman  
Defense Nuclear Facilities Safety Board  
625 Indiana Avenue, NW  
Suite 700  
Washington, D.C. 20004

Dear Mr. Chairman:

Enclosed is a computer print-out report from the Department's Corrective Action Tracking System (CATS). This report is a deliverable to you under Commitment 5.3.3 of the Department's Recommendation 98-1 Implementation Plan (IP). As discussed in the IP, the print-out reflects the accumulated issues and actions for the Department's legacy oversight reports, as well as oversight reports produced by the Office of Oversight since December 1998. The report is sub-divided into two sections which highlight which corrective actions have been completed and which remain open.

The Department has worked to provide your staff with ready access to the CATS database, which is greater than 92% populated. The Department continues to work toward full population of the database, and believes that it has completed actions related to Commitment 5.3.3 in the Recommendation 98-1 Implementation Plan. The Department proposes closure of this commitment. If you have any questions concerning this information, please contact me at (202) 586-1418 or Joe Hassenfeldt at (202) 586-1643.

Sincerely,

A handwritten signature in black ink, appearing to read "T. Wyka".

Theodore A. Wyka  
Director, Safety Management  
Implementation Team

Enclosure

cc: Mark B. Whitaker, Jr., S-3.1



Description	Completion Date
<b>Open</b>	
<b>Site: Brookhaven National Laboratory CSO - ER - Office Of Energy Research</b>	
<b>Report: Independent Oversight Evaluation of the Environment, Safety and Health Programs at the Brookhaven Na... - 04/01/1997</b>	
<b>Issue: Poor Implementation of Procedures for Control Hazards Site-wide - ES&amp;H standards for several hazards...</b>	
<b>Action: BNL-04/01/1997-I0006-0002-A</b>	
Development of Subject Areas electronically via the Standards Based Management System (SBMS) for Accident Investigations Standard; Asbestos Standard; Ergonomics Standard; Magnetic Fields Standard; Indoor Air Quality Standard; Lead Standard	
<b>Issue: Poor Management of Safety Issues - Inadequate management processes exist at BHG and BNL to ensure ES...</b>	
<b>Action: BNL-04/01/1997-I0003-0008-A</b>	
Develop infrastructure and management systems to support CCATS. Issue and Decision Paper to move the Commitments and Corrective Action Tracking System (CCATS) to ESH&Q/QM and revision of ESH STD 1.2.1i Commitment and Corrective Action Tracking Program	
<b>Site: DOE - Wide CSO - FM - Office of the Associate Deputy Secretary for Field Management</b>	
<b>Report: Independent Oversight Review of the Department of Energy Quality Assurance Program for Suspect/Count... - 03/01/1996</b>	
<b>Issue: Weaknesses in the Department's Suspect/Counterfeit Parts Program - Weaknesses exist in some importan...</b>	
<b>Action: DOEW-03/01/1996-I0001-0017-A</b>	
All sites will 1) identify critical systems, 2) inspect such systems for S/CI, and 3) take appropriate actions to dispose of any S/C parts. All sites will submit to Cognizant Secretarial Officers (cc to QAWG) either a) documentation of the above three steps or b) a full Corrective Action Plan to accomplish the above three steps. The QAWG will review field submitted documentation when endorsed and forwarded by CSO.	
<b>Site: East Tennessee Technology Park CSO - EM - Assistant Secretary for Environmental Management</b>	
<b>Report: Safety Management Evaluation of the Facility Disposition Programs at the East Tennessee Technology P... - 09/01/1997</b>	
<b>Issue: Management Systems and Infrastructure Weaknesses DOE and LMES management systems and infrastructures...</b>	
<b>Action: ETPP-09/01/1997-I0006-0002-A</b>	
Activities and job hazard analysis	03/31/99
<b>Report: Type A Accident Investigation Board Report of the February 13, 1997 Welding/Cutting Fatality at the ... - 04/01/1997</b>	
<b>Issue: JON-04 Concurrent with the EH-1 review, LMES needs to evaluate safety hazards for workers specific t...</b>	
<b>Action: ETPP-04/01/1997-I0004-0007-A</b>	
Revise and issue FP-111/Rev.4 into a procedure which reflects multiple hazard reviews for special instructions, review of permit precautions by management with welders/watchers, and fire watcher requirements and designation to watch welders.	05/30/97
<b>Issue: JON-06 - Concurrent with the EH-1 review of fire watch policy, LMES needs to review and revise, as a...</b>	
<b>Action: ETPP-04/01/1997-I0006-0010-A</b>	
Initial - Revise the lesson plan for the fire watch to incorporate FP-111/Rev.4 (Module 10389). Proposed - Incorporate Hands on training as a part of welding/burning/hotwork training. Revise SH A-2007, Welding/Burning/Hotwork, to require annual firewatch and fire extinguisher use training consistent with 29 CFR 1910.157.	

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**Description****Completion Date****Action: ETPP-04/01/1997-I0006-0011-A**

Initial - Revise the lesson plan for the issuing authorities and service supervisors to incorporate FP-111/Rev.4 (Module 11655). Proposed - A new training program (Safe Work Operations Workshop) will be developed and implemented for supervisors and issuing authorities. The program will include workshop exercises intended to provide consistent information and training on work control, planning, and hazard review. The

**Action: ETPP-04/01/1997-I0006-0012-A**

Initial - Initiate training for fire watch personnel (Module 10389). Proposed - Incorporate hands on training as a part of the welding/burning/hotwork training and require annual training for personnel with firewatch duties. Revise SH-A-2007, Welding/Burning/Hotwork, to require annual firewatch and fire extinguisher use training consistent with 29 CFR 1910.157.

**Action: ETPP-04/01/1997-I0006-0013-A**

Initial - Initiate training for issuing authorities and service supervisors (Module 11655). Proposed - Incorporated hands on training as a part of the welding/burning/hotwork training and require annual training for personnel with firewatch duties. Revise SH-A-2007 Welding/Burning/Hotwork, to require annual firewatch and fire extinguisher use training consistent with 29 CFR 1910.157.

**Issue: JON-09 - There is a need for LMES to clearly define in the Safety Work Permit Procedure that the Iss...**

**Action: ETPP-04/01/1997-I0013-0001-A**

The actions outlined for JONs 2 and 12 will address all of the issues contained in JON 9 12/01/98

**Action: ETPP-04/01/1997-I0013-0003-A**

Develop and implement a new training (Safe Work Operations Workshop) program for supervisors/issuing authorities. The program will include workshop oriented modules for issuing authority responsibilities and JHA development.

**Action: ETPP-04/01/1997-I0013-0004-A**

A new Field Services procedure will be developed that establishes facility management responsibilities. Individuals whose job duties include issuing authority responsibilities will be identified. This information will be communicated to the target audience in the Safe Work Operations Workshop.

**Issue: JON-10 There is a need for LMES to clarify the roles and responsibilities of K-25 issuing authorities...**

**Action: ETPP-04/01/1997-I0014-0007-A**

Actions discussed for JON 4 will address JON 11 when: - The actions outlined under JON 4 are complete, - A protocol is implemented to notify individuals when required training is expired. Supplement to Column E: Review of Issue file 150098, S5026, and BJC action #565 revealed that BJC was to provide consistent training to Field Service Supervisors on work control, permitting and Job Hazard Analysis (JHA)

**Action: ETPP-04/01/1997-I0014-0008-A**

Incorporate hands on training as a part of the welding/burning/hotwork training and require annual training for personnel with firewatch duties. Revise SH-A-2007, Welding/Burning/Hotwork, to require annual firewatch and fire extinguisher use training consistent with 29 CFR 1910.157. Obtain subject matter expert review of the training program to ensure consistency with SH-A-2007.

**Description****Completion Date****Action: ETPP-04/01/1997-I0014-0009-A**

Incorporate hands on training as a part of the welding/burning/hotwork training and require annual training for personnel with firewatch duties. Revise SH-A-2007, Welding/Burning/Hotwork, to require annual firewatch and fire extinguisher use training consistent with 29 CFR 1910.157.

**Action: ETPP-04/01/1997-I0014-0010-A**

Revise SH-A-2010 to include clearer wording that requires consideration of additional risks from multiple hazards and multiple controls. Examples of multiples hazards and multiple controls that could result in additional hazards will be included in the Safe Work Operations Workshop training program exercises.

**Issue: JON-11 There is a need for LMES to assure that issuing authorities, service supervisors, and other f...**

**Action: ETPP-04/01/1997-I0015-0001-A**

Actions discussed for JON 4 will address JON 11 when: - The actions outlined under JON 4 are complete, - A protocol is implemented to notify individuals when required training is expired. Supplement to Column E: Review of Issue file 150098, S5026, and BJC action #565 revealed that BJC was to provide consistent training to Field Service Supervisors on work control, permitting and Job Hazard Analysis (JHA)

12/01/98

**Action: ETPP-04/01/1997-I0015-0002-A**

Develop and implement new training program for supervisors/issuing authorities (Safe Work Operations Workshop). The training program will include workshop oriented modules for issuing authority responsibilities and JHA development.

**Site: Fernald Environmental Management Project CSO - EM - Assistant Secretary for Environmental Management**

**Report: Followup Review of 1996 Integrated Safety Management Evaluation at the Fernald Environmental Managem... - 10/01/1998**

**Issue: Deficiencies in the Conduct of Radiological Work The conduct of radiological operatons in the field ...**

**Action: Fernald-10/01/1998-I0001-0003-A**

FDF 8.3 FDF Radiological Compliance and Operations Assurance will assess radiological control conduct of operations by March 31, 1999, to validate improvements that are made in field operations as a result of the above actions.

**Report: Independent Oversight Evaluation of the Environment, Safety and Health Programs at the Fernald Envir... - 05/01/1996**

**Issue: Ineffective Tracking and Trending of Corrective Actions within FN and FDF Within FN and FDF, correct...**

**Action: Fernald-05/01/1996-I0003-0007-A**

FDF 2.5 In order to ensure that the enhanced assessment and corrective action process is continuing to function and improve as intended, FDF will schedule and conduct an assessment of representative self-assessments, independent assessments and corrective actions. Although typical audits already include a review of previously conducted assessments and corrective actions, this assessment will specifically evaluate

**Issue: Unclear Roles, Responsibilities and Authorities - Weaknesses exist in the definition of roles, respo...**

**Action: Fernald-05/01/1996-I0004-0002-A**

DOE 2.5 The DOE-FEMP will conduct self-assessments to assure that process changes made in the Technical Management Plan to formalize tracking and trending, transmitting findings, reviewing and approving FDF corrective action plans, and verifying and closing corrective actions are effective.

**Description**

**Completion Date**

**Site: Hanford Site CSO - EM - Assistant Secretary for Environmental Management**

**Report: Independent Oversight Evaluation of the Environment, Safety and Health Programs at the Hanford Site... - 04/01/1996**

**Issue: Weaknesses in RL and FDH Implementation of Corrective Action Management Program -The identification ...**

**Action: HS-04/01/1996-I0007-0001-A**

Revise RLP1000.1 to clearly identify the content for RL letters transmitting deficiencies to Hanford Contractors; include the criteria for determining whether RL or the Contractor is responsible for closing each deficiency. Issue Letters of Direction to FDH/PHMC to provide direction for processing and closing DOE items.

**Action: HS-04/01/1996-I0007-0003-A**

Revise RLP 1000.1 to address changes in the manner in which RL does business.

**Action: HS-04/01/1996-I0007-0005-A**

Determine if RL needs to provide further direction on risk ranking of deficiencies and if there is value added in having a consistent methodology for ranking risk across the site.

**Action: HS-04/01/1996-I0007-0007-A**

RL is working with FDH to improve their corrective action process and to ensure that the improved corrective action process meets RL's expectations.

**Action: HS-04/01/1996-I0007-0008-A**

FDH is working closely with RL in alignment sessions designed to address the expectations and success criteria of the Corrective Action Management Program. An agreed upon CAM/DTS Success Criteria will be developed and used to measure performance.

**Site: Idaho National Engineering & Environmental Laboratory CSO - EM - Assistant Secretary for Environmental Management**

**Report: Independent Oversight Evaluation of Emergency Management Programs Across the DOE Complex - 08/01/1998**

**Issue: Weaknesses in the INEEL emergency management include: some aspects of plans, procedures and training...**

**Action: INEEL-08/01/1998-I0001-0014-A**

The DOE-ID Emergency Plan which defines the ID role in INEEL Energy Management Program development and oversight, defines interfaces with State and Indian Agencies, and establishes the roles and responsibilities of the ID Management Duty Officers and the Facility Duty Officers needs to be re-implemented.

**Action: INEEL-08/01/1998-I0001-0015-A**

Utilize Hazard Identification and Mitigation (HIM) process with MCP-2398 for hazard identification and assessment.

**Report: Independent Oversight Evaluation of the Environment, Safety and Health Programs at the Idaho Nationa... - 10/01/1995**

**Issue: Compliance with Standards Weaknesses - ID and LMITCO have not ensured that managers, supervisors, an...**

**Action: INEEL-10/01/1995-I0003-0003-A**

Implement Requirements Flowdown, Conduct of Operations, Conduct Maintenance, and VPP.

**Action: INEEL-10/01/1995-I0003-0004-A**

Implement corrective actions for SMS Implementation Plan, Gap#1-Flowdown of Requirements.

**Description**

**Completion Date**

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**Issue: ID and LMITCO Assessment Programs Weaknesses - Weaknesses exist in ID and LMITCO ES&H assessment pro...**

**Action: INEEL-10/01/1995-I0004-0012-A**

Complete implementation of the enhanced issue management process.

**Action: INEEL-10/01/1995-I0004-0013-A**

Identify improvements to the issue management oversight process. (Perform in conjunction with corrective actions in 3.23.)

**Action: INEEL-10/01/1995-I0004-0014-A**

Implement a program to periodically assess the effectiveness and use of MCP-2811. This will include identifying relevant metrics and feedback/improvement mechanism.

**Issue: ID Training Weaknesses - ID has not assured that the existing training program is sufficient so that...**

**Action: INEEL-10/01/1995-I0005-0001-A**

Develop and implement a training program to ensure competence commensurate with responsibility (CCR). Roles and responsibilities shall be defined and senior management commitment achieved.

**Issue: LMITCO Safety-Related System Modifications Weaknesses - LMITCO has not ensured effective management ...**

**Action: INEEL-10/01/1995-I0002-0005-A**

Train facility managers on requirements for maintaining safety basis documentation current for nuclear facilities. Facility managers for non-nuclear and inactive facilities will be trained on requirements for keeping safety basis documentation current.

**Action: INEEL-10/01/1995-I0002-0009-A**

Implement a program to periodically assess the effectiveness of the engineering change control process (MCP-2811). This will include identifying relevant metrics and feedback/improvement mechanisms.

**Action: INEEL-10/01/1995-I0002-0011-A**

Revise Configuration Management Program core documents, including development of a CM policy, and revisions to implementing procedures and standards for operational CM. Include consideration of the need to maintain configuration information to ensure the safe disposition of facilities in the implementing procedures and standards.

**Action: INEEL-10/01/1995-I0002-0013-A**

Complete minor changes to CM supporting documents to conform to the changes in the operational CM core documents.

**Action: INEEL-10/01/1995-I0002-0014-A**

Develop CM recovery plans to reconstitute, based upon risk/benefit considerations, the design/authorization bases selected structure, systems, or components for which configuration management is not available.

**Report: Type A Accident Investigation Board Report August 13, 1996 Electrical Shock at TRA-609, Test Reactor... - 09/01/1996**

**Issue: JON-06 - LITCO needs to assure the risk-based compensatory requirements are defined and implemented ...**

**Action: INEEL-09/01/1996-I0006-0001-A**

Establish a requirement that employees using drawings verify that they are accurate. If the drawing cannot be verified to be accurate, require the user to walk down the portion of the drawing that he/she is using and resolve the differences between the drawing and the actual configuration before use.

**Description****Completion Date**

**Issue: JON-09 - LITCO needs to assure that the level of management review and approval is commensurate wit...**

**Action: INEEL-09/01/1996-I0009-0002-A**

Hazards and potential hazards identified in the worksite analysis must be prevented or minimized by the implementation of effective controls and measures. Some of the actions taken to facilitate this concept include on-site visits by safety professionals and planners at locations involving non-routine work chain of command and ownership for work packages will be included in the documentation. Site services Branch will

**Issue: JON-11 - ID needs to ensure that effective actions are identified, achievable milestones are agreed ...**

**Action: INEEL-09/01/1996-I0011-0009-A**

Complete implementation of the issue management process.

**Action: INEEL-09/01/1996-I0011-0010-A**

Identify improvements to the issue management oversight process. (Perform in conjunction with corrective actions in 3.23.)

**Report: Type A Accident Investigation Board Report of the July 28, 1998 Fatality and Multiple Injuries Resul... - 09/01/1998**

**Issue: JON-02 - ID and LMITCO need to assure effective quality assurance practices are in place to independ...**

**Action: INEEL-09/01/1998-I0002-0003-A**

Define the scope and upgrade the ID Quality Assurance Program to be in compliance with the DOE Order 5700.6C.

**Action: INEEL-09/01/1998-I0002-0005-A**

Develop line management oversight requirements and schedule, which ensure periodic assessment for compliance with design control requirements.

**Action: INEEL-09/01/1998-I0002-0006-A**

Complete required training on revised processes for those personnel affected.

**Action: INEEL-09/01/1998-I0002-0007-A**

Support DOE review of LMITCO Quality Assurance Program for programmatic deficiencies to determine the need for PAAA enforcement actions.

**Action: INEEL-09/01/1998-I0002-0012-A**

Implement a program to periodically assess the effectiveness of the engineering change control process (MCP-2811). This will include identifying relevant metrics and feedback/improvement mechanisms.

**Issue: JON-03 - ID in its capacity as the "Authority Having Jurisdiction" with respect to fire protection, ...**

**Action: INEEL-09/01/1998-I0003-0004-A**

Institutionalize mandatory criteria requiring ID design review of all new and modified special-hazard fire protection systems at the INEEL in a ID "requirements document." The document will direct the INEEL operating contractor to establish acceptable policy, program, and procedures for the review and approval of fire protection systems.

**Issue: JON-04 - LMITCO needs to verify the qualifications of its fire protection design personnel, ensure t...**

**Action: INEEL-09/01/1998-I0004-0005-A**

Develop lesson plans and complete training on procedure or requirements documents for vendor submittal process.

**Description****Completion Date****Issue: JON-05 - LMITCO needs to assure that safety basis documentation and procedures for inactive faciliti...****Action: INEEL-09/01/1998-I0005-0004-A**

Develop a plan for updating non-nuclear hazard assessments and safety analyses for those facilities for which the safety basis documentation has not been upgraded, updated, or does not currently exist. Self-assessment procedures will be revised to ensure that safety basis documentation is current. Funding request for this effort will be submitted to DOE as necessary.

**Action: INEEL-09/01/1998-I0005-0005-A**

Review and revise change control procedures to require screening proposed changes against safety basis documentation as necessary to ensure that the safety basis documentation is maintained current.

**Action: INEEL-09/01/1998-I0005-0009-A**

Train facility managers on requirements for maintaining safety basis documentation current for nuclear facilities. Facility managers for non-nuclear and inactive facilities will be trained on requirements for keeping safety basis documentation current.

**Action: INEEL-09/01/1998-I0005-0010-A**

Develop a facility hazards list (FHL) and related procedure for use and maintenance of database. Train personnel on the procedure and fundamentals of hazard identification, risk analysis and mitigation.

**Issue: JON-06 - ID and LMITCO management need to expedite the implementation of integrated safety managemen...****Action: INEEL-09/01/1998-I0006-0010-A**

Approve LMITCO Maintenance Manual/Procedures.

**Action: INEEL-09/01/1998-I0006-0012-A**

Complete an evaluation and gap analysis to identify roles and responsibilities deficiencies, and implement near-term corrective actions.

**Action: INEEL-09/01/1998-I0006-0013-A**

Complete SMS Implementation Plan actions

**Action: INEEL-09/01/1998-I0006-0017-A**

Assess the effectiveness of the Site Integrated Maintenance Plan through independent and self-assessments.

**Action: INEEL-09/01/1998-I0006-0018-A**

Using self-assessment, assess the effectiveness of the implementation of the new Site Integrated Maintenance program (STD-101).

**Action: INEEL-09/01/1998-I0006-0019-A**

Using independent assessment, assess the effectiveness of the implementation of the new Site Integrated maintenance Program (STD-101).

**Action: INEEL-09/01/1998-I0006-0020-A**

Measure and rank sites according to effectiveness in implementing the Site Integrated Maintenance Plan.

**Action: INEEL-09/01/1998-I0006-0023-A**

**Description****Completion Date**

Complete conduct of Operations chapter training, including training on the necessity and method to verify that hard-copy procedures are the current revision prior to using the hardcopy version.

**Action: INEEL-09/01/1998-I0006-0024-A**

Verify compliance with the integrated Conduct of Operations policy by independent and self-assessments.

**Action: INEEL-09/01/1998-I0006-0033-A**

Develop a policy summarizing the INEEL's vision for risk management.

**Action: INEEL-09/01/1998-I0006-0035-A**

Phase II ISM Verification (Stage 2): INTEC

**Action: INEEL-09/01/1998-I0006-0036-A**

Phase II ISM Verification (Stage 3): TAN, TRA, CFA, Town.

**Issue: JON-07 - LMITCO needs to strengthen the contribution of procedures to safety management and the cons...**

**Action: INEEL-09/01/1998-I0007-0004-A**

Implement Requirements Flowdown, conduct of Operations, Conduct of Maintenance, and VPP.

**Action: INEEL-09/01/1998-I0007-0005-A**

Implement corrective actions from SMS Implementation Plan, Gap #1-Flowdown of Requirements.

**Action: INEEL-09/01/1998-I0007-0006-A**

Perform independent assessment of integration of ESH&QA requirements into work planning and execution.

**Action: INEEL-09/01/1998-I0007-0011-A**

Include procedure use and compliance in the independent assessment of compliance to Conduct of Operations performed for corrective Action 3.6.4.22.

**Issue: JON-09 - LMITCO needs to update fire protection systems drawings and keep them updated to reflect mo...**

**Action: INEEL-09/01/1998-I0009-0003-A**

Develop as-built drawings for fire protection systems where they currently do not exist. (Essential/key drawings only).

**Action: INEEL-09/01/1998-I0009-0004-A**

"As-build" all fire protection drawings designated to be controlled as essential/key drawings and enter them into the document management control system.

**Action: INEEL-09/01/1998-I0009-0006-A**

Define, review, and as-build other identified safety systems drawings designated to be controlled as essential/key drawings.

**Action: INEEL-09/01/1998-I0009-0008-A**

Implement a program to periodically assess the effectiveness and use of MCP-2811. (See Sec. 3.2.)

**Action: INEEL-09/01/1998-I0009-0010-A**

Revise Configuration Management Program core documents, including development of a CM policy, and revisions to implementing procedures and standards for operational CM. Include consideration of the need to maintain configuration information to ensure the safe disposition of facilities in the implementing procedures and standards.

**Description****Completion Date****Action: INEEL-09/01/1998-I0009-0011-A**

Train affected personnel in revised core CM policies and procedures and issue the core policies and procedures as effective documents.

**Action: INEEL-09/01/1998-I0009-0012-A**

Complete minor changes to CM supporting documents to conform to the changes in the operational CM core documents.

**Action: INEEL-09/01/1998-I0009-0013-A**

Develop CM recovery plans to reconstitute, based upon risk/benefit considerations, the design/ authorization bases of selected structures, systems, or components for which configuration management information is not available.

**Issue: JON-11 - DOE needs to actively campaign to improve consensus standards and in the interim should con...**

**Action: INEEL-09/01/1998-I0011-0006-A**

EH-51 fire safety professionals have submitted proposals to the NFPA committees responsible for NFPA 72, "The National Fire Alarm Code," and NFPA 12, "Carbon Dioxide Extinguishing Systems," to reflect lessons learned from the INEEL fatality. Pending revisions to these codes, EH has issued an April 1999 Safety and Health Bulletin (99-1) and a July 1999 Safety Notice (99-01) addressing design safeguards for carbon

**Issue: JON-13 - LMITCO needs to improve the work control system by providing additional guidance on the per...**

**Action: INEEL-09/01/1998-I0013-0004-A**

Develop and implement requirements to maintain a controlled list (hazards analysis database) of known building or area specific hazards, and standardize mitigation barriers for each INEEL building/facility. Require planners to incorporate the applicable information from the list into each work order.

**Action: INEEL-09/01/1998-I0013-0013-A**

Independently assess the implementation progress of the corrective actions identified in this section of the response to the JONs in the Investigation Report.

**Issue: JON-14 - LMITCO needs to provide additional management attention to assure the effectiveness of the ...**

**Action: INEEL-09/01/1998-I0014-0013-A**

Perform an independent assessment of the progress of implementing the Corrective actions identified in this section.

**Issue: JON-15 - LMITCO needs to provide additional guidance in the outage request procedure to assure docum...**

**Action: INEEL-09/01/1998-I0015-0003-A**

Review and revise the outage process (MCP-2) to include: · Providing more detail and clarification of the overall outage process · Identification of roles and responsibilities for personnel associated with the outage process as identified in MCP-2 · Lesson plan, target audience by name, training attendance goal, TRAIN list of attendees, and analysis to show attendance goal was achieved for any training required to implement the revised

**Issue: JON-16 - LMITCO needs to institutionalize training and incorporate information about CO2 hazards int...**

**Action: INEEL-09/01/1998-I0016-0011-A**

Develop and provide training to affected personnel on any additional facility-specific hazards that were determined to be missing from INEEL Site Access Training. Include basic hazard identification training, emphasizing the employee role in identifying and controlling hazards as a part of INEEL Site Access Training.

**Description****Completion Date**

**Issue: JON-19 - ID and LMITCO need to strengthen the INEEL issues management process to assure effective pr...**

**Action: INEEL-09/01/1998-I0019-0008-A**

Complete training of personnel on the process.

**Action: INEEL-09/01/1998-I0019-0010-A**

Identify improvements to the issue management oversight process. (Perform in conjunction with corrective actions in 3.23.)

**Action: INEEL-09/01/1998-I0019-0024-A**

Perform assessment of corrective action effectiveness and report CARBs and SORB in March and September of 1999.

**Issue: JON-21 - ID and LMITCO need to improve analysis and control of incremental reductions in funding for...**

**Action: INEEL-09/01/1998-I0021-0004-A**

Incorporate the core INEEL ES&H infrastructure and change control process into the Safety Authorization Basis or parallel ISM Safety Authorization Agreement and ES&H Management Plan.

**Issue: JON-22 - LMITCO needs to conduct a risk benefit analysis on the continued need for CO2 fire suppress...**

**Action: INEEL-09/01/1998-I0022-0002-A**

Review risk benefit analysis for systems identified in LMITCO actions 12.22.4.3 and 12.22.4.5 (If changes to systems are proposed ID must review the design changes and perform field inspections on any resulting system modifications).

**Action: INEEL-09/01/1998-I0022-0005-A**

Evaluate and perform risk/benefit analysis for existing special hazard fire suppression systems.

**Action: INEEL-09/01/1998-I0022-0006-A**

Institutionalize the requirement to perform a risk/benefit analysis on all special hazard fire suppression systems that may be installed.

**Action: INEEL-09/01/1998-I0022-0007-A**

Develop a risk-based process for ensuring that process hazard analyses are performed on other hazardous systems at the site. This includes design and design change processes.

**Action: INEEL-09/01/1998-I0022-0008-A**

Identify and prioritize hazardous systems at the site. Develop a schedule to perform risk/benefit analyses on the high hazard systems at the site. This activity will be performed in conjunction with 3.5.4.9. Perform risk/benefit analyses on at least five identified high hazardous systems by 8/9. Complete the risk/benefit analyses on remaining high hazardous systems per schedule.

**Report: Type A Accident Investigation Board Report on February 20, 1996 Fall Fatality at the Radioactive Was... - 03/01/1996**

**Issue: JON-01 - Caddell line management and safety personnel need to implement existing safety requirements...**

**Action: INEEL-03/01/1996-I0001-0002-A**

LMITCO has produced a draft "ability to-work" Policy (see Appendix G). The policy was generated by representatives from Legal, Medical, Project Management, Human Resources, Procurement, and Safety and Health. The policy is in final review and being prepared for incorporation into LMITCO policy and procedures.

**Description****Completion Date****Action: INEEL-03/01/1996-I0001-0003-A**

LIMITCO will provide employee and subcontractor knowledge of the work analysis processes. LIMITCO will continue to emphasize the appropriate use of physical barriers, administrative barriers, and protective equipment to all employees and subcontractors.

**Issue: JON-03 - LITCO needs to carefully evaluate, post and control radiological boundaries so that safety ...**

**Action: INEEL-03/01/1996-I0003-0003-A**

Review documentation associated with radcon boundary access to ensure the guidance does not imply more restriction than is required. Modify any radcon associated documents that need to be changed to encourage necessary access.

**Issue: JON-04 - LITCO and Idaho Operations Office oversight programs need to be better balanced between fie...**

**Action: INEEL-03/01/1996-I0004-0003-A**

Current safety and oversight staffing levels and staff expertise will be evaluated to assure appropriate resource allocation to programs based on safety and health risks. Develop a LIMITCO Company with wide Hazard Prevention and Control Manual.

**Issue: JON-05 - Caddell and LITCO need to ensue that safety personnel inspect changing work conditions for ...**

**Action: INEEL-03/01/1996-I0005-0003-A**

Establish criteria that triggers work site inspection/reinspection to identify S&H hazards introduced by changing conditions. Add criteria to MCP-2727, "Performing Safety Reviews".

**Site: Lawrence Livermore National Laboratory CSO - DP - Assistant Secreary for Defense Programs**

**Report: Integrated Safety Management Evaluation of the Lawrence Livermore National Laboratory - 11/01/1997**

**Issue: Emergency Management Deficiencies The hazard analyses that support the LLNL emergency management pro...**

**Action: LLNL-11/01/1997-I0001-0001-A**

"The hazard analyses that support the LLNL emergency management program including methodology, scope and documentation, are not performed with sufficient rigor to ensure that the Laboratory is able to respond to the full spectrum of potential operational emergencies. LLNL has not established formal work processes, methodologies, or procedures to govern the conduct of these analyses. Site-wide processes are not

**Action: LLNL-11/01/1997-I0001-0008-A**

Hazards assessments will be conducted and emergency action levels developed and submitted to DOE/OAK. The entire Emergency Preparedness Program has been redesigned, including hazard assessments. In the redesign, the hazard assessment process has been tied to the safety analysis report (SAR) process, by having the same staff that oversees the SARs be responsible for the hazard assessments. This gives the

**Action: LLNL-11/01/1997-I0001-0009-A**

The Emergency Plan and Implementing Procedures will be rewritten and submitted to DOE/OAK.

**Issue: Inadequate OAK Assessment Programs OAK assessments of contrator ES&H performance have not been effec...**

**Action: LLNL-11/01/1997-I0002-0008-A**

OAK assessments of contractor ES&H performance have not been effective in providing timely feedback on deficiencies, evaluation of causes, and verification of the effectiveness of corrective actions. Given the weaknesses in the Lawrence Livermore National Laboratory (LLNL) self-assessment program and safety performance concerns, continued and additional OAK monitoring and appraisal beyond the day-to-day

**Description****Completion Date****Action: LLNL-11/01/1997-I0002-0011-A**

OAK assessments of contractor ES&H performance have not been effective in providing timely feedback on deficiencies, evaluation of causes, and verification of the effectiveness of corrective actions. Given the weaknesses in the Lawrence Livermore National Laboratory (LLNL) self-assessment program and safety performance concerns, continued and additional OAK monitoring and appraisal beyond the day-to-day

**Issue: Inadequate Subcontractor Safety Management Contractual ES&H requirements are inadequate, and line ma...**

**Action: LLNL-11/01/1997-I0007-0011-A**

"Contractual ES&H requirements are inadequate, and line management oversight is ineffective for many small subcontracts. Large construction contracts are subject to pre-qualification based on the subcontractor's safety record, and the large contracts incorporate ES&H safety plans commensurate with the level of risks involved in the project. Subcontractor performance is managed, and adequate oversight is employed in

**Action: LLNL-11/01/1997-I0007-0012-A**

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**Issue: Lack of Effective Work Planning and Hazard Control LLNL does not have a common site-wide, integrated...**

**Action: LLNL-11/01/1997-I0006-0001-A**

"LLNL does not have a common site-wide, integrated work planning and control process or mechanism that encompasses all site activities and effectively applies the core functions of integrated safety management appropriate to the level of hazard. Although some work activities are well defined and hazards are adequately controlled, other activities are not effectively controlled; and mechanisms are not established to

**Action: LLNL-11/01/1997-I0006-0003-A**

"LLNL does not have a common site-wide, integrated work planning and control process or mechanism that encompasses all site activities and effectively applies the core functions of integrated safety management appropriate to the level of hazard. Although some work activities are well defined and hazards are adequately controlled, other activities are not effectively controlled; and mechanisms are not established to

**Action: LLNL-11/01/1997-I0006-0005-A**

"LLNL does not have a common site-wide, integrated work planning and control process or mechanism that encompasses all site activities and effectively applies the core functions of integrated safety management appropriate to the level of hazard. Although some work activities are well defined and hazards are adequately controlled, other activities are not effectively controlled; and mechanisms are not established to

**Action: LLNL-11/01/1997-I0006-0010-A**

"LLNL does not have a common site-wide, integrated work planning and control process or mechanism that encompasses all site activities and effectively applies the core functions of integrated safety management appropriate to the level of hazard. Although some work activities are well defined and hazards are adequately controlled, other activities are not effectively controlled; and mechanisms are not established to

**Description****Completion Date****Action: LLNL-11/01/1997-I0006-0016-A**

"LLNL does not have a common site-wide, integrated work planning and control process or mechanism that encompasses all site activities and effectively applies the core functions of integrated safety management appropriate to the level of hazard. Although some work activities are well defined and hazards are adequately controlled, other activities are not effectively controlled; and mechanisms are not established to

**Issue: Policy and Leadership Inadequate for Cultural Change Senior management's expectations for enhancing ...**

**Action: LLNL-11/01/1997-I0005-0002-A**

"Senior management's expectations for enhancing safety management have not been effectively incorporated into LLNL policy implementation documents. Senior management's expectations for enhancing safety management have not been effectively incorporated into LLNL policy implementation documents and mechanisms. (sic)

Consequently, these expectations have not been integrated into mission activities, work

**Action: LLNL-11/01/1997-I0005-0004-A**

"Senior management's expectations for enhancing safety management have not been effectively incorporated into LLNL policy implementation documents. Senior management's expectations for enhancing safety management have not been effectively incorporated into LLNL policy implementation documents and mechanisms. (sic)

Consequently, these expectations have not been integrated into mission activities, work

**Action: LLNL-11/01/1997-I0005-0009-A**

"Senior management's expectations for enhancing safety management have not been effectively incorporated into LLNL policy implementation documents. Senior management's expectations for enhancing safety management have not been effectively incorporated into LLNL policy implementation documents and mechanisms. (sic)

Consequently, these expectations have not been integrated into mission activities, work

**Action: LLNL-11/01/1997-I0005-0010-A**

"Senior management's expectations for enhancing safety management have not been effectively incorporated into LLNL policy implementation documents. Senior management's expectations for enhancing safety management have not been effectively incorporated into LLNL policy implementation documents and mechanisms. (sic)

Consequently, these expectations have not been integrated into mission activities, work

**Site: Los Alamos National Laboratory CSO - DP - Assistant Secretary for Defense Programs**

**Report: Electrical Accident with Injury in Technical Area 21, Tritium Science and Fabrication Facility - 04/01/1996**

**Issue: JON-03 LANL management needs to develop and standardize Laboratory programs that crosscut all the Fa...**

**Action: LANL-04/01/1996-I0003-0002-A**

COMPLETE IMPLEMENTATION OF THE INSTITUTIONAL WORK CONTROL  
PROCESS, IMPLEMENT FMU AGREEMENT PROCESS TO ADDRESS  
STANDARDIZATION OF MANAGEMENT PROGRAMS.

03/31/97

**Issue: JON-04 LANL management needs to assure that Laboratory projects, such as the Waste Stream Correction...**

**Action: LANL-04/01/1996-I0004-0002-A**

Update for 1998 EH Report: Since January of 1998, LIR 230-03-00.1 for Work Control was revised and issued to all Laboratory organizations for implementation. The recommendation to provide training in the preparation of work packages to ensure proper scoping of work and subsequent hazard analysis was implemented. Organizations F-9 and ESH has conducted self-assessments of the work control process at all FMUs on a

Description	Completion Date
<b>Issue: JON-06 LANL management needs to develop a process/procedure to confirm that Laboratory-wide actions,...</b>	
<b>Action: LANL-04/01/1996-I0006-0005-A</b>	
Update for 1998 EH Report: Stop work orders provide notifications to FMUs and are required to be documented. Facility tenant agreement and JCNNM and contractors are now consistent with the LIR on Stop Work and Restart, (LIR 401-10-01.0). The ES&H contractual provisions for subcontractors include a provision that laboratory requirements be followed.	12/24/98
<b>Issue: JON-10 - Based on other DOE site experience, the AL Manager and the LAAO Area Manager need to reeval...</b>	
<b>Action: LANL-04/01/1996-I0009-0002-A</b>	
AGREEMENTS THAT WERE VERBALLY OBTAINED IN THE FEBRUARY 1996 MEETING INCLUDE: - LANL-FSS WILL REVIEW SWOS TO ELIMINATE IMPROPER ORDERS. - LANL-FSS WILL PERFORM AN OVERALL REVIEW OF SWOS TO ENSURE THAT HAZARD ASSESSMENTS ARE PERFORMED FOR ALL WORK. (INITIALLY IMPLEMENTED BY LANL MEMORANDA DATED JANUARY 18,	
<b>Action: LANL-04/01/1996-I0009-0003-A</b>	
THE ASSISTANT AREA MANAGER FOR FACILITY OPERATIONS, LAAO WILL REVIEW AND CONCUR IN THE FINAL LIST OF LANL SWOS.	
<b>Issue: JON-12 LANL and JCI management need to revise Laboratory procedures to emphasize the requirement for...</b>	
<b>Action: LANL-04/01/1996-I0012-0005-A</b>	
Update for 1998 EH Report: The LIR concerning excavation/penetrations procedures have been revised to include clarification on safety requirements. It is in the last stage of review and will be issued shortly. The issue of electrical penetrations was referenced in the Electrical Safety LIR 402-600-01.1 There is a specific section in the LIR that includes procedures that must be completed prior to commencing a penetration and the additional	
<b>Issue: JON-13 - LANL management needs to assess the critical power requirements for Building TA-21-209 and ...</b>	
<b>Action: LANL-04/01/1996-I0013-0003-A</b>	
Update for 1998 EH Report: Since January of 1998, 40% of the temporary power plans were prepared; however, the lack of funding prevented further work on all plans. Major facilities such as, CMR, TA-55, TSTA, WETF, have emergency generators dedicated for emergency power. These generators are tested and inspected on a monthly basis.	
Further engineering analysis will be conducted to access other emergency power	
<b>Issue: JON-19 The LAAO Area Manager needs to review the assignments and activities of the Facility Represent...</b>	
<b>Action: LANL-04/01/1996-I0019-0001-A</b>	
THE ASSISTANT AREA MANAGER FOR FACILITY OPERATIONS, LAAO HAS RESTRUCTURED THE OFFICE OF FACILITY OPERATIONS TO REMOVE COLLATERAL DUTIES FROM FACILITY REPRESENTATIVES (FRS) AND ALLOW FRS MORE TIME TO FOCUS ON SURVEILLANCE ACTIVITIES. ACTIONS TAKEN INCLUDE: ITEM 1 - ESTABLISHING A NEW POSITION OF SAFETY AND HEALTH	
<b>Issue: JON-21 AL, LAAO, and the Los Alamos EH Residents Office need to track all corrective actions propose...</b>	
<b>Action: LANL-04/01/1996-I0021-0003-A</b>	
THE ASSISTANT AREA MANAGER FOR FACILITY OPERATIONS, LAAO AND THE DIRECTOR, OSHD WILL VERIFY COMPLETION OF LANL CORRECTIVE ACTIONS. THIS VERIFICATION PROCESS WILL INCLUDE THE EH SITE RESIDENTS. THE PRIMARY METHOD FOR VERIFICATION WILL BE TO ACCOMPANY THE LANL AUDITS AND APPRAISALS (AA) OFFICE DURING THEIR CORRECTIVE ACTION	

Description	Completion Date
<b>Issue: JON-24 LANL management needs to implement effective work planning and control procedures and trainin...</b>	
<b>Action: LANL-04/01/1996-I0024-0002-A</b>	
PROVIDE WELL-DEFINED CRITERIA TO THE FMUs FOR WORK REVIEW AND HAZARD ASSESSMENT.	03/28/97
<b>Report: Independent Oversight Evaluation of Emergency Management Programs Across the DOE Complex (Volume 2: ... - 08/08/1998</b>	
<b>Issue: LANL Emergency Management Program Weaknesses - Weaknesses in the LANL emergency management program i...</b>	
<b>Action: LANL-08/08/1998-I0001-0007-A</b>	
Weakness 1: Management systems are not in place to ensure the validity, accuracy, and appropriate use of Hazards Assessments within Work for Others (WFO). Emergency Management and Response (EM&R) is now receiving bulk shipment notification. The Automated Chemical Inventory System (ACIS) was modified to provide notification to EM&R when chemicals have exceeded federal regulations. The Work for Others	
<b>Action: LANL-08/08/1998-I0001-0009-A</b>	
Weakness No. 3: The LAAO management systems do not assure consistent and effective implementation of all emergency management responsibilities. Corrective Action and Objective Evidence: 1. An Emergency Management Plan will be developed that clearly delineates the roles and responsibilities of emergency management within the OFO. 2. The Safety and Health Team Program Management document will be	
<b>Report: Independent Oversight Evaluation of the Environment, Safety and Health Programs at the Los Alamos Na... - 10/01/1996</b>	
<b>Issue: An Integrated Site-wide Requirements Management System Does not Exist at LANL - AL, LAAO, and LANL h...</b>	
<b>Action: LANL-10/01/1996-I0003-0001-A</b>	
LANL Response: LANL used the Necessary and Sufficient Closure Process to develop a set of Work Smart Standards. The standards were included in the 1997 contract extension in October 1997. The ISM Change Control Board has been given the authority to act as the Convened Group for changes to the Work Smart Standards (WSS). The Change Control Board meets quarterly and recommends appropriate	
<b>Issue: DOE Authorization Basis Documents Process does not Ensure Timely Approval for the Establishment of F...</b>	
<b>Action: LANL-10/01/1996-I0004-0001-A</b>	
AL has initiated several efforts to ensure Authorization Basis (AB) documents are approved in a more timely manner. These efforts include organizational changes as well as addressing the structure and rigor of the review process. Rigorous review of AB documents is dependent on providing clear direction to an appropriate number of personnel with the needed operational knowledge and technical expertise. To this end,	
<b>Issue: Ineffective Implementation of Conduct of Operations Principles - LANL senior management has not ensu...</b>	
<b>Action: LANL-10/01/1996-I0008-0001-A</b>	
As a result of the necessary and sufficient closure process, DOE Order 5480.19 was not selected as a Work Smart Standard. To introduce the required level of formality of operations into the Los Alamos Safety requirement system, the philosophies and guidance of 5480.19 have been incorporated into three documents. The ISM System Description, LA-UR-998-2837, Rev.3, Section 5.5.3 sets a requirement for using the	
<b>Issue: LANL has not Established a Configuration Management Process - LANL has not established a configurati...</b>	
<b>Action: LANL-10/01/1996-I0010-0001-A</b>	

Description	Completion Date
<p>The Laboratory has established a plan for implementation of configuration management (CM) within the facility management units. The Facility and Waste Operations Division (FWO) has overall responsibility to ensure CM is implemented across the Laboratory. CM has been adopted as part of the ISM implementation process and is being tracked on the I-Track system. There is a schedule identified to complete CM at each Facility</p> <p><b>Issue: LANL is not Complying with its Established Radiological Control Standards - LANL is not adequately c...</b></p>	
<p><b>Action: LANL-10/01/1996-I0011-0001-A</b></p>	
<p>For the past three years the "Established Radiological Control Standards" that apply to DOE contractors have been embodied in 10 CFR 835. The Laboratory has made an explicit connection of the Radiation Protection LIRs to 10 CFR 835. Thus the 'standards' referred to are explicitly implemented through the Laboratory LIR system. We are aware of only two requests for a variance from the requirements of the LIRs. ISM</p>	02/12/99
<p><b>Issue: Staffing and Qualification of Certain AL, LANL, and Subcontractor Safety Significant Positions are W...</b></p>	
<p><b>Action: LANL-10/01/1996-I0016-0001-A</b></p>	
<p>LANL Response: The ISM Plan established expectations for the qualification, responsibilities and training of LANL managers, facility managers and ES&amp;H deployed professionals. The Laboratory Training Program builds the knowledge, skills, and abilities of the Laboratory workforce, commensurate with their assigned jobs, to support the safe and environmentally responsible performance of Laboratory work. The</p>	
<p><b>Site: Miamisburg Environmental Management Project CSO - EM - Assistant Secretary for Environmental Management</b></p>	
<p><b>Report: Integrated Safety Management Evaluation of the Miamisburg Environmental Management Project - 07/01/1998</b></p>	
<p><b>Issue: Assessment and Corrective Action Deficiencies Weaknesses exist in DOE and BWO processes for assessin...</b></p>	
<p><b>Action: MEMP-07/01/1998-I0008-0017-A</b></p>	
<p>MEMP-M298.3 - Review and revise, as necessary, individual Performance Appraisal Plans to reflect field time expectations.</p>	
<p><b>Action: MEMP-07/01/1998-I0008-0023-A</b></p>	
<p>MEMP-M301.3 - Revise the OH Directives System Process document to include specific guidance to the Project Offices for requirements management</p>	
<p><b>Issue: Emergency Management Deficiencies DOE-MEMP and BWO have not adequately implemented the requirement o...</b></p>	
<p><b>Action: MEMP-07/01/1998-I0006-0013-A</b></p>	
<p>MEMP-M286.1 - Exercise the assigned emergency management duties of MEMP managers during emergency management site wide drill.</p>	11/30/98
<p><b>Issue: Inadequate Leadership for Safety at Mound EM, OH and DOE-MEMP, as well as BWO have not consistently ...</b></p>	
<p><b>Action: MEMP-07/01/1998-I0005-0003-A</b></p>	
<p>BWO-M3.3 - Fully implement ISM</p>	
<p><b>Issue: Inadequate Work Planning and Control DOE-MEMP and BWO do not have consistent formal procedures and c...</b></p>	
<p><b>Action: MEMP-07/01/1998-I0007-0008-A</b></p>	
<p>MEMP-M292.2 - Identify, train, and qualify personnel to support project reviews in accordance with the OH/MEMP procedure for reviewing and approving project work plans</p>	
<p><b>Issue: Ineffective Basis for MEMP Nuclear Facilities The authorization basis documents used for many nuclea...</b></p>	

**Description****Completion Date****Action: MEMP-07/01/1998-I0003-0011-A**

MEMP-M279.2 - Identify, train, and qualify DOE personnel responsible for reviewing and approving safety documentation.

**Action: MEMP-07/01/1998-I0003-0013-A**

MEMP-M281.2 - OH and MEMP will verify implementation of BIOs by performing a documented review of BWO controls and commitments identified in the BIOs.

**Issue: Ineffective Identification of Standards and Requirements While progress is being made in developing ...**

**Action: MEMP-07/01/1998-I0009-0003-A**

BWO-M169.1 - Provide requested information to DOE.

08/15/98

**Issue: Lack of Clear DOE Safety Policy for Leasing Properties to Private Companies DOE has not fully develo...**

**Action: MEMP-07/01/1998-I0002-0002-A**

MEMP-M80.1 - Formalize MEMP process to approve subleases for new tenants.

Currently, MEMP approves subleases for new tenants, subject matter experts (SMEs) review the proposed commercial operation for potential impacts on DOE operations.

SMEs also review DOE operations in the vicinity of the proposed commercial operation in order to determine potential impacts nearby DOE operations may have on the lessee.

**Action: MEMP-07/01/1998-I0002-0003-A**

MEMP-M184.1 - Ensure GERT training requirements, for those tenants desiring unescorted access to DOE radiologically-controlled areas, are adequately addressed in the site orientation training module currently under development by the MMCIC. GERT training is administered by DOE, and exam is required, and the training must be repeated every two years.

**Action: MEMP-07/01/1998-I0002-0005-A**

MEMP-M186.1 - Ensure emergency management requirements such as training, evacuation, and accountability for tenants are adequately addressed in site orientation training module currently under development by the MMCIC and/or the MMCIC's Evacuation/Take Shelter procedure.

**Issue: Weaknesses in the Definition and Understanding of Safety Responsibilities EM, OH, DOE-MEMP and BWO r...**

**Action: MEMP-07/01/1998-I0001-0003-A**

BWO-M14.3. Review and revise as necessary all salaried position descriptions to reflect BWO organizational structure and mission. Ensure position descriptions describe responsibilities for safety management systems.

**Action: MEMP-07/01/1998-I0001-0006-A**

BWO-M100.1 Review and revise as necessary all salaried position descriptions to reflect BWO organizational structure and mission. Ensure position descriptions describe responsibilities for safety management systems.

**Action: MEMP-07/01/1998-I0001-0016-A**

MEMP-M269.1 - Performance Appraisal Plans for all DOE-OH and MEMP Senior Managers will be reviewed to ensure that a critical performance element explicitly establishes accountability or safety performance. This performance requirement will be modified as required to incorporate the guiding principles of DOE Order 450.5.

**Action: MEMP-07/01/1998-I0001-0017-A**

Description	Completion Date
<p>MEMP-M270.1 - 1. Perform a documented review of the MEMP Technical Management Plan (TMP) to ensure the Plan provides detailed guidance on responsibilities for technical oversight for project managers and technical support staff within MEMP.</p>	
<p><b>Site: Nevada Test Site CSO - DP - Assistant Secretary for Defense Programs</b></p>	
<p><b>Report: Focused Safety Management Evaluation of the Nevada Test Site - 04/01/1999</b></p>	
<p><b>Issue: BN has not Fully Implemented a Management Assessment Program BN has not fully implemented a manage...</b></p>	
<p><b>Action: NTS-04/01/1999-I0013-0001-A</b></p>	
<p>Validate the implementation of BN corrective actions</p>	
<p><b>Issue: BN has not Fully Implemented Systematic Process for Issue Prioritization, Tracking, Trending and Ana...</b></p>	
<p><b>Action: NTS-04/01/1999-I0007-0001-A</b></p>	
<p>Validate the implementation of BN corrective actions</p>	
<p><b>Issue: DOE Organizational Approach for Approving Work and Overseeing Activities not Adequately Defined The ...</b></p>	
<p><b>Action: NTS-04/01/1999-I0001-0001-A</b></p>	
<p>Develop a DOE/NV Work Authorization System Directive.</p>	08/12/99
<p><b>Action: NTS-04/01/1999-I0001-0007-A</b></p>	
<p>Develop/modify base qualification standards for all position categories defined in the new DOE/NV Work Management System Directive.</p>	
<p><b>Action: NTS-04/01/1999-I0001-0008-A</b></p>	
<p>Develop training modules to satisfy base qualification standards for all position categories defined in the new DOE/NV Work Management System Directive.</p>	
<p><b>Action: NTS-04/01/1999-I0001-0009-A</b></p>	
<p>Develop a database for tracking, trending, and reporting of oversight assessment results.</p>	
<p><b>Action: NTS-04/01/1999-I0001-0010-A</b></p>	
<p>Develop "templates" to guide the collection of specific oversight assessment information to be used in measuring key ISM operational performance.</p>	
<p><b>Action: NTS-04/01/1999-I0001-0011-A</b></p>	
<p>Identify and revise all DOE/NV Orders to conform to the new DOE/NV Work Management System Directive.</p>	
<p><b>Action: NTS-04/01/1999-I0001-0012-A</b></p>	
<p>Identify all DOE/NV personnel assigned to position categories defined in the new DOE/NV Work Management System Directive.</p>	
<p><b>Action: NTS-04/01/1999-I0001-0014-A</b></p>	
<p>Complete training for all DOE/NV personnel in assigned position categories as defined in the new DOE/NV Training Directive</p>	
<p><b>Action: NTS-04/01/1999-I0001-0015-A</b></p>	
<p>Validate the implementation of DOE/NV corrective actions.</p>	
<p><b>Issue: NV and BN have not Implemented Effective Mechanisms to Ensure Potential Hazards Identified Other tha...</b></p>	
<p><b>Action: NTS-04/01/1999-I0009-0003-A</b></p>	
<p>Develop mechanisms for improving the review of hazard analyses by DOE/NV professionals using any positive aspects of the subcritical process</p>	

Description	Completion Date
<p><b>Action: NTS-04/01/1999-I0009-0004-A</b>            Develop a specific assessment template with criteria that focuses on assessing the implementation of controls derived in hazard analyses.</p>	
<p><b>Action: NTS-04/01/1999-I0009-0005-A</b>            Establish specific criteria for the performance of DOE/NV project or experiment readiness briefings and incorporate into appropriate DOE/NV directives.</p>	
<p><b>Action: NTS-04/01/1999-I0009-0006-A</b>            Validate the implementation of DOE/NV corrective actions</p>	
<p><b>Issue: NV and BN Line Management has not Ensured Personnel Conducting Critical Safety Management Functions ...</b></p>	
<p><b>Action: NTS-04/01/1999-I0004-0007-A</b>            Obtain information relating to DOE/NV work process competency and DOE/NV qualification standard</p>	
<p><b>Action: NTS-04/01/1999-I0004-0008-A</b>            Develop site-specific competencies for DOE/NV work process and DOE/NV Project Manager Functional Area Qualification Standard</p>	
<p><b>Action: NTS-04/01/1999-I0004-0009-A</b>            Identify DOE/NV personnel assigned to position categories defined in new DOE/NV Work Management System Directive</p>	
<p><b>Action: NTS-04/01/1999-I0004-0010-A</b>            Ensure availability of training modules on NV work process for NV personnel</p>	
<p><b>Action: NTS-04/01/1999-I0004-0011-A</b>            Develop a DOE/NV Technical Qualification Directive</p>	
<p><b>Action: NTS-04/01/1999-I0004-0012-A</b>            Complete training of NV-specific work process modules for defined NV staff</p>	
<p><b>Action: NTS-04/01/1999-I0004-0013-A</b>            Validate the implementation of BN corrective actions</p>	
<p><b>Action: NTS-04/01/1999-I0004-0014-A</b>            Validate the implementation of DOE/NV corrective actions</p>	
<p><b>Issue: NV has not Placed Sufficient Priority on Providing Clear Direction to BN NV has not place sufficient...</b></p>	
<p><b>Action: NTS-04/01/1999-I0005-0004-A</b>            Validate the implementation of DOE/NV corrective actions.</p>	
<p><b>Issue: NV Management Assessment Program does not Focus on Own Activities NV does not have a management asse...</b></p>	
<p><b>Action: NTS-04/01/1999-I0012-0002-A</b>            Develop a training module to address DOE/NV's self-assessment approach</p>	
<p><b>Action: NTS-04/01/1999-I0012-0003-A</b>            Validate the implementation of DOE/NV corrective actions.</p>	
<p><b>Issue: NV not Effectively Utilizing Safety Management Accountability Mechanisms NV is not fully and effecti...</b></p>	
<p><b>Action: NTS-04/01/1999-I0003-0004-A</b></p>	

**Description****Completion Date**

Develop training module for DOE/NV personnel that addresses defining ISM expectations in the DOE/NV contractor fee incentive process and feedback mechanisms for National Laboratory performance.

**Action: NTS-04/01/1999-I0003-0005-A**

Develop an ISM assessment template to focus oversight attention on key ISM Performance Fee evaluation criteria as related to the fee plan.

**Action: NTS-04/01/1999-I0003-0006-A**

Validate the implementation of DOE/NV corrective actions.

**Issue: NV Procedures for Monitoring and Overseeing Allocation Funding do not Define Reporting Thresholds Lo...**

**Action: NTS-04/01/1999-I0006-0006-A**

Develop an assessment "template" to guide the collection of specific oversight assessment information regarding the appropriate involvement of DOE/NV in resource management decisions.

**Action: NTS-04/01/1999-I0006-0007-A**

Implement a process that integrates DOE/NV and BN budgetary, program and ES&H planning. Institutionalize process in DOE/NV Directives System.

**Action: NTS-04/01/1999-I0006-0008-A**

Validate the implementation of DOE/NV corrective actions

**Issue: Safety Management Roles and Responsibilities Associated with Complex Organizational Interfaces not C...**

**Action: NTS-04/01/1999-I0002-0008-A**

Teams review and revise, as appropriate, AAs to ensure that operational phases of work in the facility are appropriately described and clear safety management roles and responsibilities identified.

**Action: NTS-04/01/1999-I0002-0009-A**

Work control processes are implemented and facility personnel are trained on operational phases described in AAs, as appropriate.

**Action: NTS-04/01/1999-I0002-0011-A**

Develop training module to define AAs and facility management expectations for applicable DOE/NV position categories defined in the new DOE/NV Work Management System.

**Action: NTS-04/01/1999-I0002-0012-A**

Validate the implementation of DOE/NV corrective actions.

**Issue: Structured Work Control Processes not Implemented Structured work control processes have not been im...**

**Action: NTS-04/01/1999-I0011-0001-A**

Validate the implementation of BN corrective actions

**Issue: Waste Examination Facility Began Operations Before Adequate Hazard Analysis Completed and Reviewed -...**

**Action: NTS-04/01/1999-I0010-0002-A**

Develop site-specific competencies for DOE/NV work process and DOE/NV Project Manager Functional Area Standard

**Action: NTS-04/01/1999-I0010-0003-A**

Description	Completion Date
Develop mechanisms for improving the review of hazard analyses by DOE/NV professionals using any positive aspects of the subcritical process	
<b>Action: NTS-04/01/1999-I0010-0004-A</b>	
Establish specific criteria for the performance of DOE/NV project or experiment readiness briefings and incorporate into appropriate DOE/NV directives	
<b>Action: NTS-04/01/1999-I0010-0005-A</b>	
Complete DOE/NV Validation of BN's WEF corrective actions	
<b>Action: NTS-04/01/1999-I0010-0006-A</b>	
Complete training of NV-specific work process modules for defined NV staff	
<b>Action: NTS-04/01/1999-I0010-0007-A</b>	
Validate the implementation of DOE/NV corrective actions	
<b>Issue: WSSs not Completely Incorporated into BN Work Performance Documents and Execution Plans Although eff...</b>	
<b>Action: NTS-04/01/1999-I0008-0002-A</b>	
Develop training module on WSS process and their use.	
<b>Action: NTS-04/01/1999-I0008-0008-A</b>	
Produce Military Ordnance Format I	
<b>Action: NTS-04/01/1999-I0008-0009-A</b>	
Validate the implementation of DOE/NV corrective actions	
<b>Report: Independent Oversight Evaluation of Emergency Management Programs Across the DOE Complex (Volue 2: S... - 08/01/1998</b>	
<b>Issue: NTS Emergency Management Program Weaknesses DOE-NV, Bechtel Nevada, and site users such as the natio...</b>	
<b>Action: NTS-08/01/1998-I0001-0001-A</b>	
The Nevada Operations Office has not ensured that Bechtel Nevada and users (national laboratories and the Defense Special Weapons Agency) interface effectively to coordinate and integrate consistent, timely, and effective implementation of the emergency management program.	
<b>Action: NTS-08/01/1998-I0001-0002-A</b>	
The Nevada Operations Office has not ensured that Bechtel Nevada and users (national laboratories and the Defense Special Weapons Agency) interface effectively to coordinate and integrate consistent, timely, and effective implementation of the emergency management program.	
<b>Action: NTS-08/01/1998-I0001-0003-A</b>	
The Nevada Operations Office has not ensured that Bechtel Nevada and users (national laboratories and the Defense Special Weapons Agency) interface effectively to coordinate and integrate consistent, timely, and effective implementation of the emergency management program.	
<b>Action: NTS-08/01/1998-I0001-0004-A</b>	
Site and facility procedures and training do not support timely and accurate classification of emergencies at NTS.	
<b>Action: NTS-08/01/1998-I0001-0005-A</b>	

**Description****Completion Date**

Site and facility procedures and training do not support timely and accurate classification of emergencies at NTS.

**Action: NTS-08/01/1998-I0001-0006-A**

Site and facility procedures addressing emergency operations are not adequate to support timely emergency response.

**Action: NTS-08/01/1998-I0001-0007-A**

The training program for emergency management, though evolving, lacks significant elements that would ensure that members of the emergency response organization receive sufficient training to consistently perform emergency response duties.

**Action: NTS-08/01/1998-I0001-0008-A**

The training program for emergency management, though evolving, lacks significant elements that would ensure that members of the emergency response organization receive sufficient training to consistently perform emergency response duties.

**Action: NTS-08/01/1998-I0001-0009-A**

The training program for emergency management, though evolving, lacks significant elements that would ensure that members of the emergency response organization receive sufficient training to consistently perform emergency response duties.

**Action: NTS-08/01/1998-I0001-0010-A**

A structured drill and exercise program that tests all required elements of the emergency response organization and emergency response resources is not yet implemented.

**Action: NTS-08/01/1998-I0001-0011-A**

A structured drill and exercise program that tests all required elements of the emergency response organization and emergency response resources is not yet implemented.

**Action: NTS-08/01/1998-I0001-0012-A**

The site Occupational Medical Director and his professional staff are not adequately integrated into the planning and development of a comprehensive site emergency plan.

**Action: NTS-08/01/1998-I0001-0014-A**

Requirements for consequence assessment and identification of predetermined protective actions have not been fully implemented within the NTS emergency management program.

**Action: NTS-08/01/1998-I0001-0015-A**

Requirements for consequence assessment and identification of predetermined protective actions have not been fully implemented within the NTS emergency management program.

**Action: NTS-08/01/1998-I0001-0017-A**

DOE/NV Identified Program Improvements

**Action: NTS-08/01/1998-I0001-0018-A**

DOE/NV Identified Program Improvements

**Action: NTS-08/01/1998-I0001-0019-A**

DOE/NV Identified Program Improvements

**Site: Oak Ridge National Laboratory CSO - ER - Office Of Energy Research**

Description

Completion Date

**Report: Independent Oversight Evaluation of Emergency Management Programs Across the DOE Complex(Volume 2: S... - 08/01/1998**

**Issue: ORNL Emergency Management Program Weaknesses - DOE-OR and ORNL have not implemented an effective eme...**

**Action: ORLN-08/01/1998-I0001-0001-A**

Conduct qualitative survey of facility hazards per DOE 151.1.

**Action: ORLN-08/01/1998-I0001-0002-A**

Conduct quantitative assessment of ten nuclear facilities (buildings 2026,3019,3025E, 3027,3047, 3525, 5505, 7900,7920, and 7930) with hazardous materials exceeding the threshold guidelines per DOE 151.1

**Action: ORLN-08/01/1998-I0001-0003-A**

Develop new event-specific on-site protective actions and off-site protective action recommendations (PARs) as required.

**Action: ORLN-08/01/1998-I0001-0004-A**

Review facility-specific emergency action levels (EALs) based on hazards assessments and reformulate them as required.

**Action: ORLN-08/01/1998-I0001-0005-A**

Prepare EALs for natural phenomena, hazardous material (hazmat) transportation accidents and malevolent act scenarios, and discretionary judgment situations.

**Action: ORLN-08/01/1998-I0001-0006-A**

Incorporate draft Reservation Emergency Plan-Implementing Procedure (REP-IP) 102, subject "Incident Command," into ORNL procedure LS-40, subject "Emergency Response Command and Control." I35876-1

**Action: ORLN-08/01/1998-I0001-0007-A**

Convert REP-IP-109, subject "Protective Action Decision Making;" to an LSS procedure. I35876-2

**Action: ORLN-08/01/1998-I0001-0009-A**

Convert draft REP-IP-119 subject "Transportation of Radiological Materials (RAM) Notification," to an LS procedure. I35876-4

**Action: ORLN-08/01/1998-I0001-0010-A**

Prepare ORNL Annex to the rescoped Reservation Emergency Plan. I35878-1

**Action: ORLN-08/01/1998-I0001-0011-A**

Develop work instructions and checklists, as required for REP-IPs, when issued. I35878-2

**Action: ORLN-08/01/1998-I0001-0013-A**

Develop and implement structured training for the ERO per DOE 151.1. I35877-2

**Action: ORLN-08/01/1998-I0001-0014-A**

Review effectiveness of corrective actions for Source Title S004174-DOE Independent Evaluation of Emergency Programs I35879-1

**Action: ORLN-08/01/1998-I0001-0015-A**

Develop and implement formal drill/exercise program per DOE Order 151.1 and S/RIDs. I35880-1

Description	Completion Date
<p><b>Action: ORLN-08/01/1998-I0001-0016-A</b> Identify EAL indicators for not directly measurable chemical releases. I35881-2</p>	
<p><b>Action: ORLN-08/01/1998-I0001-0017-A</b> Review alternative indicators that may be used in lieu of taking field monitoring measurements of radiological and chemical releases to provide more reliable information to decision makers. I35881-3</p>	
<p><b>Action: ORLN-08/01/1998-I0001-0018-A</b> Reformat HFIR EALs and, as required, revise ERPG indicators and preplanned PARs. I35875-3</p>	
<p><b>Site: Oak Ridge Y-12 Site CSO - DP - Assistant Secy for Defense Programs</b></p>	
<p><b>Report: Integrated Safety Management Evaluation of the Y-12 Plant - 12/01/1998</b></p>	
<p><b>Issue: Corrective Action Management Deficiencies The Y-12 Plant does not have an effective system for manag...</b></p>	
<p><b>Action: Y-12/01/1998-I0008-0001-A</b> Initiate stand-up of the Operational Assurance and Compliance Organization</p>	
<p><b>Action: Y-12/01/1998-I0008-0002-A</b> Issue the Compliance OSB charter</p>	
<p><b>Action: Y-12/01/1998-I0008-0003-A</b> Develop and issue a program description that defines the strategy for identifying and handling high priority issues and for reviewing issues for generic applicability. This program description will also define the roles and responsibilities of the Compliance OSB, the Issues Manager, Organization Managers and Accountable Managers in addressing the Issues Management Program.</p>	
<p><b>Action: Y-12/01/1998-I0008-0004-A</b> Revise and issue QA 312, Issues Management Program, to include the roles and responsibilities of the Compliance OSB, streamline the issues management process, and to include appendices to clarify requirements and assist Accountable Managers in the development, validation, and verification of corrective action plans.</p>	
<p><b>Action: Y-12/01/1998-I0008-0005-A</b> Revise training module to focus on the mechanics of developing effective corrective actions including how to perform effective root cause analysis.</p>	
<p><b>Action: Y-12/01/1998-I0008-0006-A</b> Issue the annual Issues Management Assessment Report</p>	
<p><b>Action: Y-12/01/1998-I0008-0007-A</b> Provide performance indicators to DOE on a quarterly basis to assess the performance of the Y-12 Plant in reducing the number of overdue Request for Closures and Issue Response Reports associated with external findings. The last quarterly submittal will be on October 14, 1999.</p>	
<p><b>Action: Y-12/01/1998-I0008-0008-A</b> Submit a report demonstrating acceptable performance on the following criteria Submit a report demonstrating acceptable Completion of corrective actions as committed to in the DOE approved Occurrence Report or DOE approved change request. Performance criteria is less than 15% of corrective actions exceed their target completion dates by more than 21 days. performance on the following criteria</p>	

Description	Completion Date
<p><b>Action: Y-12/01/1998-I0008-0009-A</b> Establish an evaluation team and develop criteria for deferred maintenance backlog analysis.</p>	
<p><b>Action: Y-12/01/1998-I0008-0010-A</b> Develop and implement reports/tools for use in managing deferred maintenance backlog.</p>	
<p><b>Action: Y-12/01/1998-I0008-0011-A</b> Associated Weakness: A project to analyze and improve the maintenance work control process was initiated by Y-12 Plant senior Management in November 1998. The project team, consisting of contract and LMES personnel, have identified scheduling and prioritization as one of the focal areas to address. The recommendations of the team will be utilized to develop actions that will be used to revise this plan. Resources will be</p>	
<p><b>Issue: Fire Protection Program Weaknesses - The Y-12 Plant has not established and implemented an effective...</b></p>	
<p><b>Action: Y-12/01/1998-I0004-0001-A</b> Develop the Fire Hazard Analysis Program in accordance with I16798.</p>	
<p><b>Action: Y-12/01/1998-I0004-0002-A</b> Revise the existing Configuration Management plan and implement in accordance with I15113.</p>	12/15/97
<p><b>Action: Y-12/01/1998-I0004-0003-A</b> Establish Fire Protection Engineering program elements considering the S/RID requirements, element categories used during the management self-assessment, and best management practices.</p>	12/01/98
<p><b>Action: Y-12/01/1998-I0004-0004-A</b> Matrix S/RIDs to program requirements and program elements, detailing roles and responsibilities for program elements.</p>	
<p><b>Action: Y-12/01/1998-I0004-0005-A</b> Determine that current command media is in accordance with the requirements of the Fire Protection Program elements.</p>	
<p><b>Action: Y-12/01/1998-I0004-0006-A</b> Establish a priority listing for development and issuance or revision of command media.</p>	
<p><b>Action: Y-12/01/1998-I0004-0007-A</b> Establish and document a method of estimating manpower and resources to implement and maintain the FPE program, inclusive of manpower and resources required to revise, issue, or cancel command media.</p>	
<p><b>Action: Y-12/01/1998-I0004-0008-A</b> Issue or revise applicable command media for the Fire Protection Program.</p>	
<p><b>Action: Y-12/01/1998-I0004-0009-A</b> Assess implementation of the Fire Protection Program.</p>	
<p><b>Action: Y-12/01/1998-I0004-0010-A</b> Develop and incorporate a checklist for oversight of furnaces (exclusive of the Holden furnace at 9212) into the department-level appraisal procedure for Fire Protection Engineering.</p>	

Description	Completion Date
<b>Action: Y-12/01/1998-I0004-0011-A</b> Generate short-term schedule to accomplish high-priority TMI.	
<b>Action: Y-12/01/1998-I0004-0012-A</b> Analyze need for Facility Maintenance Organization shift craft support.	
<b>Action: Y-12/01/1998-I0004-0013-A</b> Identify fire protection equipment TMI procedures that need to be created or revised to adequately address the program requirements.	
<b>Action: Y-12/01/1998-I0004-0014-A</b> Determine compensatory measures and then implement appropriate measures based on risk evaluations.	
<b>Action: Y-12/01/1998-I0004-0015-A</b> Submit S/RID modifications or equivalencies to modify TMI requirements or frequencies in accordance with the risk analysis performed for this RFA.	
<b>Action: Y-12/01/1998-I0004-0016-A</b> Develop and release FIMIS replacement module.	
<b>Action: Y-12/01/1998-I0004-0017-A</b> Issue plan for quality control of FireBase electronic data.	
<b>Action: Y-12/01/1998-I0004-0018-A</b> Implement standing order, tracking and trending of fixed fire systems per SO-FPO-98-002, Rev. 1.	
<b>Action: Y-12/01/1998-I0004-0019-A</b> Perform a review to determine what fire protection systems can be removed from service and present results to DOE.	
<b>Action: Y-12/01/1998-I0004-0020-A</b> Perform a review to determine what fire protection TM&I activities can be eliminated or frequency reduced and present results to DOE.	
<b>Action: Y-12/01/1998-I0004-0021-A</b> Perform a review to determine shift work overall efficiencies.	
<b>Action: Y-12/01/1998-I0004-0022-A</b> Full implementation of FireBase for TM&I.	
<b>Action: Y-12/01/1998-I0004-0023-A</b> Issue plan for quality control of all fire protection (testing, work packages, etc.), TM&I manual records.	
<b>Action: Y-12/01/1998-I0004-0024-A</b> Establish job tracking process for TM&I activities.	
<b>Action: Y-12/01/1998-I0004-0025-A</b> Develop criteria and prioritize fire protection systems for resource allocation in performing TM&I activities including corrective maintenance.	
<b>Action: Y-12/01/1998-I0004-0026-A</b>	

**Description****Completion Date**

Generate a FireBase TM&I task list based on prioritization.

**Action: Y-12/01/1998-I0004-0027-A**

Based on the prioritized list and the allocated 1999 budget, define the TM&I program.

**Action: Y-12/01/1998-I0004-0028-A**

Revise (Y70-257) and issue (Y79-005) Y-12 Fire Barrier Program.

**Action: Y-12/01/1998-I0004-0029-A**

Implement and train to quality control program of fire protection TM&I manual records.

**Action: Y-12/01/1998-I0004-0030-A**

Perform program assessment of the TM&I program by Fire Protection Engineering.

**Action: Y-12/01/1998-I0004-0031-A**

TM&I procedures are fully developed and includes S/RID requirements.

**Action: Y-12/01/1998-I0004-0032-A**

Develop an all-inclusive list of site facilities and, based upon required criteria, determine a proposed assessment frequency for each facility.

**Action: Y-12/01/1998-I0004-0033-A**

Submit comprehensive list of site facilities and their subsequent proposed assessment frequency to DOE for concurrence.

**Action: Y-12/01/1998-I0004-0034-A**

Revise the existing department-level command media to incorporate current assessment requirements, including frequency rates.

**Action: Y-12/01/1998-I0004-0035-A**

Based upon an established method of determining manpower and resources (reference I30299), request additional resources to provide a continuing assessment program.

**Action: Y-12/01/1998-I0004-0036-A**

Revise corrective action plan to reflect outcome of request for additional manpower/resources, in accordance with the currently funded and available resources.

**Action: Y-12/01/1998-I0004-0037-A**

Obtain a formal needs assessment for Fire Department Operations, inclusive of emergency response support organizations, to determine correct level of manpower resources.

**Action: Y-12/01/1998-I0004-0038-A**

Update Common Response Plan to reflect current organizational structure and response capabilities.

**Action: Y-12/01/1998-I0004-0039-A**

Develop and issue an integrated schedule to address the completion of the Fire Alarm System of the Life Upgrades Safety project.

**Action: Y-12/01/1998-I0004-0040-A**

Develop and issue a schedule for monthly meetings to address the status of the project.

**Issue: Insufficient DOE Planning for Safety - OR has not maintained a current strategic plan for accomplish...**

**Description****Completion Date****Action: Y-12/01/1998-I0003-0001-A**

Critical Hires Planned for FY 99/2000

**Action: Y-12/01/1998-I0003-0003-A**

Site Integrated modernization Y/SIM Implementation) a: Initiate an FY 2001 Line Item for Materials Handling Facility; b: Initiate an FY 2002 Line Item for Special Material Facilities; and c: Initiate an FY 2003 Line Item for Enriched Uranium Facilities

**Issue: Lack of Clearly Defined Responsibilities for Safety Roles, responsibilities, and accountability for ...****Action: Y-12/01/1998-I0011-0001-A**

Issue the Compliance OSB charter

**Action: Y-12/01/1998-I0011-0002-A**

Initiate stand-up of the Operational Assurance and Compliance Organization

**Action: Y-12/01/1998-I0011-0003-A**

Issue site-level roles and responsibility manual that documents the organizational roles and interfaces for all Y-12 Defense Programs Organizations.

**Action: Y-12/01/1998-I0011-0004-A**

Revise and issue the site CONOPs Manual to establish CONOPS responsibilities and requirements for key organizational positions.

**Action: Y-12/01/1998-I0011-0005-A**

The Construction Management subcontractor will revise the Work Order Execution Procedure 7A-16.0. This revision will require workers that have been away from a project for a prolonged period of time (a period of one week or greater) to re-review and resign the posted Hazard Assessment Checklist (HAC) prior to returning to work on a project.

**Action: Y-12/01/1998-I0011-0006-A**

Establish a team with operations, engineering, and safety and health representatives to evaluate and recommend changes to Procedure Y73-171PD, "Construction Safety and Health Management Program" and other applicable LMES procedures that govern control of work performed by subcontractors, to ensure the roles and interactions of the CM, engineering and operations adhere to ISM requirements.

**Action: Y-12/01/1998-I0011-0007-A**

Revise and issue Y73-164PD to: Provide a matrix for ensuring adequate flowdown of safety and health requirements to lower tier contractors. Provide appendices for: categorizing work activities by location; categorizing hazardous versus non-hazardous work; a format for obtaining safety information from subcontractors prior to awarding a contract; a safety performance questionnaire; definitions; descriptions of three Worker

**Action: Y-12/01/1998-I0011-0008-A**

Revise and issue Y73-171PD to incorporate the recommendations from A80861.

**Issue: Lessons-Learned Program Deficiencies The lessons-learned program is not effectively capturing lesson...****Action: Y-12/01/1998-I0007-0001-A**

Improvements to the Lessons Learned Program are on-going. Recent Integrated Safety Management (ISM) training was conducted at the Y-12 Plant which emphasized the utilization of Lessons Learned. The Lessons Learned Program will be added to the Monthly Central Safety, Health, and Environmental Affairs Committee meeting in order to further emphasize the importance of the Lessons Learned Program,

**Description****Completion Date****Issue: Requirement Management Program Weaknesses Although efforts are ongoing, the requirements management ...****Action: Y-12/01/1998-I0005-0001-A**

Publish approved Functional Area Responsibility List.

**Action: Y-12/01/1998-I0005-0002-A**

Identify potential deficiencies in S/RID database where S/RIDs may require updating because of new orders or standards, conflicts in orders/standards.

**Action: Y-12/01/1998-I0005-0003-A**

Issue request to Functional Area Managers (FAMs) to review S/RIDs and procedures and provide proposed revisions no later than 11/16/98.

**Action: Y-12/01/1998-I0005-0004-A**

Revise standards management process documents (Y15-206PD, Command Media Program; Y10-135, Command Media Development; Y10-158, Compliance Assurance Program).

**Action: Y-12/01/1998-I0005-0005-A**

Submit procedure modification request on Y10-102, Technical Procedure Process Control to include provisions on handling S/RIDs.

**Action: Y-12/01/1998-I0005-0006-A**

Submit S/RID changes developed by Functional Area Managers to DOE-ORO for approval.

**Action: Y-12/01/1998-I0005-0007-A**

Complete programmatic assessment of S/RIDs to identify flowdown of requirements into site-level programs.

**Action: Y-12/01/1998-I0005-0008-A**

Integrate the assessment programs to institutionalize the utilization of the S/RIDs in the assessment progress.

**Action: Y-12/01/1998-I0005-0009-A**

Pilot the revised assessment program in selected organization(s).

**Issue: Safety Weaknesses at Non-Nuclear Facilities - The Y-12 Plant has placed lower priority on ISM, disci...****Action: Y-12/01/1998-I0002-0001-A**

Conduct independent assessment of ISM implementation in BOP including work planning and authorization, based on the CRADS established in Action A80776.

**Action: Y-12/01/1998-I0002-0002-A**

Revise the Y-12 Site conduct of operations applicability matrix for DOE Order 5480.19 for Balance of Plant, including GMO facility - specific applicability.

**Action: Y-12/01/1998-I0002-0003-A**

Develop and issue 5480.19 Implementation Plan for GMO.

**Action: Y-12/01/1998-I0002-0004-A**

Develop and issue 5480.19 Implementation Plan for GMO.

**Action: Y-12/01/1998-I0002-0005-A**

**Description****Completion Date**

Develop and conduct "second generation" performance based conduct of operations training based on the revision to the site manual.

**Action: Y-12/01/1998-I0002-0006-A**

Issue a required reading to supervisors emphasizing requirements for using pre-job briefs to review specific results of hazards identification and analysis and to discuss the controls that must remain implemented during task execution.

**Action: Y-12/01/1998-I0002-0007-A**

Revise training and staffing entry level requirements and qualifications of safety engineers and Data Management and Classification personnel.

**Action: Y-12/01/1998-I0002-0008-A**

Complete 2nd and 3rd quarter FY 99 assessments.

**Action: Y-12/01/1998-I0002-0009-A**

Complete 2nd and 3rd quarter IS procedure revisions for FY 99 to implement institutional LMES Industrial Safety programs.

**Action: Y-12/01/1998-I0002-0010-A**

Revise and issue Y70-001, "Plant Safety and Health Program" procedure, to clearly identify requirements for involving S&H disciplines in day-to-day facility operations, such as safety meetings, facility walk-downs, etc. [S&H involvement in work planning will be addressed through the revision to Y-10-012, Action A82341.]

**Action: Y-12/01/1998-I0002-0011-A**

Revise and issue Y70-001, "Plant Safety and Health Program" procedure, to clearly identify requirements for involving S&H disciplines in day-to-day facility operations, such as safety meetings, facility walk-downs, etc. [S&H involvement in work planning will be addressed through the revision to Y-10-012, Action A82341.]

**Action: Y-12/01/1998-I0002-0012-A**

Revise and issue site procedure Y-10-012, "Job Hazard Identification Maintenance and New Work Tasks" to establish trigger mechanisms for line managers to involve the appropriate ES&H disciplines (including Industrial Hygiene, RadCon, Industrial Safety, and Environmental Officers, etc) in the development of work plans.

**Issue: Staffing, Training and Qualification Weaknesses - The Y-12 Plant does not have a comprehensive appro...**

**Action: Y-12/01/1998-I0009-0001-A**

Define the staffing for the Y-12 ERO.

**Action: Y-12/01/1998-I0009-0002-A**

Develop and approve an LMES Critical Skills Maintenance Plan that will address those actions planned, contingent upon available funding, to maintain the critical skills required for performance of future Y-12 missions.

**Action: Y-12/01/1998-I0009-0003-A**

Define and develop the training for the Y-12 ERO.

**Action: Y-12/01/1998-I0009-0004-A**

Document the completion of training for the Y-12 ERO.

**Description****Completion Date****Action: Y-12/01/1998-I0009-0005-A**

Obtain a formal needs assessment for Fire Department Operations, inclusive of emergency response support organizations, to determine correct level of manpower resources.

**Action: Y-12/01/1998-I0009-0006-A**

The Director of Engineering will issue guidance to his managers to emphasize professional development discussions with all engineers during the next Development, Planning, and Performance Review period beginning June 30, 1999.

**Action: Y-12/01/1998-I0009-0007-A**

Environmental Safety and Health will, in accordance with their Intergrated Safety Management Plan, train/retrain Industrial Health Department (IHD) personnel to meet revised training and qualification program elements.

**Action: Y-12/01/1998-I0009-0008-A**

Environmental Safety Health will, in accordance with their Integrated Safety Management Plant, revise the Industrial Health Department (IHD) Training Program Manual.

**Action: Y-12/01/1998-I0009-0009-A**

Y-12 organizations will review supervisors' assigned baseline training programs for the training required, to include supervisory/leadership training, to qualify them to supervise the full scope of work activities/tasks for which they have been assigned responsibility.

**Action: Y-12/01/1998-I0009-0010-A**

Plant training will assess and report on Y-12 supervisors' baseline training programs, including supervisory/leadership training, to verify that the training is adequate to qualify them to supervise the full scope of work activities/tasks for which they have been assigned responsibility.

**Issue: Surplus Facility Maintenance and Transition Weaknesses - DOE and LMES have not placed sufficient pri...****Action: Y-12/01/1998-I0010-0001-A**

The overall goal to downsize the Y-12 footprint is included in several plans and requires operating and capital funding. The Facility Transition Program Plan and the Integrated Schedule for the Shutdown of Buildings 9201-5, 9204-4, and 9401-2, form the basis of the Defense Programs (DP) surplus facility management program at Y-12. Capital projects, deactivation facility walk-downs, and deactivation schedules are outlined in

**Issue: Weaknesses in the LMES Self-Assessment Program The implementation of the LMES self-assesment program...****Action: Y-12/01/1998-I0006-0001-A**

Issue Required Reading stating Management support and enforcement of adherence to the Management Assessment Program procedure and training.

**Action: Y-12/01/1998-I0006-0002-A**

Review Y60-028, "Y-12 Plant Management Assessment," and QA-911, "Management Assessment," and combine into a single document.

**Action: Y-12/01/1998-I0006-0003-A**

Issue Required Reading stating Management support of the Management Assessment Program.

**Description****Completion Date****Action: Y-12/01/1998-I0006-0004-A**

Perform independent assessment of the effectiveness of management assessments conducted in three Y-12 operating organizations [i.e., Enriched Uranium Operations (EUO); Disassembly and Storage Organization (DSO); and General Manufacturing Organization (GMO).] These organizations were chosen to be reviewed on the basis of EUO was partially performing management assessments, DSO was actively performing

**Action: Y-12/01/1998-I0006-0005-A**

Compile a consolidated assessment plan & schedule for FY2000 for all operational organizations.

**Action: Y-12/01/1998-I0006-0006-A**

Issue command media (that flows down from Y60-902) that: 1) establishes requirements for program/Functional Managers to formalize assessment criteria for their functional area of the S/RIDs; 2) establishes requirements for line managers to submit an assessment plan & schedule that covers all functional areas over a specified time frame; 3) establishes senior management's expectations for the conduct of walkdowns and 4)

**Issue: Weaknesses in the Site Emergency Management Program OR, YSO and LMES have not provided the necessary...**

**Action: Y-12-12/01/1998-I0001-0001-A**

LMES assign a dedicated senior manager with demonstrated ability to execute a requirements-based program with full-time responsibility for emergency management implementation at the Y-12 Plant.

03/24/99

**Action: Y-12/01/1998-I0001-0002-A**

Develop and issue the "Standard for Development and Maintenance of ORR Emergency Management Hazards Assessment Process", REP-STD-500.

**Action: Y-12/01/1998-I0001-0003-A**

Define the site boundary for the Y-12 Plant.

**Action: Y-12/01/1998-I0001-0004-A**

Define the consequence assessment models that will be utilized for the Y-12 hazards assessments.

**Action: Y-12/01/1998-I0001-0005-A**

Develop and issue the Y-12 Plant procedure, "Y-12 Emergency Management Hazard Assessments Process, Y40-137".

**Action: Y-12/01/1998-I0001-0006-A**

Develop a schedule for completing hazards assessment process at the Y-12 Plant.

**Action: Y-12/01/1998-I0001-0007-A**

Complete the hazards assessment process for LMES Phase I facilities.

**Action: Y-12/01/1998-I0001-0008-A**

Complete the hazards assessment process for ETMC facilities.

**Action: Y-12/01/1998-I0001-0009-A**

Obtain DOE-approved hazard surveys/hazards assessments, and emergency action levels for BJC operated facilities at the Y-12 Plant.

**Description****Completion Date****Action: Y-12/01/1998-I0001-0010-A**

Obtain DOE-approved hazard surveys/hazards assessments, and emergency action levels for LMER operated facilities at the Y-12 Plant.

**Action: Y-12/01/1998-I0001-0011-A**

Complete the implementation of the hazards assessment process for LMES Phase 2, 3, and 4 facilities at the Y-12 Plant.

**Action: Y-12/01/1998-I0001-0012-A**

Develop and issue Oak Ridge Reservation Program Command Media as stated in the ORR Emergency Management Program FY 1999 Scope of Work, EMPO-524. 1. Oak Ridge Reservation Emergency Plan Implementing Procedures. 2. Oak Ridge Reservation Emergency Plan Standards. 3. Oak Ridge Reservation Emergency Plan Configuration Management Plans. 4. Oak Ridge Reservation Emergency Plan

**Action: Y-12/01/1998-I0001-0013-A**

Identify the most likely hazardous materials of concern at Y-12

**Action: Y-12/01/1998-I0001-0014-A**

Identify the monitoring equipment currently in place as part of Fire Department operations emergency response.

**Action: Y-12/01/1998-I0001-0015-A**

Identify any shortcomings in terms of monitoring equipment (identified in A-80053) operated by Fire Department.

**Action: Y-12/01/1998-I0001-0016-A**

Develop training module for monitoring equipment identified in A-80053.

**Action: Y-12/01/1998-I0001-0017-A**

Train Fire Department personnel on all shifts on use of monitoring equipment.

**Action: Y-12/01/1998-I0001-0018-A**

Conduct an exercise to include an objective on the proper use of monitoring equipment.

**Action: Y-12/01/1998-I0001-0019-A**

Develop training module for Industrial Hygiene (IH) staff to support re-entry and recovery following emergency response.

**Action: Y-12/01/1998-I0001-0020-A**

Train IH staff on training module developed in A-80129 for emergency response to support re-entry and recovery actions.

**Action: Y-12/01/1998-I0001-0021-A**

Schedule a meeting with area hospitals (Methodist Medical Center of Oak Ridge, Fort Sanders Parkwest Hospital, and the University of Tennessee Hospital) and the Y-12 medical staff to discuss hazards and medical protocols.

**Action: Y-12/01/1998-I0001-0022-A**

Develop a procedure for providing hazards and exposure information to area hospitals (Methodist Medical Center of Oak Ridge, Fort Sanders Park West Hospital, and the University of Tennessee Hospital).

Description	Completion Date
<p><b>Action: Y-12/01/1998-I0001-0023-A</b>            Conduct meeting with area hospitals (Methodist Medical Center of Oak Ridge, Fort Sanders Parkwest Hospital, and the University of Tennessee Hospital) to familiarize participants with the procedure developed in A-80132.</p>	
<p><b>Action: Y-12/01/1998-I0001-0024-A</b>            Develop a training program for emergency responders on post-accident hazard recognition based upon the most likely hazards of concern identified in A-80052.</p>	
<p><b>Action: Y-12/01/1998-I0001-0025-A</b>            Conduct an assessment of current systems/equipment located in the Site Operations Center and identify needed changes to existing procedures or additional procedures related to alarm response, initial classification, notifications and formulation of protective actions.</p>	
<p><b>Action: Y-12/01/1998-I0001-0026-A</b>            Implement changes, develop additional procedures, as identified by the assessment conducted.</p>	
<p><b>Action: Y-12/01/1998-I0001-0027-A</b>            Determine the habitability requirements for the Y-12 Emergency Control Center (site operations center) and evaluate/document the ability of the present facility to meet those requirements. Develop recommendation with regard to meeting these requirements in present or future facilities.</p>	
<p><b>Action: Y-12/01/1998-I0001-0028-A</b>            Submit recommendation to YSO for approval of plan to incorporate habitability requirements into present or future Emergency Control Center (ECC).</p>	
<p><b>Action: Y-12/01/1998-I0001-0029-A</b>            Revise CAP to incorporate implementation of approved recommendation for the ECC habitability requirements.</p>	
<p><b>Action: Y-12/01/1998-I0001-0030-A</b>            Document completion of interim training for the PSS as defined in training module 50091804.</p>	
<p><b>Action: Y-12/01/1998-I0001-0031-A</b>            Document completion of interim training for Y-12 critical decision makers as defined in training module 19453.</p>	
<p><b>Action: Y-12/01/1998-I0001-0032-A</b>            Document completion of interim training for Y-12 fire incident commanders as defined in training module</p>	
<p><b>Action: Y-12/01/1998-I0001-0033-A</b>            Define the Emergency Management corrective action program/process, specifically addressing the self-assessment activity; the identification and tracking of drill and exercise deficiencies; the tracking of audit, appraisal and inspection findings; and the incorporation of lessons learned.</p>	
<p><b>Action: Y-12/01/1998-I0001-0034-A</b></p>	

**Description****Completion Date**

Define the integration of the corrective action program/process with the emergency readiness assurance program/plan.

**Action: Y-12/01/1998-I0001-0035-A**

Implement the self-assessment and corrective action program/process for the Emergency Management Program in accordance with A82230.

**Action: Y-12/01/1998-I0001-0036-A**

Issue a compliant Emergency Readiness Assurance Plan for the Y-12 Plant.

**Action: Y-12/01/1998-I0001-0037-A**

Develop and issue a Y-12 Plant procedure, "Y-12 Plant Emergency Response Organization, Y40-139", that defines the ERO concept.

**Action: Y-12/01/1998-I0001-0038-A**

Define the staffing for the Y-12 ERO.

**Action: Y-12/01/1998-I0001-0039-A**

Define and develop the training for the Y-12 ERO.

**Action: Y-12/01/1998-I0001-0040-A**

Document the completion of training for the Y-12 ERO.

**Action: Y-12/01/1998-I0001-0041-A**

Develop and execute an Emergency Management Drill and Exercise Program for Y-12 that includes: (1) approved command media defining the drill and exercise program at Y-12, (2) approved Drill/Exercise schedule for one fiscal year, and (3) documentation of completed drills/exercise for one quarter.

**Site: Pacific Northwest National Laboratory CSO - ER - Office Of Energy Research**

**Report: Independent Oversight Follow-up Review of the 1996 Integrated Management Evaluation at the Pacific N... - 11/01/1998**

**Issue: Deficiencies in PNNL Procedure Compliance - PNNL has not achieved a consistent level of procedure co...**

**Action: PNNL-11/01/1998-I0002-0001-A**

{PNNL CATS 2905.2.1} No specific procedural adherence actions are required at this time. However, corrective actions developed in response to NTS-RL-PNNL-PNNLBOPEM -1999-0001 that address procedural adherence are being tracked under CATS 2933.1.1 through 2933.1.3. Closure of this action will now depend on satisfactory resolution of the referenced actions.

**Action: PNNL-11/01/1998-I0002-0002-A**

{PNNL CATS 2905.2.2} The Integrated Environment, Safety, and Health Management System Point of Contact will work with the appropriate PNNL management systems (Env. Mgmt., Facility Operations, Facility Safety, Maintenance, Project Management, Standards-Based Management System, Training & Qualifications, Worker Safety & Health) in developing a consistent set of definitions in work documents used at PNNL. This set of

**Action: PNNL-11/01/1998-I0002-0003-A**

{PNNL CATS 2933.1.1} Line management will conduct a detailed root cause analysis focusing on the deployment of key Laboratory work planning and control requirements.

**Action: PNNL-11/01/1998-I0002-0004-A**

**Description****Completion Date**

{PNNL CATS 2933.1.2} Compare the results of the root cause analysis to on-going corrective actions and make appropriate adjustments to existing corrective action plans that are already underway.

**Action: PNNL-11/01/1998-I0002-0005-A**

{PNNL CATS 2933.1.3} Develop a corrective action plan.

**Issue: Inconsistent Implementation of PNNL Self-Assessment and Corrective Action Programs - The PNNL self-a...**

**Action: PNNL-11/01/1998-I0004-0001-A**

{PNNL CATS 2905.4.1} Refer to PNNL CATS Action No. 2780.1.1

**Action: PNNL-11/01/1998-I0004-0002-A**

{PNNL CATS 2905.4.2} See PNNL CATS #2780.11.1

**Action: PNNL-11/01/1998-I0004-0003-A**

{PNNL CATS 2905.4.3} See PNNL CATS No.s 2780.17.1; 2780.17.2; 2780.17.3; and PNNL CATS No.s 2836.2.2 and 2836.5.3.

**Action: PNNL-11/01/1998-I0004-0004-A**

{PNNL CATS 2905.4.4} The development of a new tracking system, the Assessment Tracking System (ATS) is underway. The ATS will provide a tracking system for external/compliance-related assessments and corrective actions, and internal assessments and corrective actions. A design feature of the system requires the condition owner to confirm that all actions associated with the condition have been

**Action: PNNL-11/01/1998-I0004-0005-A**

{PNNL CATS 2905.4.5} Concurrent with the development of the new system identified in CATS 2905.4.4, either a new subject area, or an addition to an existing subject area will be developed that more clearly states how corrective actions are to be managed within the Laboratory.

**Action: PNNL-11/01/1998-I0004-0006-A**

{PNNL CATS 2780.1.1} In FY99, the Independent Oversight Organization will begin validating "Self Assessments as specified in DOE P 450.5 (Line Environment, Safety and Health Oversight) under Key Elements of Line ES&H Oversight Process)." An appropriate number of independent assessments addressing the validation of self-assessment results will be added to the Fiscal Year 1999 Assessment Plan for the

**Action: PNNL-11/01/1998-I0004-0007-A**

{PNNL CATS 2780.11.1} No further action is warranted. The trend in the Laboratory in FY97 and FY98 has been to perform self-assessments at lower levels of management. The FY99 Performance Indicator 3.2 highlights the Integrated Assessment Programs focus on the Self-Assessment process. As the IAP and SA process further improves the involvement of staff at all levels will be strengthened.

**Action: PNNL-11/01/1998-I0004-0008-A**

{PNNL CATS 2780.17.1} The responsibility for the Lessons Learned Program will be transferred to the Independent Oversight Department and the existing program transitioned as is. Start Oct 1, 1998 Complete Oct 31, 1998.

**Action: PNNL-11/01/1998-I0004-0009-A**

**Description****Completion Date**

{PNNL CATS 2780.17.2} The new IO Lessons Learned Coordinator will conduct a self-assessment of the existing program. Start Oct 1, 1998 Complete Oct 31, 1998.

**Action: PNNL-11/01/1998-I0004-0010-A**

{PNNL CATS 2780.17.3} The IO Lessons Learned Coordinator will develop a corrective action plan that addresses the findings of the self-assessment. Should the self-assessment validate the ISMS concern, appropriate corrective actions will be incorporated. Start Nov 1, 1998 complete Nov 30, 1998.

**Action: PNNL-11/01/1998-I0004-0011-A**

{PNNL CATS 2836.2.2} After conducting a self-assessment of the requirements management process, actions should be taken to remedy any issues that are uncovered. An action plan should be developed following the self-assessment to address any issues or areas of concern.

**Action: PNNL-11/01/1998-I0004-0012-A**

{PNNL CATS 2836.5.3} Pacific Northwest National Laboratory's Lessons Learned Coordinator should develop, coordinate, and publish a new Lessons Learned Subject Area that provides comprehensive requirements and guidance to managers and staff in the effective implementation of the Lessons Learned Program as an integral part of Pacific Northwest National Laboratory's Self-Assessment Program.

**Issue: Weaknesses in Implementation of PNNL Work Control Processes - PNNL work control and job hazard asses...**

**Action: PNNL-11/01/1998-I0003-0001-A**

{PNNL CATS 2905.3.1} The Service Request is a project in development and is being brought on-line for use in phases. The Service Request procedures, including the use and the management of the forms are to be provided by the project.

**Action: PNNL-11/01/1998-I0003-0002-A**

{PNNL CATS 2905.3.2} A Facility Review Board is being formed to provide additional formality to the change process. Documentation for a FRB has been written. The Roles, Responsibilities, Authorities, & Accountabilities (R2A2s) for the FRB are in the approval process. The FRB charter has been written and approved by the FRB members. When the R2A2s for the FRB is approved the charter will be included in on-line in the PNNL

**Action: PNNL-11/01/1998-I0003-0003-A**

{PNNL CATS 2905.3.3} An effort is underway to improve the development of Project Management Plans and their use by linking PMP development to the Electronic Prep and Risk system. Actions associated with this effort are: - Development of a simple logic flow diagram that can be used by staff that identifies required steps in the process - Development of a computer-based training course for all staff who manage projects -

**Action: PNNL-11/01/1998-I0003-0004-A**

{PNNL CATS 2905.3.4} A new subject area is under development that will assist in more clearly identifying the Laboratory's hazard analysis process. This will provide the necessary linkage between the Prep and Risk process and the Project Management Standards Based Management System (SBMS) Subject Area. The deployment of this subject area will drive the consistent implementation of hazard analysis within the

**Action: PNNL-11/01/1998-I0003-0005-A**

{PNNL CATS 2905.3.5} A new subject area and program description are under development that will clearly identify the Laboratory's hazard analysis process. This will provide the necessary linkage between the Prep and Risk process and the Project Management subject area. The deployment of this subject area will drive the consistent implementation of hazard analysis within the Laboratory.

**Description****Completion Date****Action: PNNL-11/01/1998-I0003-0006-A**

{PNNL CATS 2905.3.6} IESHM Program Office will work with the Project Management Support Group to provide additional guidance with regard to recommended readiness determination processes that build upon the readiness checklist reports currently available in the Electronic Prep and Risk to ensure that work control performed in non-PNNL facilities on the Hanford Site will be addressed.

**Action: PNNL-11/01/1998-I0003-0007-A**

{PNNL CATS 2905.3.7} The manager of Facility Safety will work with the IESHM Program Office (see CATS# 2905.3.6) who is working with the Project Management Support Group to provide additional guidance with regard to recommended readiness determination processes that build upon the readiness checklist reports currently available in the Electronic Prep and Risk.

**Action: PNNL-11/01/1998-I0003-0008-A**

{PNNL CATS 2905.3.8} Work control requirements for subcontractors are in the process of being formalized. When completed, these requirements will be incorporated into the policy and procedures section of the F&O Home Page. These requirements will address the identification of hazards for subcontracted work, communication of hazards to subcontractors, the use of Job Planning Package (JPP) and Job Plan Summary (JPS),

**Action: PNNL-11/01/1998-I0003-0009-A**

{PNNL CATS 2905.3.9} (Work control activities that address flowdown of req. to subcontractors are not consistently documented. Implementation descriptions to be used by staff that address the hazard assessment process, relationship with other processes, & req. for use.....) A new subject area and program description are under development that will clearly identify the Laboratory's hazard analysis process. This will

**Action: PNNL-11/01/1998-I0003-0010-A**

{PNNL CATS 2905.3.10} (Work control activities that address flowdown of req. to subcontractors are not consistently documented. Implementation descriptions to be used by staff that address the hazard assessment process, relationship with other processes, & req. for use.....) A new subject area and program description are under development that will clearly identify the Laboratory's hazard analysis process. This will

**Action: PNNL-11/01/1998-I0003-0011-A**

{PNNL CATS 2905.3.11} As part of the conversion process of MA-67, a new "Purchasing Goods and Services" Subject Area is being developed. A group of ES&H Subject Matter Experts are working with the development group to resolve the issues surrounding ES&H requirement flowdown in the procurement process. This includes the development or revision of ES&H specific requirements.

**Issue: Weaknesses in PNNL Configuration Management Program - The PNNL configuration management program lack...****Action: PNNL-11/01/1998-I0005-0001-A**

{PNNL CATS 2905.5.1} The project plan that initiated the configuration improvements for the Pacific Northwest Configuration Management System was issued in March 1998. This plan will be rewritten to reflect the current status and development of the activities.

**Action: PNNL-11/01/1998-I0005-0002-A**

{PNNL CATS 2905.5.2} The configuration responsibilities and instructions for the Battelle Engineering Files are included in Facility Engineering and Design Services Manual Design: Preparation, Control, and Implementation

**Description**

**Completion Date**

**Action: PNNL-11/01/1998-I0005-0003-A**

{PNNL CATS 2905.5.3} The equipment list is transitioning from a controlled Master Equipment List to an equipment list maintained in the MAXIMO database, an electronic management tool for planning and tracking maintenance activities.

**Action: PNNL-11/01/1998-I0005-0004-A**

{PNNL CATS 2905.5.4} Complete the Radiochemical Processing Laboratory (RPL) Building Essential Drawings.

**Action: PNNL-11/01/1998-I0005-0005-A**

{PNNL CATS 2905.5.5} A definition of Safety Significant SSCs to be developed for inclusion in PNL-MA-44. Note: This action is being coordinated with CATS items 2905.5.6 and 2905.5.7.

**Action: PNNL-11/01/1998-I0005-0006-A**

{PNNL CATS 2905.5.6} Identification of the Safety Significant Equipment for inclusion in the RPL Building SAR is to be part of the year 1999 SAR update.

**Action: PNNL-11/01/1998-I0005-0007-A**

{PNNL CATS 2905.5.7} Inclusion of the Safety Significant Equipment with appropriate category notation in the MAXIMO equipment list.

**Action: PNNL-11/01/1998-I0005-0008-A**

{PNNL CATS 2905.5.8} Complete remainder of PNNL Facility Essential Drawings.

**Issue: Weaknesses in RL Monitoring of PNNL Activities - RL monitoring and assessment of PNNL activities are...**

**Action: PNNL-11/01/1998-I0001-0001-A**

{PNNL CATS 2905.1.1} The original action was to fill four facility representative positions, an industrial hygiene position and health physics position. This action has not changed as a result of the Follow-up Review.

**Site: Pantex Plant CSO - DP - Assistant Secretary for Defense Programs**

**Report: Independent Oversight Evaluation of the Environment, Safety and Health Programs at the Pantex Plant... - 10/01/1996**

**Issue: Configuration Management Weaknesses Configuration management implementation at Pantex has been incom...**

**Action: PP-10/01/1996-I0008-0001-A**

Configuration Management Weaknesses Configuration management implementation at Pantex has been incomplete. Full program implementation has received a low priority. Weaknesses include lack of piping and instrumentation drawings, a limited number of complete engineering system drawings, and inadequate equipment component labeling for critical safety systems.

**Issue: Ineffective Issues Management Weaknesses exist in AAO and M&H management's ability to collect and an...**

**Action: PP-10/01/1996-I0001-0001-A**

Ineffective Issues Management Weaknesses exist in AAO and M&H management's ability to collect and analyze ES&H deficiency data to identify, prioritize and resolve programmatic deficiencies. Weaknesses in information systems has impacted management's ability to identify recurring problems, perform meaningful trends analysis, and determine root causes. Strategies for improving issues management

**Issue: Lack of Procedure Adherence Within AAO and MHC, the quality of and adherence to administrative proced...**

**Description****Completion Date****Action: PP-10/01/1996-I0004-0001-A**

Lack of Procedure Adherence Within AAO and MHC, the quality of and adherence to administrative procedures (i.e., procedures for operations, maintenance, and other activities not directly associated with nuclear explosive operations) at the Pantex Plant continue to be problematic (poorly integrated and hard to control and maintain). The deficiencies include lack of procedures, lack of training on procedures,

**Site: Rocky Flats Environmental Technology Site CSO - EM - Assistant Secretary for Environmental Management**

**Report: Focused Safety Management Evaluation of the Rocky Flats Environmental Technology Site - 05/01/1999**

**Issue: EM/RFFO Implementation of Technical Qualification Program Untimely - EM and RFFO have not made suffi...**

**Action: RFETS-05/01/1999-I0001-0001-A**

1. To provide guidance and accountability at the Senior Manager level, the Deputy Manager will take the following actions. a. Provide expectation for completion of the technical qualification program in the senior manager's performance plan and hold them accountable for completion. b. All RFFO Senior Managers that have personnel in the Technical Qualification Council on progress that their Group in making towards

**Action: RFETS-05/01/1999-I0001-0002-A**

1. Assign organizational responsibility for the development, implementation, and coordination of the FEOSH program to AME and provide resources to effectively implement the program. Lower 7/1/99 8/1/99 Tracking No. RFFO-99-2a-1 Revision of RFFO FRAM document 1. Engineering organization has FEOSH program responsibility and will be identified as a personal performance element for the AME. 2. The annual

**Action: RFETS-05/01/1999-I0001-0003-A**

1. Revise the RFFO Policy/Directive/Employee Concern Program procedures (based on Executive Order 12196, 29 CFR 1960.28 and DOE Order 442.1 and Guide 442.1-1 revised 2/1/99) that identifies ECP requirements and assigns responsibilities in RFFO for development and implementation of the program. 2. Re-implement tracking document for tracking receipt and resolution of concerns records that are not up to date. Includes

**Action: RFETS-05/01/1999-I0001-0004-A**

1. Integrate, articulate and formalize in an RFFO document the site closure NEPA strategy. 2. Issue an RFFO Directive that identifies NEPA program requirements and assigns responsibilities in RFFO for development and implementation of the program. 3. Provide training to RFFO management and staff on the Rocky Flats site closure NEPA strategy, directive and responsibilities for implementation.

**Action: RFETS-05/01/1999-I0001-0005-A**

Issue technical direction to Kaiser-Hill requiring a page change to the Building 371/374 Complex Basis for Interim Operation to incorporate specific expectations for action plans required for inoperable equipment. 06/14/99

**Action: RFETS-05/01/1999-I0001-0006-A**

1. Revise the IWCP Activity Screening Form (ASF) questions to improve clarity. 2. Revise the IWCP Manual to improve the guidance regarding work scope definition. 3. Develop revised IWCP training courses to include a Job Hazards Analysis (JHA) Computer Based Training (CBT) course, an IWCP classroom course and an IWCP workshop. 4. Develop briefing material to support implementation of Revision 1 of the

**Description****Completion Date****Action: RFETS-05/01/1999-I0001-0007-A**

1. Write a procedure (Buildings 371, 707 and 559) that establishes a forum for review and prioritization of maintenance items. This document will require high priority for repair of equipment important to safety. The Kaiser-Hill IWCP Program Manager will concur with this document. 2. As part of routine prioritization of maintenance work (i.e. work planning meetings) discuss and record collective significance of equipment that provides

**Action: RFETS-05/01/1999-I0001-0008-A**

"1. Small Projects - Establish K-H construction group for projects less than 2 million including: ? KH Building Trades craftsman and supervision ? Health and Safety program and oversight ? QA/QC program oversight ? Field Engineering support ? Procurement and material control support ? Planning/Scheduling and Estimating Work to be conducted in accordance with the K-H Construction Manual which will require compliance

**Action: RFETS-05/01/1999-I0001-0009-A**

1. Write a change (Document Change Form (DCF)) to the Site Conduct of Operations Manual to clarify use of Operations Orders by emphasizing that they are not appropriate for conducting operational activities of a sustained nature, and that they are not supposed to be used in lieu of IWCP work packages and technical procedures when those are appropriate in accordance with the IWCP Program Manual and the Site Documents

**Action: RFETS-05/01/1999-I0001-0010-A**

1. Develop a supervisor training program strategy and architecture. Define the program structure and identify the following, at a minimum: core competencies, skills/knowledge requirements, and critical success factors. 2. Develop a supervisor training program curriculum. The supervisor training should be prepared by each prime subcontractor and tailored to their company needs in the following competencies; Leadership, HR

**Report: Independent Oversight Evaluation of Emergency Management Programs Across the DOE Complex - 08/01/1998**

**Issue: Rocky Flats Emergency Management Program Weaknesses - Weaknesses in the RFETS emergency management p...**

**Action: RFETS-08/01/1998-I0001-0001-A**

Kaiser-Hill Operations and Emergency Preparedness will evaluate proficiency annually in building emergency response exercises

**Action: RFETS-08/01/1998-I0001-0002-A**

Kaiser-Hill Site Operations will validate line management involvement through independent assessment of the building emergency preparedness programs.

**Report: Independent Oversight Evaluation of the Environment, Safety and Health Program at the Rocky Flats En... - 08/01/1995**

**Issue: Authorization Basics Development and Implementation Deficiencies - Safety documentation does not ref...**

**Action: RFETS-08/01/1995-I0001-0001-A**

Safety documentation does not reflect current conditions and operations. Safety documentation is fragmented, not comprehensive, and not adequately maintained by the contractor (now Kaiser-Hill). EM and RFFO have not assigned the correction of this deficiency a high priority and provided definitive guidance to Site contractors. This lack of adequate safety documentation has delayed the development of effective safety

02/23/99

**Site: Sandia National Laboratory - Albuquerque CSO - DP - Assistant Secretary for Defense Programs**

**Report: Independent Oversight Evaluation of Emergency Management Programs Across the DOE Complex (Volume 2: ... - 08/01/1998**

**Description**

**Completion Date**

**Issue: SNL Emergency Management Programs Weaknesses - DOE-AL, DOE-KAO, and SNL have not implemented an effe...**

**Action: SNLAL-08/01/1998-I0001-0015-A**

(A) DOE EH-22 Weakness #1 - Ineffective use of the unified Command System and ineffective command and control in the field resulted in delays in emergency rescue.

**Action: SNLAL-08/01/1998-I0001-0026-A**

(A) DOE EH-22 Weakness #2 - AL KAO and SNL coordination, communication, and interface with external organizations have not been adequate to ensure effective response to emergencies at SNL facilities.

**Action: SNLAL-08/01/1998-I0001-0039-A**

(A) DOE EH-22 Weakness #3 The SNL emergency mgmt system does not promote timely, accurate, classification of emergencies/implementation of appropriate protective actions. Emergency classification procedure/EALs were not adequate and were not followed.

**Action: SNLAL-08/01/1998-I0001-0057-A**

(A) DOE Weakness #5 Weakness in planning, conducting, controlling and evaluating the 05/03/99 annual emergency exercise.

**Action: SNLAL-08/01/1998-I0001-0078-A**

(A) Weakness #9 NN-60 98-SNLA-013-D Accountability of all facility personnel was not accomplished nor was an accountability system ever established.

**Action: SNLAL-08/01/1998-I0001-0088-A**

N1: Improve coordination, communication and interface with KAFB/FD.

**Action: SNLAL-08/01/1998-I0001-0089-A**

N2: Improve coordination, communication and interface with SNL Security.

**Action: SNLAL-08/01/1998-I0001-0090-A**

N3: Describe interface roles and responsibilities among Emergency Response organizations at SNL.

**Action: SNLAL-08/01/1998-I0001-0091-A**

N4: Develop and document SNL Training in a Training Plan.

**Report: Office of Oversight Evaluation of Integrated Safety Management Sandia National Laboratory - 08/01/1997**

**Issue: Unclear Roles, Responsibilities, and Accountabilities for Safety Management DP, AL, KAO, and SNL rol...**

**Action: SNLAL-08/01/1997-I0004-0006-A**

As part of performance evaluations, each manager (at all levels) with direct reports will evaluate the actions/results, values, impacts, etc. of the work of their direct reports.

Evaluate the work of their direct reports relative to those agreed-upon in their PMFs, including ES&H-related responsibilities for each identified role. Based on this process, each manager will be asked to identify suggestions for improving the entire system of

**Site: Savannah River Site CSO - EM - Assistant Secretary for Environmental Management**

**Report: Independent Oversight Evaluation of Emergency Management Programs Across the DOE Complex, August 199... - 08/01/1998**

**Issue: SRS Emergency Management Program Weaknesses Weaknesses in the SRS emergency management program inclu...**

**Action: SRS-08/01/1998-I0001-0004-A**

Description	Completion Date
<p>The EOC lacks an effective process and mechanisms to perform timely and accurate assessments of emergency event consequences. WSRC emergency response organization functions related to consequence assessment are highly compartmentalized, and staff members lack the tools and methods needed to perform timely and accurate projections of potential health effects in affected areas?The Logistics Support Room's</p> <p><b>Action: SRS-08/01/1998-10001-0008-A</b></p>	09/30/99
<p>Specific deficiencies noted in the proficiency of emergency response organization members impedes their ability to fulfill their emergency-related responsibilities in a timely and effective manner. Technical Support Room staff members lacked sufficient familiarity with the assumptions of the Receiving Basin for Offsite Fuel and Reactors hazards assessments to develop a realistic source term estimate in a timely manner.(Ref:</p> <p><b>Action: SRS-08/01/1998-10001-0009-A</b></p>	09/30/99
<p>Specific deficiencies noted in the proficiency of emergency response organization members impedes their ability to fulfill their emergency-related responsibilities in a timely and effective manner. Field monitoring teams were not familiar enough with site roads to readily deploy to designated points. (Ref: SRS-EH-004)</p>	09/30/99
<p><b>Report: Independent Oversight Evaluation of the Environment, Safety and Health Programs at the Savannah Rive... - 01/01/1996</b></p>	
<p><b>Issue: SRS Life Safety Code Deficiencies More aggressive action and a higher level of attention is warrant...</b></p>	
<p><b>Action: SRS-01/01/1996-10006-0003-A</b></p>	
<p>Add Sprinkler Systems to F Canyon and H Canyon as defined in Project S-4610. Status - In Progress</p>	
<p><b>Site: Transportation Safeguards Division CSO - DP - Assistant Secreary for Defense Programs</b></p>	
<p><b>Report: Independent Oversight Evaluation of Emergency Management Programs Across the DOE Complex (Volume 2: ... - 08/01/1998</b></p>	
<p><b>Issue: Emergency Management Program Weaknesses DOE-AL and TSD have not implemented an effective emergency m...</b></p>	
<p><b>Action: TSD-08/01/1998-10001-0001-A</b></p>	
<p>Transportation Safeguards Division has prepared an Action Plan that was approved by Rick Glass on 08/06/99. This action plan is attached.</p>	
<p><b>Report: Type A Accident Investigation Board Report of the April 19, 1999 Special Agent Fatality at the South... - 06/01/1999</b></p>	
<p><b>Issue: JON-01 TSD needs to implement a Medical Program that includes clear roles and responsibilities, proc...</b></p>	
<p><b>Action: TSD-06/01/1999-10001-0001-A</b></p>	
<p>On April 5, 1999, TSD entered into an Interagency Agreement (IA) with Federal Occupational Health (FOH), U.S. Department of Health and Human Services. FOH is providing comprehensive occupational health services in the medical, clinical, employee assistance, industrial hygiene, workers' compensation, physical fitness, and other disciplines. The project period is expected to continue until April 4, 2004. Through the</p>	
<p><b>Issue: JON-03 TSD needs to implement an integrated Physical Fitness Maintenance Program and current Physica...</b></p>	
<p><b>Action: TSD-06/01/1999-10003-0001-A</b></p>	
<p>In November 1998, a TSD Physical Fitness Improvement Team was formed to review physical fitness concerns addressed in a Defense Programs Independent Review of TSD. Representatives included TSD safety staff, AL safety staff, exercise physiologist, and TSD Special Agents. This team assessed current physical fitness standards as well as applicability of various independent studies to include the Collingwood Study.</p>	

**Description****Completion Date**

**Issue: JON-04 TSD needs to ensure that site-specific Emergency Response Plans are available and current, cl...**

**Action: TSD-06/01/1999-I0004-0001-A**

Pursuant to DOE Order 151.1, TSD developed an Emergency Management Plan (EMP) that includes emergency response. This plan was developed as interim in December 1998. The EMP defines site response (per MOUs) under host site Emergency Plans (Pantex/MH Plan for PCS and Oak Ridge/LMES for SCS). Emergency response for the ACS is defined in the TSD Interim EMP. TSD will develop site-specific addenda to the

**Issue: JON-05 TSD needs to implement a Hazard Analysis process.**

**Action: TSD-06/01/1999-I0005-0001-A**

Assessments of hazards associated with the TSD Medical and Physical Fitness Programs have been initiated through a tasking with Federal Occupational Health (FOH) and the Site Occupational Medical Director (SOMD). Coordination of medical and physical fitness policies will be through a committee lead by TSD staff, co-chaired between the TSD Assurance and Support Branches to include members from TSD

**Issue: JON-06 TSD needs to develop and implement a formal Lessons Learned Program.**

**Action: TSD-06/01/1999-I0006-0001-A**

A lessons learned program is a function of Integrated Safety Management (ISM). TSD began development of an ISM program in March of 1999. TSD Management is committed to the development of a TSD ISM program that will define TSD work, analyze the TSD hazards, develop and implement controls, perform the work safely and provide feedback and improvement (lessons learned). TSD is the first AL federal work force to

**Issue: JON-07 TSD needs to establish a self-assessment process that evaluates the performance and effective...**

**Action: TSD-06/01/1999-I0007-0001-A**

The TSD conducts an annual Self-Assessment to determine compliance with Environment, Safety, Health, Security, and operational requirements. The Self-Assessment Program will be revised to include a review of the Medical, Physical Fitness, and Emergency Response Programs. TSD is working with the Health Protection Team, Environment, Safety, and Health Division to develop assessment

**Issue: JON-08 DOE/Headquarters and AL need to periodically assess the Medical, Physical Fitness and Emergen...**

**Action: TSD-06/01/1999-I0008-0001-A**

On June 29, 1999 a memorandum from the AL Manager requests that all AL safety oversight of TSD operations to be curtailed or rescheduled until TSD selects a ?tailored set of requirements? in the TSD Integrated Safety Management (ISM) process. During that time, ISRD will verify for closure the Judgements of Need assigned to TSD for the Type A Accident Investigation. ISRD will also conduct an independent verification of the

**Site: Yucca Mountain CSO - RW - Office of Civilian Radioactive Waste Management**

**Report: Focused Review of the Yucca Mountain Project - 05/01/1999**

**Issue: Inadequate Hazard Analysis and Hazard Control Training - The M&O contractor has not implemented a st...**

**Action: YMP-05/01/1999-I0003-0001-A**

The M&O Contractor has not implemented a structured process to ensure that personnel receive appropriate training based on hazards and controls associated with assigned responsibilities and consistent with requirements. There is no structured mechanism to assure training requirements are met prior to the start of work activities.

Description

Completion Date

**Issue: M&O Contractor has not Implemented Work Control Process** The M&O contractor has not implemented a struc...

**Action: YMP-05/01/1999-10001-0001-A**

The M&O Contractor has not implemented a structured work control process to ensure that hazards are analyzed and controls developed and implemented in the course of all work activities.

**Issue: M&O Lockout/Tagout Procedure Inconsistent** The M&O lockout/tagout procedure is not consistent with re...

**Action: YMP-05/01/1999-10004-0001-A**

The M&O lockout/tagout procedure is not consistent with requirements, has not been effectively communicated, does not have the buy-in of the workforce, and is not consistently utilized.

**Issue: YMSCO Directives Management System and the M&O Contractor's Requirements Management System are Incon...**

**Action: YMP-05/01/1999-10002-0001-A**

YMSCO has not formalized a directives management system that is compatible with the contractor's requirements management system and that describes how directives are processed, received, and approved and how requirements are contractually invoked.

The M&O contractor has not established a requirements management system that provides for the identification, maintenance, and flow of requirements to the work activity

**Completed**

**Site: Bonneville Power Administration CSO - BPA - Bonneville Power Administration**

**Report: Contractor Fatality on the Olympia-White River #1 230 kV Line on April 25, 1997 - 06/01/1997**

**Issue: JON-01 - The contract needs to require the contractor to have a knowledgeable, experienced safety pr...**

**Action: BPA-06/01/1997-10001-0001-A**

Construction contracts will require that the contractor provide a safety professional where 12/22/98 it has been determined that significant hazards exist. The safety professional's duties will include conducting periodic visits to the work site during the project.

**Issue: JON-02a - Other utilities do not interface with the contractor's work, including their safety effort...**

**Action: BPA-06/01/1997-10002-0001-A**

BPA now reviews contractor safety plans, certifications and qualifications. BPA conducts 07/08/98 prework briefings and job observations.

**Issue: JON-02b However, if BPA judges that the agency should assume some contractor responsibility, then th...**

**Action: BPA-06/01/1997-10003-0001-A**

Contracting Officers shall evaluate proposed worker skills and qualifications, especially in 07/08/98 those instances in which BPA has outlined minimum contractor qualifications as part of the solicitation documentation.

**Issue: JON-02c - The Contracting Officer and/or duty officer appointed representative may stop work for any...**

**Action: BPA-06/01/1997-10004-0001-A**

If the Contractor fails or refuses to promptly comply with any safety or health requirement, 09/30/98 the Contracting Officer, Technical Representative or Field Inspector may notify the Contractor of any non-compliance and the Contractor shall take immediate corrective action. If the Contractor fails or refuses to promptly correct the condition, the Technical Representative or Field Inspector may stop all or any portion of the work.

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Description	Completion Date
<b>Action: BPA-06/01/1997-I0004-0002-A</b>	
The Contracting Officer or a designated representative may issue a stop work order if the Contractor fails to promptly correct their non-compliance. No time extension, claims of damages, or excess costs resulting from the stop work order or corrective action will be allowed.	09/30/98
<b>Action: BPA-06/01/1997-I0004-0003-A</b>	
The Contractor shall hold BPA harmless from any and all suits, actions and claims for injuries to or death of persons arising from any act or omission of the Contractor, its sub-contractors, or any employee of the Contractor or sub-contractors, in any way related to the work or operations under this contract. The Contractor shall indemnify and hold harmless the property owners or parties lawfully in possession against all claims or	09/30/98
<b>Action: BPA-06/01/1997-I0004-0004-A</b>	
The job of the Contracting Officer's Representative incorporates a number of responsibilities and duties. Has a thorough technical understanding of all facets of the contract, including the planning of related contract administration activities.	09/30/98
<b>Issue: JON-03 Training for [Contracting Officer's Representative] should be conducted by safety professiona...</b>	
<b>Action: BPA-06/01/1997-I0005-0001-A</b>	
1. In order to be delegated authority to act as a Contracting Officer's Technical Representative, the person must have completed training in contract administration activities.	09/30/98
<b>Action: BPA-06/01/1997-I0005-0002-A</b>	
Training to identify potential hazards involving lines and equipment. Training of applicable rules and regulations for electrical facilities. Training of applicable Federal safety regulations for the work being performed. Required Qualifications and Training for Contracting Officer's Technical Representatives A. 1, 2 & 3 Draft	12/22/98
<b>Action: BPA-06/01/1997-I0005-0003-A</b>	
The BPA Safety Manager will assign Safety staff to the contract who will attend all necessary pre-work briefings, and provide on-site safety observations. All observations shall be documented and reported through the Safety Manager to the Contracting Officer.	07/13/98
<b>Issue: JON-04 The construction contract should require the contractor, at the start of the project, to noti...</b>	
<b>Action: BPA-06/01/1997-I0006-0001-A</b>	
BPA has withdrawn this Judgment of Need. Both Federal and state regulations do not require notification.	09/30/98
<b>Action: BPA-06/01/1997-I0006-0002-A</b>	
The Contracting Officer shall provide the Safety Office with a copy of the awarded contract including any and all related safety plans. The Contracting Officer shall also provide identification of the Contracting Officer's technical Representative, identification of where work is being performed and the contractor's work schedule. The Contracting Officer shall notify the Safety Office of all pre-work meetings, safety or other related	07/13/98
<b>Report: Type A Accident Investigation Report of the June 25, 1997 Contract Fatality on the Satsop-Aberdeen #... - 09/11/1997</b>	
<b>Issue: JON- 13 Cinebar Services - Identify and address communications barriers.</b>	

Description	Completion Date
<b>Action: BPA-09/11/1997-I0013-0001-A</b>	
Shall be fluent in the English language as well as the language(s) of contractor employees under his/her supervision.	06/30/98
<b>Issue: JON-01 CORRUCO - Provisions made so that the foreman is not too preoccupied with his own working sta...</b>	
<b>Action: BPA-09/11/1997-I0001-0001-A</b>	
Qualified Foreman will lead and direct the daily work on the job site. Works with the inspector to insure safety and other contract requirements. Is in charge of the job at all times and is responsible for all work crew action.	06/30/98
<b>Issue: JON-02 CORRUCO - a person present who clearly understands English, assuring clear communication of t...</b>	
<b>Action: BPA-09/11/1997-I0002-0001-A</b>	
Shall be fluent in the English language as well as the language(s) of contractor employees under his/her supervision.	06/30/98
<b>Issue: JON-03 CORRUCO - a certified First Aid/CPR person to be onsite at all times.</b>	
<b>Action: BPA-09/11/1997-I0003-0001-A</b>	
Contractor employees shall have a current First Aid and CPR certification.	06/30/98
<b>Issue: JON-04 CORRUCO - a verification process to confirm the required certifications and/or training.</b>	
<b>Action: BPA-09/11/1997-I0004-0001-A</b>	
The Contractor shall provide documentation supporting its safety program and the qualifications and credentials of its employees.	06/30/98
<b>Issue: JON-05 CORRUCO - hold a tailgate/job briefing at the beginning of each workday and at any time the j...</b>	
<b>Action: BPA-09/11/1997-I0005-0001-A</b>	
The Contractor shall have daily work briefings for crews prior to the beginning of activities for that day. These work briefings shall include and highlight safety issues in general and specific hazards to be encountered that day in the planned work area. The Contractor must maintain a written record of these meetings and the specific safety issues discussed.	06/30/98
<b>Issue: JON-06 CORRUCO - cover all aspects of the job and ensure all personnel clearly understand their duti...</b>	
<b>Action: BPA-09/11/1997-I0006-0001-A</b>	
Contractor shall instruct their employees in the proper use of all equipment provided for them and shall require that safe working practices are followed. A job briefing, work procedure and assignment shall be worked out carefully before any job is begun.	06/30/98
<b>Issue: JON-07 CORRUCO - specifically address safety conditions and requirements.</b>	
<b>Action: BPA-09/11/1997-I0007-0001-A</b>	
The Contractor must provide a site specific safety plan that includes all potential hazards that could be encountered during work performance at the site of the project and a description of how these hazards will be eliminated or minimized for the benefit of Contractor's employees. The plan must include a description of the procedures, methods and personnel required to insure that all work is performed in accordance with all	06/30/98
<b>Issue: JON-08 CORRUCO - clearly outline and verify the qualification and training required to safely accomp...</b>	
<b>Action: BPA-09/11/1997-I0008-0001-A</b>	

Description	Completion Date
<p>The Contracting Officer shall evaluate proposed worker skills and qualifications, especially in instances in which BPA has outlined minimum contractor qualifications as part of the solicitation documentation.</p> <p><b>Issue: JON-09 CORRUCO - distinguish the different qualifications required for branch cutting and tree falle...</b></p> <p><b>Action: BPA-09/11/1997-I0009-0001-A</b></p>	07/08/98
<p>When specific work is to be assigned under a contract, a determination of the level of expertise required for that job will be made by BPA. Only work deemed to be consistent with the qualifications and level of expertise exhibited by the Contractor will be assigned.</p> <p><b>Issue: JON-10 CORRUCO - employ an adequate ratio of qualified tree fallers to brush cutters, a safer and mo...</b></p> <p><b>Action: BPA-09/11/1997-I0010-0001-A</b></p>	06/30/98
<p>Each task order will specify that a certain percentage of all of the workers assigned to accomplish work under the task order shall be qualified line-clearance tree trimmers, in accordance with OSHA 1919.269. Safety Requirements For Vegetation Control Activities, M. ADDITIONAL SAFETY REQUIREMENTS #1</p> <p><b>Issue: JON-11 CORRUCO - verify contractor knowledge, experience, abilities, and training records to ensure ...</b></p> <p><b>Action: BPA-09/11/1997-I0011-0001-A</b></p>	06/30/98
<p>The Contracting Officer shall evaluate proposed worker skills and qualifications, especially in instances in which BPA has outlined minimum contractor qualifications as part of the solicitation documentation.</p> <p><b>Issue: JON-12 Cinebar Services - enforce and follow all Federal and state regulations governing the type of...</b></p> <p><b>Action: BPA-09/11/1997-I0012-0001-A</b></p>	07/08/98
<p>The Contracting Officer shall evaluate proposed worker skills and qualifications, especially in instances in which BPA has outlined minimum contractor qualifications as part of the solicitation documentation.</p> <p><b>Issue: JON-14 Cinebar Services - require and verify documentation of inspector training and qualifications....</b></p> <p><b>Action: BPA-09/11/1997-I0014-0001-A</b></p>	06/30/98
<p>The Contractor shall provide documentation supporting it's safety program and the qualifications and credentials of its employees.</p> <p><b>Issue: JON-15 Cinebar Services - the contract should explicitly state that the person in charge of overseei...</b></p> <p><b>Action: BPA-09/11/1997-I0015-0001-A</b></p>	06/30/98
<p>A qualified person will lead and direct the daily work on the job site. That person works with the inspector to insure safety and other contract requirements are met. They are in charge of the job at all times and are responsible for all work crew action.</p> <p><b>Issue: JON-16 Cinebar Services - coordinate with the brush cutting crew supervisor at all times.</b></p> <p><b>Action: BPA-09/11/1997-I0016-0001-A</b></p>	06/30/98
<p>The inspector will work with the qualified person who leads the daily work on the job site, to insure safety and other contract requirements are met.</p> <p><b>Issue: JON-17 BPA - hold a pre-work meeting prior to giving the service contractor notice to proceed to ver...</b></p> <p><b>Action: BPA-09/11/1997-I0017-0001-A</b></p>	06/30/98
<p>The Contracting Officer shall evaluate proposed worker skills and qualifications, especially in instances in which BPA has outlined minimum contractor qualifications as part of the solicitation documentation. The Contracting Officer shall notify the Safety Manager of all pre-work meetings, safety and other related briefings and require a thorough discussion of all safety requirements and concerns.</p>	06/30/98

Description	Completion Date
<b>Issue: JON-18 BPA - thorough evaluation of past contractor safety performance in the contractor selection p...</b>	
<b>Action: BPA-09/11/1997-10018-0001-A</b>	
The Contracting Officer shall evaluate the prior safety performance of all proposed contractors.	09/30/98
<b>Issue: JON-19 BPA - address adequate language skills to ensure clarity of communication as well as the over...</b>	
<b>Action: BPA-09/11/1997-10019-0001-A</b>	
Shall be fluent in the English language as well as the language(s) of contractor employees under his/her supervision.	06/30/98
<b>Issue: JON-20 BPA - differing aspects of contractual safety language between construction and tree/brush cu...</b>	
<b>Action: BPA-09/11/1997-10020-0001-A</b>	
BPA has divided its Construction contracts and Service contracts into two different policy clauses.	09/30/98
<b>Issue: JON-21 BPA - the service contract should clearly define the qualifications required to accomplish th...</b>	
<b>Action: BPA-09/11/1997-10021-0001-A</b>	
All individuals assigned by the contractor on projects under a contract shall meet the minimum requirements outlined in BPA's Minimum Qualifications For Contractor Employees and Safety Requirements For Vegetation Control Activities protocols.	06/30/98
<b>Site: Brookhaven National Laboratory CSO - ER - Office Of Energy Research</b>	
<b>Report: Independent Oversight Evaluation of the Environment, Safety and Health Programs at the Brookhaven Na... - 04/01/1997</b>	
<b>Issue: Groundwater Protection Program Deficiencies - The BNL groundwater protection program does not ensure...</b>	
<b>Action: BNL-04/01/1997-10008-0001-A</b>	
Provided support on environmental vulnerability assessment for BHG, including evaluation of groundwater protection.	11/14/97
<b>Action: BNL-04/01/1997-10008-0002-A</b>	
BHG hired a senior environmental manager	07/31/98
<b>Action: BNL-04/01/1997-10008-0003-A</b>	
Developed Groundwater Monitoring Improvement Plan.	09/23/98
<b>Action: BNL-04/01/1997-10008-0004-A</b>	
Finalized Groundwater Protection Management Plan	12/23/98
<b>Action: BNL-04/01/1997-10008-0005-A</b>	
Progress of groundwater protection program tracked by BHG to ensure compliance with DOE Order 5400.1.	02/02/99
<b>Action: BNL-04/01/1997-10008-0006-A</b>	
BNL Submitted Groundwater Protection Implementation & Integration Plan to DOE-BHG.	03/05/99
<b>Issue: Imbalance between ES&amp;H and Science Priorities - DOE and BNL management have not been effective in ac...</b>	
<b>Action: BNL-04/01/1997-10001-0001-A</b>	
Established the SC Office of Laboratory Operations and Environment, Safety and Health (SC-80) to provide a corporate focus on ES&H and infrastructure, allowing management to balance the priorities of scientific research and ES&H protection. The establishment of SC-80 with its own Associate Director allows ES&H concerns to be presented to SC senior management on a par with scientific research issues.	07/11/97

Description	Completion Date
<p><b>Action: BNL-04/01/1997-I0001-0002-A</b>            Established the Brookhaven-Headquarters Management Council and Working Group to provide improved coordination and integration of ES&amp;H and infrastructure management issues at BNL. The Council coordinates ES&amp;H and infrastructure management of BNL among Headquarters DOE elements. SC science programs, SC support organizations, other DOE headquarters organizations, BHG, and BSA work together to resolve issues.</p>	06/13/98
<p><b>Action: BNL-04/01/1997-I0001-0003-A</b>            Conducted a benchmarking study of how SC manages its labs. Through the study, SC identified many areas for improvement in roles and responsibilities, performance measures, and process integration.</p>	05/07/98
<p><b>Action: BNL-04/01/1997-I0001-0004-A</b>            Incorporated ES&amp;H considerations into annual laboratory institutional plan reviews through participation of the SC Associate Director for Laboratory Operations and ES&amp;H (SC-80) in these reviews.</p>	09/18/98
<p><b>Action: BNL-04/01/1997-I0001-0005-A</b>            Defined SC-1 expectation for ES&amp;H protection to be on par with scientific excellence as a key laboratory performance expectation. Implemented these expectations in specific performance measures for both ES&amp;H protection and scientific achievement at BNL.</p>	04/01/99
<p><b>Action: BNL-04/01/1997-I0001-0006-A</b>            Signed a Memorandum of Agreement (MOA) with the U.S. EPA to conduct a review of all laboratory waste streams and waste management practices, and to establish and regularly review an environmental management system for BNL. The MOA formally demonstrates SC's commitment to improving the ES&amp;H performance at BNL in specific areas identified by EPA.</p>	03/23/98
<p><b>Action: BNL-04/01/1997-I0001-0007-A</b>            Communicated results of the benchmarking study to SC management.</p>	06/29/98
<p><b>Action: BNL-04/01/1997-I0001-0008-A</b>            Contract performance measures developed for RFP.</p>	07/18/97
<p><b>Action: BNL-04/01/1997-I0001-0009-A</b>            Establishment of Integration Council, Science Council, and Operations Council.</p>	03/01/98
<p><b>Action: BNL-04/01/1997-I0001-0010-A</b>            BNL New Organization Structure - Deputies Operation and Science.</p>	03/01/98
<p><b>Action: BNL-04/01/1997-I0001-0011-A</b>            Identify, review and transmit CH facilities (other than BNL) unfunded ES&amp;H and infrastructure needs.</p>	08/05/98
<p><b>Action: BNL-04/01/1997-I0001-0012-A</b>            BHG verified improvements to BNL's implementation of an effective Conduct of Experiments program.</p>	10/31/98
<p><b>Action: BNL-04/01/1997-I0001-0013-A</b>            BHG participated on the BNL site ES&amp;H Management Plan Risk Ranking Teams</p>	11/05/98
<p><b>Action: BNL-04/01/1997-I0001-0014-A</b></p>	

Description	Completion Date
BHG developed a process for BHG oversight of the BNL ES&H Management Plan implementation.	11/05/98
<b>Action: BNL-04/01/1997-I0001-0015-A</b>	
Support HQ/BHG review of FY 98 & FY 99 ES&H Management Plan.	12/31/98
<b>Action: BNL-04/01/1997-I0001-0016-A</b>	
Roles, Responsibilities, Accountabilities and Authorities (R2A2) prepared for Managers and Staff	01/31/99
<b>Action: BNL-04/01/1997-I0001-0017-A</b>	
Critical Outcomes with assigned weights to Operational Excellence.	04/01/99
<b>Action: BNL-04/01/1997-I0001-0018-A</b>	
Complete Performance Goals and Measures for Level 1 and Level 2 Managers	07/31/99
<b>Issue: Inadequate DOE Oversight - DOE has not established and implemented a structured, effective oversight...</b>	
<b>Action: BNL-04/01/1997-I0004-0001-A</b>	
Established Internet-based system to allow SC managers to monitor high-level performance indicators for each SC laboratory.	02/16/99
<b>Action: BNL-04/01/1997-I0004-0002-A</b>	
Actively participated in implementing Integrated Safety Management at SC laboratories, including participation in ISM verifications.	09/30/98
<b>Action: BNL-04/01/1997-I0004-0003-A</b>	
Established the Brookhaven-Headquarters Management Council and Working Group to provide improved coordination and integration of ES&H and infrastructure management issues at BNL. The Council coordinates ES&H and infrastructure management of BNL among Headquarters DOE elements. SC science programs, SC support organizations, other DOE headquarters organizations, BHG, and BSA work together to resolve issues.	06/13/98
<b>Action: BNL-04/01/1997-I0004-0004-A</b>	
Participated in DOE-wide reviews of proposed ES&H and infrastructure actions at BNL, including budgets and priorities.	06/02/98
<b>Action: BNL-04/01/1997-I0004-0005-A</b>	
SC-80 Associate Director chaired meeting with SC and BHG staff to review a BHG request for additional operations funding for the laboratory.	12/10/97
<b>Action: BNL-04/01/1997-I0004-0006-A</b>	
Conducted a special review of BNL fire/rescue operations.	08/22/97
<b>Action: BNL-04/01/1997-I0004-0007-A</b>	
Conducted periodic reviews of BNL operational issues by the Headquarters-Brookhaven Management Council and its supporting working group.	02/25/99
<b>Action: BNL-04/01/1997-I0004-0008-A</b>	
Conducted review of BNL's environmental management system by SC and CH staff.	11/20/98
<b>Action: BNL-04/01/1997-I0004-0009-A</b>	
Participated in accident investigation at BNL.	07/31/97
<b>Action: BNL-04/01/1997-I0004-0010-A</b>	
Conducted annual on-site review of BNL's institutional plans by the SC Director, with participation by the SC Associate Director for Laboratory Operations and ES&H.	09/18/98

## Description

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**Action: BNL-04/01/1997-I0004-0011-A**

Scheduled specific review of ES&H performance under the provision for contract termination if ES&H performance is

**Action: BNL-04/01/1997-I0004-0012-A**

Contributed to the development of Departmental policy on Health Oversight (DOE P 450.5).

**Action: BNL-04/01/1997-I0004-0013-A**

Developed and signed a Memorandum of Agreement to clarify responsibilities of SC Headquarters and other Department and operations at BNL. The MOA specifically defines responsibilities and program-specific ES&H activities.

**Action: BNL-04/01/1997-I0004-0014-A**

Defined SC-1 expectation for ES&H protection to be on par with key laboratory performance expectation. Implemented the performance measures for both ES&H protection and science

**Action: BNL-04/01/1997-I0004-0015-A**

Approved and issued DOE-CH FRAM to formally define the authorities for ensuring that ES&H requirements are met.

**Action: BNL-04/01/1997-I0004-0016-A**

Established applicability, responsibilities, and requirements for Training and Qualification Program, which will better equip oversight activities.

**Action: BNL-04/01/1997-I0004-0017-A**

Provided oversight support for BHG consistent with Service. Assisted in the development of review protocols, SAR review activities.

**Action: BNL-04/01/1997-I0004-0018-A**

BHG increased the staff with new expertise in health physics and environmental compliance. These additional personnel will perform additional oversight activities.

**Action: BNL-04/01/1997-I0004-0019-A**

Developed and issued an annual Assessment Plan to define Experts' functions and roles in oversight activities

**Action: BNL-04/01/1997-I0004-0020-A**

Reorganized to ensure clear roles and responsibilities for

**Action: BNL-04/01/1997-I0004-0021-A**

BHG managers participated in periodic surveillances and operational awareness activities.

**Action: BNL-04/01/1997-I0004-0022-A**

Implemented changes to BHG operational oversight awareness and focus more on work.

Description	Completion Date
<b>Action: BNL-04/01/1997-I0004-0023-A</b>	
CH and BHG lead project team developed and BHG implemented a process for oversight of the BNL ES&H management plan implementation by BHG.	
<b>Action: BNL-04/01/1997-I0004-0024-A</b>	
Trained and assigned facility representatives in accordance with DOE standards to provide more effective oversight of day-to-day facility operations at BNL.	11/30/98
<b>Action: BNL-04/01/1997-I0004-0025-A</b>	
Issued new BHG administrative instructions that describe the responsibilities, authorities and procedures to implement the improved operational awareness program.	12/31/98
<b>Action: BNL-04/01/1997-I0004-0026-A</b>	
Performed initial Facility Group Integrated Safety Management (ISM) Evaluations to evaluate plans and progress toward ISM implementation.	04/02/99
<b>Issue: Ineffective Work Planning and Control System - BNL has not established an effective work planning an...</b>	
<b>Action: BNL-04/01/1997-I0005-0001-A</b>	
Established Work Planning and Control Program to ensure that hazards associated with maintenance, construction, and similar site activities are properly identified and addressed during work planning. to ensure that hazards associated with maintenance, construction, and similar site activities are properly identified and addressed during work planning.	12/31/98
<b>Action: BNL-04/01/1997-I0005-0002-A</b>	
Established Planning and Control of Experiments program to ensure that the often unique hazards associated with experimental research are properly identified and addressed during research activity planning	01/07/99
<b>Issue: Lack of Accountability for ES&amp;H Priorities - Few effective mechanisms exist to ensure proper account...</b>	
<b>Action: BNL-04/01/1997-I0002-0001-A</b>	
Revise CH line position descriptions to establish accountability for ES&H.	11/15/97
<b>Action: BNL-04/01/1997-I0002-0002-A</b>	
ES&H responsibilities added to all applicable BHG position descriptions.	01/05/98
<b>Action: BNL-04/01/1997-I0002-0003-A</b>	
ES&H related performance measures added to BSA contract.	01/05/98
<b>Action: BNL-04/01/1997-I0002-0004-A</b>	
Develop contractual performance measures & criteria for BNL contract.	01/05/98
<b>Action: BNL-04/01/1997-I0002-0005-A</b>	
Developed and Issued BHG Administrative Instructions.	12/31/98
<b>Action: BNL-04/01/1997-I0002-0006-A</b>	
Issued BHG ES&H Management Plan.	01/31/99
<b>Action: BNL-04/01/1997-I0002-0007-A</b>	
Roles, Responsibilities, Accountabilities and Authorities (R2A2s) completed for staff. HR lead site-wide effort to develop and complete R2A2s.	01/31/99
<b>Action: BNL-04/01/1997-I0002-0008-A</b>	

Description	Completion Date
ES&H related goals included in BSA contract off ramp provisions. <b>Action: BNL-04/01/1997-I0002-0009-A</b>	04/01/99
Critical Outcomes not defined <b>Action: BNL-04/01/1997-I0002-0010-A</b>	04/01/99
All senior managers' Goals and Measures have not been completed <b>Action: BNL-04/01/1997-I0002-0011-A</b>	07/31/99
Develop and Issue a BHG Functions, Responsibilities and Authorities Manual <b>Issue: Poor Implementation of Procedures for Control Hazards Site-wide - ES&amp;H standards for several hazards...</b> <b>Action: BNL-04/01/1997-I0006-0001-A</b>	09/27/99
Developed standard for conducting experimental reviews. <b>Issue: Poor Management of Safety Issues - Inadequate management processes exist at BHG and BNL to ensure ES...</b> <b>Action: BNL-04/01/1997-I0003-0001-A</b>	01/07/99
Implemented an Issue Tracking/Trending Management System <b>Action: BNL-04/01/1997-I0003-0002-A</b>	12/31/97
Established Independent Oversight Office to analyze and verify the effectiveness of BNL management systems, including capturing and distributing lessons learned from BNL and the DOE complex. <b>Action: BNL-04/01/1997-I0003-0003-A</b>	03/01/98
Established Integrated Assessment Program. <b>Action: BNL-04/01/1997-I0003-0004-A</b>	10/01/98
BHG established a bimonthly management level meeting with BNL to discuss feedback issues identified in the BHG bimonthly report, including ES&H issues. <b>Action: BNL-04/01/1997-I0003-0005-A</b>	10/09/98
BHG developed and implemented a bimonthly feedback report to BNL, which includes discussion of ES&H issues. <b>Action: BNL-04/01/1997-I0003-0006-A</b>	10/09/98
Developed and implemented Facility Observation Trending database, Issues database and Occurrence Report Tracking database systems for BHG, and issued an administrative procedure on the use of the BHG databases. These data systems have improved the collection and tracking of specific information, issues, and actions related to ES&H protection at BNL. <b>Action: BNL-04/01/1997-I0003-0007-A</b>	11/05/98
Established Lessons Learned Program in the Independent Oversight Office to collect and disseminate lessons learned to laboratory managers <b>Issue: Weaknesses in the Radiological Control Program - Implementation of the radiological control program ...</b> <b>Action: BNL-04/01/1997-I0007-0001-A</b>	03/31/99
BHG hired a health physicist to assist in oversight and management of radiation protection programs. <b>Action: BNL-04/01/1997-I0007-0002-A</b>	01/15/98
Established and implemented a plan to ensure that assessment of radiological controls is a prominent component of BHG's overall assessment program.	10/09/98

Description	Completion Date
<b>Action: BNL-04/01/1997-I0007-0003-A</b>	
BHG trained and assigned facility representatives, surveillance representatives and technical experts to improve oversight and management of radiation protection activities.	02/10/99
<b>Action: BNL-04/01/1997-I0007-0004-A</b>	
Final Project Plan for the Re-engineering of the Radiation Protection Program	07/27/99
<b>Action: BNL-04/01/1997-I0007-0005-A</b>	
Completion of related issues in BHG RCT Assessment.	09/27/99
<b>Report: Type A Accident Investigation Board Report on the June 20, 1997 Construction Fatality at the Brookha... - 07/01/1997</b>	
<b>Issue: JON-01 There is a need for BNL to incorporate the following revision to its procurement procedure: (...</b>	
<b>Action: BNL-07/01/1997-I0001-0001-A</b>	
Solicitation for BOAs includes the evaluation criteria for the contract. Scoring criteria are developed to objectively evaluate bidders' ability to safely perform work. The details on implementing this process are included in the Basic Source Selection Process Guidelines. Included in the contract is the provision for evaluating contractor performance mid-project as well as at the end of the project, using the Contractor Performance	12/31/97
<b>Action: BNL-07/01/1997-I0001-0002-A</b>	
Evaluation of Contractor Performance Mid-project. Solicitation for BOAs includes the evaluation criteria for the contract. Scoring criteria are developed to objectively evaluate bidders' ability to safely perform work. The details on implementing this process are included in the Basic Source Selection Process Guidelines. Included in the contract is the provision for evaluating contractor performance mid-project as well as at the end of the	03/31/98
<b>Action: BNL-07/01/1997-I0001-0003-A</b>	
Plant Engineering also developed a procedure for evaluating contractor performance at the 50% and 100% completion stages of the construction contract.	08/31/98
<b>Action: BNL-07/01/1997-I0001-0004-A</b>	
A database consultant was hired to work with Plant Engineering, Contracts & Procurement, Safeguards and Security, and Safety and Health Services Divisions and developed a contractor qualification and performance database.	12/31/98
<b>Issue: JON-02 There is a need for BNL to implement a policy to ensure contractors' substance abuse programs...</b>	
<b>Action: BNL-07/01/1997-I0002-0001-A</b>	
Compliance with FAR 52.223-6 has been required in the General Provisions of BNL Fixed Price Construction Contracts since 10/90. The contractor involved in this incident had submitted a program that included a requirement for drug testing, (which exceeded the requirements of FAR 52.223-6), that could not legally be required of the Laborers' Union. The investigation team recommended that BNL ensure that a contractor can	09/12/97
<b>Issue: JON-03 There is a need for the Contractor to resubmit, for BNL approval, a revised substance abuse p...</b>	
<b>Action: BNL-07/01/1997-I0003-0001-A</b>	
Bi-County Construction Corporation submitted a letter to BNL supplementing their safety plan. The letter described the limitations imposed on their drug and alcohol program due to union agreements.	09/10/97
<b>Issue: JON-04 There is a need for BNL organizations and BNL's Contractor/Vendor Orientation needs to emphas...</b>	

Description	Completion Date
<b>Action: BNL-07/01/1997-10004-0001-A</b>	
BNL Contractor/Vendor Orientation already addresses heavy equipment safety. S&H Services Division Training Group has updated the Contractor/Vendor Orientation to further emphasize and reinforce the fact that operations involving heavy equipment can inflict serious or fatal injuries despite the existence of functioning reverse-signal alarm or use of spotter.	12/28/97
<b>Issue: JON-05 There is a need for the DOE Office of Worker Safety (EH-5) to issue a safety bulletin regardi...</b>	
<b>Action: BNL-07/01/1997-10005-0001-A</b>	
A DOE Safety and Health bulletin was prepared and issued by the Office of Occupational Safety and Health Policy (EH-51) 11/30/97	
<b>Site: DOE - Wide CSO - FM - Office of the Associate Deputy Secretary for Field Management</b>	
<b>Report: Independent Oversight Review of the Department of Energy Quality Assurance Program for Suspect/Count... - 03/01/1996</b>	
<b>Issue: Weaknesses in the Department's Suspect/Counterfeit Parts Program - Weaknesses exist in some importan...</b>	
<b>Action: DOEW-03/01/1996-10001-0001-A</b>	
Page change to DOE O 440.1, "Worker Protection Management for DOE Federal and Contractor Employees," incorporated to specify requirements to control suspect/counterfeit items (S/CI) as an integral part of QA programs.	03/31/98
<b>Action: DOEW-03/01/1996-10001-0002-A</b>	
DOE G 440.1-6 was developed and issued in June 1997 to provide implementation guidance on S/CI controls.	06/30/97
<b>Action: DOEW-03/01/1996-10001-0003-A</b>	
DOE G 440.1-6 provides guidance on a graded approach to controlling S/CIs discovered in safety and non-safety systems and critical lifting equipment.	06/30/97
<b>Action: DOEW-03/01/1996-10001-0004-A</b>	
DOE G 440.1-6 provides guidance on conducting engineering evaluations to determine whether an installed S/CI is suitable for its application.	06/30/97
<b>Action: DOEW-03/01/1996-10001-0005-A</b>	
DOE O 232.1, "Occurrence Reporting and Processing of Operations Information", required prompt reporting of S/CIs, regardless of their location and safety significance.	07/31/97
<b>Action: DOEW-03/01/1996-10001-0006-A</b>	
The DOE Quality Assurance Working Group (QAWG) was formed, held its first meeting in August 1996 and established a charter with objectives to resolve S/CI issues and disseminate S/CI information.	08/31/96
<b>Action: DOEW-03/01/1996-10001-0007-A</b>	
Quality Assurance Working Group (QAWG) S/CI information dissemination activities include: - quarterly tele-video conferences, - routine searches of GIDEP for S/CI Data Collection Sheets to determine appropriate actions, and - development of QAWG Homepage.	08/31/96
<b>Action: DOEW-03/01/1996-10001-0008-A</b>	
EH developed and issued S/CI notifications (e.g., alerts, advisories) to provide background information, issues, safety implications, and actions to be considered.	08/31/96

Description	Completion Date
<b>Action: DOEW-03/01/1996-I0001-0009-A</b> The Supplier Quality Information Group (SQIG) assisted in disseminating S/CI information.	08/31/96
<b>Action: DOEW-03/01/1996-I0001-0010-A</b> DOE and contractor training courses were developed and presented to managers and crafts on S/C parts awareness and preventive methods.	08/31/96
<b>Action: DOEW-03/01/1996-I0001-0011-A</b> Funded development of Hanford Quality Training Resource Center courses for managers, crafts, and others.	12/31/96
<b>Action: DOEW-03/01/1996-I0001-0012-A</b> Designed prevention tools and methods. - procurement organizations trained for S/CI program development and prevention, - vendor awareness developed and evaluated for knowledge and implementation of S/CI process, - course for S/CI fastener analysis discovered cranes.	12/31/94
<b>Action: DOEW-03/01/1996-I0001-0013-A</b> Overall responsibility for maintaining Department focus on S/CI issues was assigned be the Under Secretary to the DOE QAWG.	08/31/96
<b>Action: DOEW-03/01/1996-I0001-0014-A</b> A computerized method for tracking and trending S/CI occurrences was developed by DP-45 for QAWG use and incorporated into a semi-annual report.	12/31/96
<b>Action: DOEW-03/01/1996-I0001-0015-A</b> The QAWG assists EH in developing S/CI policies, requirements, and guidance.	08/31/96
<b>Action: DOEW-03/01/1996-I0001-0016-A</b> QAWG meetings and teleconferences provide a DOE-wide forum for coordinating and integrating actions on S/CI issues.	08/31/96
<b>Site: East Tennessee Technology Park CSO - EM - Assistant Secretary for Environmental Management</b> <b>Report: Safety Management Evaluation of the Facility Disposition Programs at the East Tennessee Technology P... - 09/01/1997</b> <b>Issue: Facility Dispositioning Weaknesses EM and OR are not ensuring that the decontamination and decommis...</b>	
<b>Action: ETTP-09/01/1997-I0002-0001-A</b> The buildings in the AIP program were walked down by a team to identify structural, electrical, mechanical, safety security and roofing issues.	01/31/99
<b>Action: ETTP-09/01/1997-I0002-0002-A</b> Em and Or are not ensuring that the decontamination and decommissioning program at ETTP is effectively dispositioning high-risk facilities and reducing hazards on a priority basis.	03/31/99
<b>Issue: Inadequate Allocation of Resources The addition of reindustrialization to the ETTP mission has reduc...</b>	
<b>Action: ETTP-09/01/1997-I0003-0001-A</b> A special review indicates significant improvement in the separation of D&D and reindustrialization resources, and in some cases instances are contributing to D&D and the cleanup of facilities under reindustrialization.	03/31/99

Description	Completion Date
<b>Action: ETPP-09/01/1997-I0003-0002-A</b>	
The ETPP Watershed Team has responsibility for the D&D program as well as other EM activities. This allows the Park projects to be integrated and ensures that the highest overall risks at the Park receive sufficient management attention and priority for funding.	12/18/98
<b>Action: ETPP-09/01/1997-I0003-0003-A</b>	
The DOE Quality Management Systems Team has assigned a single point of contact for reports, analysis, and trending key issues and vulnerabilities to improve the ORO Oversight program.	03/31/99
<b>Issue: Inadequate Determination of Safety Requirements, Accountability, Liability and DOE Roles and Respons...</b>	
<b>Action: ETPP-09/01/1997-I0004-0001-A</b>	
Safety oversight was transitioned from Reindustrialization and became the responsibility of the ETPP DOE Site Office. Safety assisted visits are still a joint effort with both staff members on the team.	03/31/98
<b>Action: ETPP-09/01/1997-I0004-0002-A</b>	
Implementatio of the safety and health policy.	02/02/98
<b>Action: ETPP-09/01/1997-I0004-0003-A</b>	
Lessee worker clarification and training.	12/18/98
<b>Action: ETPP-09/01/1997-I0004-0004-A</b>	
Communication of safety-related information.	03/01/98
<b>Issue: Leasing of Shared Spaces in Buildings that have not been Decontaminated The leasing of shared spaces...</b>	
<b>Action: ETPP-09/01/1997-I0005-0001-A</b>	
Obtain approval of Betchel Jacobs' Radiation Protection Program.	04/01/98
<b>Action: ETPP-09/01/1997-I0005-0002-A</b>	
Obtained rad survey of the main floor of Building K-1401.	12/18/97
<b>Action: ETPP-09/01/1997-I0005-0003-A</b>	
Perform air sampling of Building K1401.	12/18/97
<b>Action: ETPP-09/01/1997-I0005-0004-A</b>	
Decontamination of Building 1401	12/31/98
<b>Action: ETPP-09/01/1997-I0005-0005-A</b>	
Develop and implement business practices to control lessee activities.	12/18/97
<b>Issue: Management Systems and Infrastructure Weaknesses DOE and LMES management systems and Infrastructures...</b>	
<b>Action: ETPP-09/01/1997-I0006-0001-A</b>	
Integrated Safety Management System	03/31/99
<b>Action: ETPP-09/01/1997-I0006-0003-A</b>	
Occurrence reporting memorandum.	12/18/97
<b>Action: ETPP-09/01/1997-I0006-0004-A</b>	
Safety concern reporting program	12/18/97
<b>Action: ETPP-09/01/1997-I0006-0005-A</b>	
Worker involvement	12/18/97

Description	Completion Date
<b>Issue: Weakness in the maintenance of higher-risk facilities. Higher-risk facilities are not being maintain...</b>	
<b>Action: ETTP-09/01/1997-I0001-0001-A</b> All of the "higher risk facilities" have been placed under contract for demolition or decontamination. Demolition of Buildings 725/724/1131/1410/1030 is complete. Decontamination of K-1420 has started.	02/02/98
<b>Action: ETTP-09/01/1997-I0001-0002-A</b> The buildings in the AIP program were walked down by a team to identify structural, electrical, mechanical, safety, security, and roofing issues. This action is a subpart of action 1.4 in which building data is put into a management oriented database which identifies current issues and tracks/trends changes in building condition.	02/02/98
<b>Action: ETTP-09/01/1997-I0001-0003-A</b> Programs that use shutdown facilities for occupancy or to store chemicals, materials, or wastes pay the S&M program for incremental costs and building improvements. Use of the shutdown facilities was reviewed by the Park's fire department, facility safety, and emergency preparedness staffs to ensure compliance with occupancy and storage requirements.	12/18/97
<b>Action: ETTP-09/01/1997-I0001-0004-A</b> The AIP buildings were reviewed for structural, electrical, security/classification issues, environmental and personnel safety and health concerns. Issues reviewed by technical experts were placed into a tracking database. The management program was reviewed. Several weaknesses were identified in documentation and procedures and corrected. The facility authorization basis and controls were reviewed and several deficiencies were	03/01/98
<b>Issue: Work Planning and Control and Lesson Learned Weaknesses Three serious accidents in the last five yea...</b>	
<b>Action: ETTP-09/01/1997-I0007-0001-A</b> Tracking and trending of occurrence reports.	04/30/98
<b>Action: ETTP-09/01/1997-I0007-0002-A</b> Lessons learned during work planning	12/18/97
<b>Action: ETTP-09/01/1997-I0007-0003-A</b> Event Critique Process.	12/18/97
<b>Action: ETTP-09/01/1997-I0007-0004-A</b> Supervisor qualifications.	12/18/97
<b>Report: Type A Accident Investigation Board Report of the February 13, 1997 Welding/Cutting Fatality at the ... - 04/01/1997</b>	
<b>Issue: JON-02 Concurrent with the EH-1 review, LMES should review and revise, as appropriate, its specifica...</b>	
<b>Action: ETTP-04/01/1997-I0002-0001-A</b> Assemble a multi-disciplinary team, representing both K-25 and Y-12 and involving workers, line managers, and S&H professionals, to make recommendations relative to FR clothing for WBH. Assemble a multi-disciplinary team, representing both K-25 and Y-12 and involving workers, line managers, and S&H professionals, to make recommendations relative to FR clothing for WBH.	03/19/97
<b>Action: ETTP-04/01/1997-I0002-0002-A</b> Review the contents of the DOE Board Outbriefing with the "WBH Clothing Committee," and allow team to view the clothing burn test videos and discuss burn test results and their implications.	03/19/97

Description	Completion Date
<b>Action: ETTP-04/01/1997-I0002-0003-A</b> "WBH Team" to meet with representatives from Portsmouth and Paducah to understand their experiences with the use of flame-resistant clothing during the past 2-3 years.	03/21/97
<b>Action: ETTP-04/01/1997-I0002-0004-A</b> "WBH Team" to prepare recommendation for management implementation to require that welders and fire watch personnel wear FR anti-c's.	03/27/97
<b>Action: ETTP-04/01/1997-I0002-0005-A</b> Obtain initial quantities of suitable FR anti-C's to be worn by welders and others as needed in Radiological areas.	04/02/97
<b>Action: ETTP-04/01/1997-I0002-0006-A</b> Direct that maintenance organizations comply with the recommendation that all welders and fire watch personnel wear FR anti-C's.	03/27/97
<b>Action: ETTP-04/01/1997-I0002-0007-A</b> Prepare and distribute Energy Systems management directive(s) to require implementation of recommendations relative to FR clothing for WBH throughout Energy Systems, including construction and subcontractor personnel.	05/23/97
<b>Action: ETTP-04/01/1997-I0002-0008-A</b> Prepare final specifications for Energy Systems Oak Ridge FR-treated anti-C's, based on performance feedback from initial use of these garments.	05/31/97
<b>Action: ETTP-04/01/1997-I0002-0009-A</b> Coordinate field-testing of selected FR-treated general-purpose work garments to be sampled by welders to establish specifications for general-purpose work garments to be worn by welders.	06/18/97
<b>Action: ETTP-04/01/1997-I0002-0010-A</b> Prepare approved final specification for Energy Systems Oak Ridge FR-treated general-purpose work garment, based on feedback from field sampling.	08/15/97
<b>Action: ETTP-04/01/1997-I0002-0011-A</b> Identify the tasks or risk factors for workers other than welders who will require FR clothing.	06/16/97
<b>Action: ETTP-04/01/1997-I0002-0012-A</b> Procure, in accordance with the approved specification, sufficient quantities of FR anti-C's and general-purpose work coveralls for appropriate distribution to identified K-25 and Y-12 users to meet long-term needs.	12/01/97
<b>Action: ETTP-04/01/1997-I0002-0013-A</b> Incorporate the established requirements for use of FR clothing into appropriate Energy Systems command media.	08/27/97
<b>Action: ETTP-04/01/1997-I0002-0014-A</b> Prepare a summary of pertinent information relative to FR garments (i.e., terminology, test standards, applications, limitations) for internal distribution and distribution by DOE as appropriate, throughout the DOE complex.	07/31/97
<b>Action: ETTP-04/01/1997-I0002-0015-A</b>	

Description	Completion Date
Further Clarify requirements for when and how flame resistant clothing should be used. <b>Issue: JON-04 Concurrent with the EH-1 review, LMES needs to evaluate safety hazards for workers specific t...</b>	10/30/98
<b>Action: ETPP-04/01/1997-I0004-0001-A</b>	
Revise the Radiological Work Permit process (Y-70-122, "Radiological Work Permits") to strengthen the need to interface with other safety disciplines and eliminate conflicting PPE requirements.	03/25/97
<b>Action: ETPP-04/01/1997-I0004-0002-A</b>	
Issue Y-70-122, "Radiological Work Permits," for applicability to K-25 RADCON programs.	06/30/97
<b>Action: ETPP-04/01/1997-I0004-0003-A</b>	
Respond to the Red Alert update requiring a review of permitted work already in progress so that no additional hazards are introduced due to multiple controls.	05/05/97
<b>Action: ETPP-04/01/1997-I0004-0004-A</b>	
Review feedback from Red Alert and determine need for additional lessons learned.	03/31/98
<b>Action: ETPP-04/01/1997-I0004-0005-A</b>	
Charter safe work planning group to assure appropriate level of planning for work at K-25.	05/19/97
<b>Action: ETPP-04/01/1997-I0004-0006-A</b>	
Begin pilot work planning reviews using the guidance in SH-120PD, "Safe Work Control Program," and the draft work categorization matrix.	05/19/99
<b>Action: ETPP-04/01/1997-I0004-0008-A</b>	
Initiate periodic meeting(s) at Oak Ridge among S&H personnel, line managers, and workers to foster communication and clarify S&H requirements and controls.	08/15/97
<b>Action: ETPP-04/01/1997-I0004-0009-A</b>	
Incorporate the established requirements for use of FR clothing into appropriate Energy Systems command media.	08/27/97
<b>Action: ETPP-04/01/1997-I0004-0010-A</b>	
Modify and issue the Energy Systems Program Description, SH-120PD, "Safe Work Controls Program," to accommodate tailored, integrated approaches to hazards analysis and to clarify the responsibilities and interactions necessary to effect safe conduct of work.	10/02/97
<b>Action: ETPP-04/01/1997-I0004-0011-A</b>	
Revise Appropriate K-25 command media to incorporate criteria for work categories and corresponding levels of work planning.	09/30/97
<b>Action: ETPP-04/01/1997-I0004-0012-A</b>	
Develop and initiate awareness sessions for Energy Systems SH-120PD, "Safe Work Controls Program."	05/19/99
<b>Action: ETPP-04/01/1997-I0004-0013-A</b>	
Perform assessment of safe work control program at ETPP.	01/12/98
<b>Action: ETPP-04/01/1997-I0004-0014-A</b>	
Develop a framework for work planning and control across the M&I contract (institutionalize) through proceduralizing the process.	05/19/99

Description	Completion Date
<b>Action: ETPP-04/01/1997-I0004-0015-A</b>	
WPPIS is the primary tool for work planning and control for BJC self-performed work. The WPPIS program will be revised to include early ES&H, worker, and SME involvement in development of work packages. The revised WPPIS program will incorporate a graded approach to ES&H, ET&S, P/QA, and transportation participation in development and review of work packages.	05/19/99
<b>Action: ETPP-04/01/1997-I0004-0016-A</b>	
For subcontractor performed work, work planning and control will be addressed as part of the RP. Subcontractors will be required to address the required elements for work planning and control, consistent with lsm and the overall project execution process. Subcontractors will also be allowed the flexibility to bring their own specific processes to the projects. Subcontractors will be specifically required to address how hot work and	05/19/99
<b>Action: ETPP-04/01/1997-I0004-0017-A</b>	
A single procedure addressing JHA requirements will be developed from existing procedures. This new procedure (SHA-2010 Hazard Review) will consolidate current hazard assessment processes into a single protocol, and will address roles and responsibilities for hazard assessments. This consolidated procedure will specify a range of hazard assessment techniques using a graded approach based on the complexity and	05/19/99
<b>Action: ETPP-04/01/1997-I0004-0018-A</b>	
Issue a directive to ORO Managers re-emphasizing the importance of injury and near-miss data and their responsibility to encourage its reporting.	04/11/97
<b>Action: ETPP-04/01/1997-I0004-0019-A</b>	
The importance of reporting near-miss events will be further discussed and emphasized at the next ORO Facility Representative meeting. Training will be conducted to ensure that all Facility Representatives fully understand the definition and importance of reporting near-miss events.	07/16/97
<b>Issue: JON-06 - Concurrent with the EH-1 review of fire watch policy, LMES needs to review and revise, as a...</b>	
<b>Action: ETPP-04/01/1997-I0006-0001-A</b>	
Flowchart the steps necessary to (1) perform the permitting process for WBH, (2) safely begin WBH, and (3) maintain a level of S&H protection.	03/24/97
<b>Action: ETPP-04/01/1997-I0006-0002-A</b>	
WBH Permit instructions.	03/31/97
<b>Action: ETPP-04/01/1997-I0006-0003-A</b>	
Post the procedure FP-111/Rev.4, "Welding, Burning, and Hotwork Outside of an Approved Fixed Weld Shop," on the Web for review.	04/04/97
<b>Action: ETPP-04/01/1997-I0006-0004-A</b>	
Validate contents of FP-111/Rev.4, "Welding, Burning, and Hotwork Outside of an Approved Fixed Weld Shop," after incorporating comments.	04/03/97
<b>Action: ETPP-04/01/1997-I0006-0005-A</b>	
Revise the lesson plan for the fire watch to incorporate FP-111/Rev.4 (Module 10389).	05/19/99
<b>Action: ETPP-04/01/1997-I0006-0006-A</b>	
Revise the lesson plan for the issuing authorities and service supervisors to incorporate FP-111/Rev.4 (Module 11655).	05/19/99

Description	Completion Date
<b>Action: ETPP-04/01/1997-I0006-0007-A</b> Initiate training for fire watch personnel (Module 10389).	07/15/97
<b>Action: ETPP-04/01/1997-I0006-0008-A</b> Initiate training for issuing authorities and service supervisors (Module 11655).	05/19/99
<b>Action: ETPP-04/01/1997-I0006-0009-A</b> Further evaluate the use of fire blankets by fire watch personnel as fire-extinguishing equipment.	07/16/97
<b>Issue: JON-07 There is a need for OR and LMES to foster and assure a work environment (including positive i...</b>	
<b>Action: ETPP-04/01/1997-I0007-0001-A</b> Define S&H Concern/Near-Miss Reporting Process and Program for EMEF for use at ETPP.	05/12/97
<b>Action: ETPP-04/01/1997-I0007-0002-A</b> Develop form to report S&H Concern/Near-Miss for EMEF for use at ETPP.	05/12/97
<b>Action: ETPP-04/01/1997-I0007-0003-A</b> Determine methods to capture information for tracking and trending for EMEF.	05/30/97
<b>Action: ETPP-04/01/1997-I0007-0004-A</b> Develop program instructions for S&H Concern/Near-Miss Reporting Process for EMEF.	05/30/97
<b>Action: ETPP-04/01/1997-I0007-0005-A</b> Approve S&H Concern/Near-Miss Reporting Process, SH-119INS for EMEF.	06/20/97
<b>Action: ETPP-04/01/1997-I0007-0006-A</b> Initiate communication and implementation of S&H Concern/Near-Miss Reporting Process, SH-119INS, at ETPP.	06/23/97
<b>Issue: JON-08a There is a need for LMES to strengthen existing work planning processes, including procedure...</b>	
<b>Action: ETPP-04/01/1997-I0008-0001-A</b> Issue a letter to EMEF employees to reinforce a commitment to a safe and healthful work environment and support of safety management principles.	04/08/97
<b>Action: ETPP-04/01/1997-I0008-0002-A</b> Develop a schedule of surveillance's for ETPP to be performed by S&H personnel, in conjunction with line management, with emphasis on field implementation of S&H safety requirements.	04/30/97
<b>Action: ETPP-04/01/1997-I0008-0003-A</b> Perform surveillance's and assessments of work operations and activities at ETPP for the following purposes: (a) to verify that line supervisors/managers understand their accountability for the safe execution of work; and (b) to confirm the use of engineered controls/administrative controls (as feasible) over PPE.	04/30/97
<b>Action: ETPP-04/01/1997-I0008-0004-A</b> Reinforce the understanding through various communication media (i.e. senior management presentation of Lessons Learned video in response to the Accident, Inside Line, Energy Systems News/Ridgelines, plant announcements) that line management is responsible and accountable for the safe and efficient conduct of work to specify the protection of workers, the public, and the environment.	06/30/97

Description	Completion Date
<b>Action: ETPP-04/01/1997-I0010-0005-A</b>	
The actions listed under JON 4 will address JON 8c as well. Jon 8c will be closed when the actions for JON 4 are completed.	12/01/98
<b>Issue: JON-08d LMES needs to strengthen existing work planning processes, including procedures and training...</b>	
<b>Action: ETPP-04/01/1997-I0011-0001-A</b>	
Provide greater access to the Lessons Learned on the Internet to the work planners and supervisors.	06/02/97
<b>Action: ETPP-04/01/1997-I0011-0002-A</b>	
Develop screening and analysis capability, including management review to develop lessons learned applicable to work planning	01/13/98
<b>Action: ETPP-04/01/1997-I0011-0003-A</b>	
Define method to use lessons learned in work planning and job execution.	06/30/97
<b>Action: ETPP-04/01/1997-I0011-0004-A</b>	
Review Lessons Learned system and directions for its use with work planners and supervisors.	07/15/97
<b>Action: ETPP-04/01/1997-I0011-0005-A</b>	
Perform assessment of work planning process for use of lessons learned information at ETPP.	12/03/97
<b>Action: ETPP-04/01/1997-I0011-0006-A</b>	
Revise the lessons learned system to incorporate lessons learned and performance deficiencies (e.g., from the I-Care We-Care program and post-job briefings). Develop a mechanism to communicate this information to BJC workers, subcontractors, and other site occupants.	12/01/98
<b>Action: ETPP-04/01/1997-I0011-0007-A</b>	
Direct organizational managers to assess and provide feedback on the adequacy of ETPP supervisors' experience and training as related to the organizations' needs.	06/02/97
<b>Issue: JON-08e LMES needs to strengthen existing work planning processes, including procedures and training...</b>	
<b>Action: ETPP-04/01/1997-I0012-0001-A</b>	
Direct organizational managers to assess and provide feedback on the adequacy of ETPP supervisors' experience and training as related to the organizations' needs.	06/02/97
<b>Action: ETPP-04/01/1997-I0012-0002-A</b>	
Institute group meetings of ETPP supervisors with EMEF senior managers to review expectations for supervisors' responsibilities and accountability for safety.	03/03/98
<b>Action: ETPP-04/01/1997-I0012-0003-A</b>	
Initiate ISM training via the Lessons Learned video, which emphasizes supervisors' roles and responsibilities in safe work planning and execution.	06/13/97
<b>Action: ETPP-04/01/1997-I0012-0004-A</b>	
Evaluate results of the experience and training assessments, and identify additional actions and training needs.	07/14/97
<b>Action: ETPP-04/01/1997-I0012-0005-A</b>	

Description	Completion Date
Issue the Energy Systems ISM system description document, including roles and responsibilities.	05/19/99
<b>Action: ETPP-04/01/1997-I0012-0006-A</b>	
Obtain participation in Facility Excellence or other facility walkdowns by 80% of the ETPP line and staff supervisors.	12/15/97
<b>Action: ETPP-04/01/1997-I0012-0007-A</b>	
Job descriptions for field supervisors to better define their roles and responsibilities for work activities (e.g. roles in routine vs. special hazard work, etc.) have been completed.	10/09/98
<b>Issue: JON-09 - There is a need for LMES to clearly define in the Safety Work Permit Procedure that the Iss...</b>	
<b>Action: ETPP-04/01/1997-I0013-0002-A</b>	
The actions outlined for JONs 2 and 12 will address all of the issues contained in JON 9	05/19/99
<b>Issue: JON-10 There is a need for LMES to clarify the roles and responsibilities of K-25 issuing authoritie...</b>	
<b>Action: ETPP-04/01/1997-I0014-0001-A</b>	
Form multidisciplinary panel of subject matter experts to review Module 11655, "Facility Managers/Service Supervisors," to determine if training is required for issuing authorities/service supervisors.	05/19/97
<b>Action: ETPP-04/01/1997-I0014-0002-A</b>	
Revise and initiate training for issuing authorities and service supervisors. (Module 11655)	05/19/99
<b>Action: ETPP-04/01/1997-I0014-0003-A</b>	
Develop and conduct supplemental training incorporating requirements for a dedicated fire watch to observe the welder and specifying that designated fire watch personnel are named on the WBH permit.	05/19/99
<b>Action: ETPP-04/01/1997-I0014-0004-A</b>	
Issue a memo to division/organization managers informing them that all personnel identified as an issuing authority must receive adequate training on their specific roles and responsibilities with respect to the permitting process.	05/19/99
<b>Action: ETPP-04/01/1997-I0014-0005-A</b>	
Confirm that each division/organization manager will maintain a listing of issuing authorities, service supervisors, and first-line supervisors for their respective organizations, who have been identified through establishment of baseline S&H training requirements based on the assigned duties of each with respect to the permitting process.	07/30/97
<b>Action: ETPP-04/01/1997-I0014-0006-A</b>	
BJC actions discussed above for JON 4 (Action 4) will address JON 10	05/19/99
<b>Issue: JON-12 - OR needs to ensure that roles, responsibilities, and authorities for management and safety ...</b>	
<b>Action: ETPP-04/01/1997-I0016-0001-A</b>	
Issue a policy statement making health and safety a top priority, and assign responsibility to ORO site Managers for the safe execution of all work at their assigned sites.	05/22/97
<b>Action: ETPP-04/01/1997-I0016-0002-A</b>	
Evaluate current ORO strategy for oversight, maintain a presence in facilities, and make enhancements to ensure facilities are covered on a routine basis through expansion of the Facility Representative program or other means.	10/12/97

Description	Completion Date
<b>Issue: JON-13 There is a need for LMES to clearly communicate roles, responsibilities, and authorities for ...</b>	
<b>Action: ETPP-04/01/1997-I0017-0001-A</b> Meet with EMEF senior managers to emphasize the importance of safety, oversight, and accountability.	03/03/97
<b>Action: ETPP-04/01/1997-I0017-0002-A</b> Conduct EMEF All-Hands Meeting emphasizing safety and accountability.	03/13/97
<b>Action: ETPP-04/01/1997-I0017-0003-A</b> Initiate workshops for ETPP project Managers in the Project Delivery System.	05/01/97
<b>Action: ETPP-04/01/1997-I0017-0004-A</b> Hold off-site meeting with key EMEF managers to clarify and define roles and responsibilities, including specific responsibility for safe work.	05/08/97
<b>Action: ETPP-04/01/1997-I0017-0005-A</b> Issue Project Management System Organization Roles and Responsibilities.	05/30/97
<b>Action: ETPP-04/01/1997-I0017-0006-A</b> Make the inclusion of ISM elements a requirement in the 1998 DPPR performance plan for every ETPP manager and supervisor, along with completion of the 1997 performance appraisal.	05/19/99
<b>Action: ETPP-04/01/1997-I0017-0007-A</b> Communicate the ISM roles and responsibilities.	05/19/99
<b>Action: ETPP-04/01/1997-I0017-0008-A</b> Assess use of ISM in performance planning and the quality of DPPR performance planning.	05/19/99
<b>Action: ETPP-04/01/1997-I0017-0009-A</b> The ISM system description (BJC/OR87) and supplement (BJC/OR146) clearly define roles and responsibilities for safety and oversight. Communication is a part of the ISMS implementation plan. This JON is considered closed since ongoing activities regarding BJC implementation of ISMS were formalized in the ISM system description submittal to DOE-ORO	05/19/99
<b>Action: ETPP-04/01/1997-I0017-0010-A</b> Issue a policy statement making health and safety a top priority, and assign responsibility to ORO site Managers for the safe execution of all work at their assigned sites.	05/22/97
<b>Action: ETPP-04/01/1997-I0017-0011-A</b> Evaluate current ORO strategy for oversight, maintain a presence in facilities, and make enhancements to ensure facilities are covered on a routine basis through expansion of the Facility Representative program or other means.	06/30/97
<b>Issue: JON-14 LMES needs to put its written commitments into action, implementing a safety management syste...</b>	
<b>Action: ETPP-04/01/1997-I0018-0001-A</b> Meet with EMEF senior managers to emphasize the importance of safety, oversight, and accountability.	03/30/97
<b>Action: ETPP-04/01/1997-I0018-0002-A</b> Emphasize safety at the President's monthly Energy Systems management forum.	04/15/97

Description	Completion Date
<b>Action: ETTP-04/01/1997-I0018-0003-A</b> Schedule weekly accident reviews at EMEF staff meetings.	04/30/97
<b>Action: ETTP-04/01/1997-I0018-0004-A</b> Issue Energy Systems safety policy, SH-100 (Appendix J).	04/30/97
<b>Action: ETTP-04/01/1997-I0018-0005-A</b> Restart ETTP Facility Excellence Program.	04/24/97
<b>Action: ETTP-04/01/1997-I0018-0006-A</b> Refocus attention on ETTP Management Assessment Program to include review of process and results by top EMEF management.	05/16/97
<b>Action: ETTP-04/01/1997-I0018-0007-A</b> Provide top management membership on the "Take Two for Safety" Program Implementation Board for ETTP.	05/30/97
<b>Action: ETTP-04/01/1997-I0018-0008-A</b> Initiate implementation of Voluntary Protection Program Improvement Plan.	06/02/97
<b>Action: ETTP-04/01/1997-I0018-0009-A</b> Produce Lessons Learned videotape and Presentation Kit on the Accident.	06/02/97
<b>Action: ETTP-04/01/1997-I0018-0010-A</b> Add score sheets for operational excellence to the ETTP Site Facility Excellence Program.	06/13/97
<b>Action: ETTP-04/01/1997-I0018-0011-A</b> Institute Periodic meeting(s) at Oak Ridge among S&H personnel, line managers, and workers to foster communication and clarify S&H requirements and controls.	05/05/97
<b>Action: ETTP-04/01/1997-I0018-0012-A</b> Initiate presentation of Lessons Learned videotape and Presentation to Lockheed Martin Energy and Environment Sector sites.	07/15/97
<b>Action: ETTP-04/01/1997-I0018-0013-A</b> Conduct self-assessment to determine whether judgments of need and underlying causes for ETTP apply to other sites and develop appropriate corrective actions: Y-12, EMEF at Paducah, EMEF at Portsmouth, EMEF at ORNL.	07/31/97
<b>Action: ETTP-04/01/1997-I0018-0014-A</b> ETTP division Managers assess status of PMT safety metrics, and assess implementation status of ISM in their organizations.	08/01/97
<b>Action: ETTP-04/01/1997-I0018-0015-A</b> Issue the revised ISMS Description document (BJC-OR87).	09/30/98
<b>Action: ETTP-04/01/1997-I0018-0016-A</b> Issue the ISMS supplement.	09/30/98
<b>Action: ETTP-04/01/1997-I0018-0017-A</b> Develop an ISMS implementation plan (Section 6 of ISMS description BJC/OR-87)	09/30/98

**Site: Fernald Environmental Management Project CSO - EM - Assistant Secretary for Environmental Management**

**Report: Followup Review of 1996 Integrated Safety Management Evaluation at the Fernald Environmental Managem... - 10/01/1998**

Description	Completion Date
<b>Issue: Deficiencies in the Conduct of Radiological Work The conduct of radiological operators in the field ...</b>	
<b>Action: Fernald-10/01/1998-I0001-0001-A</b>	
FDF 8.1 Radiological Protection Conduct of Operations	12/30/98
<b>Action: Fernald-10/01/1998-I0001-0002-A</b>	
FDF 8.2 The Radiological Compliance Supervisor and Radiological Control Manager will schedule periodic meetings with Radiological Control Technicians, RCT Supervisors, and Radiological Control Engineers to maintain the communication loop between the project organizations and the programmatic organization. Improvement initiatives will also incorporate information from Corrective Action 8.1.	02/03/99
<b>Action: Fernald-10/01/1998-I0001-0004-A</b>	
FDF 9.1 Radiation Work Permitting FDF Radiological Compliance will conduct an assessment of Radiological Work Permitting currently scheduled for May 1999 in accordance with the triennial assessment schedule required by 10 CFR 835.	06/15/99
<b>Action: Fernald-10/01/1998-I0001-0005-A</b>	
FDF Radiation Work Permitting FDF 9.1.1 FDF's Radiological Control Manual, RM-0020, Chapter RCR 3-2, requires that RWP's be updated if conditions change that would render protective actions ineffective. Site procedure SH-0020, "FEMP Work Permit Procedure" and RP-0020 "Radiological Work Permitting and Authorization," also address stop work authority and modifications to RWP's based on unanticipated conditions.	03/02/99
<b>Action: Fernald-10/01/1998-I0001-0006-A</b>	
FDF 9.2 FDF Radiation Permitting A position paper on Soil Contamination will be issued which includes a general checklist (to be included with the RWP file) that covers the evaluation items that are most often considered when contamination is uncovered.	12/30/98
<b>Report: Independent Oversight Evaluation of the Environment, Safety and Health Programs at the Fernald Envir... - 05/01/1996</b>	
<b>Issue: DOE-FEMP Oversight Weaknesses - The DOE-FEMP assessment program intended to ensure contractor compli...</b>	
<b>Action: Fernald-05/01/1996-I0005-0001-A</b>	
DOE 2.2 DOE-FEMP will revise and implement changes to FIP 7206 to formalize the procedure for reviewing, approving and closing FDF corrective action plans submitted in response to identified concerns. DOE-FEMP formally transmits assessment findings to FDF, but does not require formal corrective action plans for assessment findings.	11/05/98
<b>Action: Fernald-05/01/1996-I0005-0002-A</b>	
DOE 2.2a DOE-FEMP FIP 7206 will be revised and implemented for walkthrough assessment procedures and documentation guidance to indicate proper deficiency transmission to FDF to eliminate confusion, and to direct responsibility for action and expectations. Walkthrough results are used by DOE for tracking and trending purposes which may require deficiency transmission to FDF senior management.	01/28/99
<b>Issue: Electrical Safety Program Weaknesses Weaknesses within the FDF electrical safety program involve cas...</b>	
<b>Action: Fernald-05/01/1996-I0002-0001-A</b>	
DOE 6.1 DOE will identify roles, responsibilities and subject matter experts for the electrical safety program, under the Facility Representative Program and Health and Safety Team (Office of Safety and Assessment), and through the Maintenance Functional Area (Office of Environmental Management) as identified in the TMP.	11/30/98

Description	Completion Date
<b>Action: Fernald-05/01/1996-I0002-0002-A</b>	
FDF 6.1 A nine-person, Sitewide Electrical Safety Committee (SESC), consisting of representatives from senior line management, line management, safety, contractors, the DOE and electrical craft, will be established.	06/18/99
<b>Action: Fernald-05/01/1996-I0002-0003-A</b>	
FDF 6.2 The concept of "Authority Having Jurisdiction" (AHJ) as found in NFPA 70 is the capacity of a civil authority. FDF recognizes DOE-FEMP as the AHJ on site, and will establish a sitewide electrical safety committee (6.1) as the mechanism by which a broad spectrum of subjects including, but not limited to charter development, programmatic issues, electrical safety guidance, regulatory requirements, corrective actions, work	06/18/99
<b>Action: Fernald-05/01/1996-I0002-0004-A</b>	
FDF 7.1 A Sitewide Electrical Safety Committee (see 6.1) will be established for the purpose of providing interpretations of the requirements, establishing safe electrical practices, ensuring consistent implementation of electrical requirements sitewide and as a method of resolving disputes regarding electrical matters.	06/07/99
<b>Action: Fernald-05/01/1996-I0002-0005-A</b>	
FDF 7.2 SPR 2-15, Specific Equipment Plans, will be revised to strengthen the approval authority regarding departures from energy isolation plans. This will be documented by an approved and revised SPR 2-15.	08/12/99
<b>Action: Fernald-05/01/1996-I0002-0006-A</b>	
FDF 7.3 The Safety Department will develop a lesson plan to provide training to planner/estimators, supervisors, qualified craft and contractor identified personnel regarding the selection and development of an Energy Isolation Plan (EIP) for safe electrical work activities. completion of this corrective action plan.	07/02/99
<b>Issue: Ineffective Tracking and Trending of Corrective Actions within FN and FDF Within FN and FDF, correct...</b>	
<b>Action: Fernald-05/01/1996-I0003-0001-A</b>	
DOE 2.3 DOE-FEMP FIP 7503 (Tracking and Trending) will be revised and implemented to proceduralize formal tracking and trending of FDF deficiencies.	02/11/99
<b>Action: Fernald-05/01/1996-I0003-0002-A</b>	
DOE 2.4 The DOE-FEMP self-assessment program will be incorporated into the Technical Management Plan, via Change Pages, until Revision 4 is distributed. DOE-FEMP self-assessments will be included on the DOE-FEMP Master Assessment Schedule beginning with FY 1999 self-assessments.	12/28/98
<b>Action: Fernald-05/01/1996-I0003-0003-A</b>	
FDF 2.1 The Site Integrated Assessment Schedule (SIAS) will be reviewed by the Project QA Team Coaches with appropriate project managers. They will ensure self-assessments are planned in areas of high priority work activities and based on areas of previously identified or potential areas of deficiencies. This will include a review of team members assigned to perform self-assessments. The SIAS will be updated to	02/08/99
<b>Action: Fernald-05/01/1996-I0003-0004-A</b>	
FDF 2.2 The procedure on self-assessments will be reviewed to assure clarity of the process and to identify possible process improvements. The procedure will be changed to add Senior Management to distribution lists for completed self-assessments. A conscious evaluation on accountability issues will be included. This item will be closed based on the documentation of the review and submittal of any proposed changes.	03/31/99

Description	Completion Date
<b>Action: Fernald-05/01/1996-I0003-0005-A</b>	
FDF 2.3 FDF will develop a new procedure on corrective actions which will enhance the consistency of the corrective actions and highlight the importance of a systematic approach to the documentation, implementation and verification of corrective actions. This item will be closed based upon the submittal of the new corrective action procedure. Training to this procedure will be implemented based on the implementation plan	06/17/99
<b>Action: Fernald-05/01/1996-I0003-0006-A</b>	
FDF 2.4 A briefing will be prepared by the Quality Assurance/Audits & Verification Section on self-assessments. This briefing will include a review of the site procedure on self-assessments and will clarify responsibilities and effective use of assessments. Draft examples of comprehensive self-assessments which address performance of work, adherence to requirements, and adequacy of the work process will also be included in the	03/31/99
<b>Action: Fernald-05/01/1996-I0003-0008-A</b>	
FDF 3.1 OP-1020 will be revised to require Project Coaches/Division Coordinators to select lessons learned bulletins for communication through department required reading programs, safety meetings and briefings, and to document that personnel received the information.	03/04/99
<b>Action: Fernald-05/01/1996-I0003-0009-A</b>	
FDF 3.2 OP-1020 will be revised to require Project Coaches/Division Coordinators to select lessons learned bulletins for communication through department required reading programs, safety meetings and briefings, and to document that personnel received the information.	03/03/99
<b>Action: Fernald-05/01/1996-I0003-0010-A</b>	
FDF 3.3 An annual assessment of the Fluor Daniel Fernald Lessons Learned program will be conducted to determine the effectiveness of information dissemination. The assessment will focus on lessons learned dissemination and utilization at the work group level. Division coordinators will designate a point of contact for dissemination of lessons learned information to subcontractor personnel.	03/04/99
<b>Issue: Maintenance Work Control Weaknesses Within FDF - The conduct of work as relates to maintenance has p...</b>	
<b>Action: Fernald-05/01/1996-I0001-0001-A</b>	
FDF 4.1 A Management Briefing will be conducted on the two-phased ISM self-assessment. Successful completion of this corrective action will be documented by briefing/meeting attendance rosters.	12/03/98
<b>Action: Fernald-05/01/1996-I0001-0002-A</b>	
FDF 4.2 A Management Briefing will be conducted on the two-phased ISM self-assessment.	02/05/99
<b>Action: Fernald-05/01/1996-I0001-0003-A</b>	
FDF 4.3 An ISM Champion will be identified from the leadership team. Closure will be based upon proper documentation identifying the FDF ISM Champion.	12/01/98
<b>Action: Fernald-05/01/1996-I0001-0004-A</b>	
FDF 4.4 An ISM Coordinator will be identified. Closure will be based upon proper documentation identifying the FDF ISM Coordinator.	12/01/98

Description	Completion Date
<b>Action: Fernald-05/01/1996-I0001-0005-A</b>	
FDF 4.5 The FEMP bulletin "Let's Talk" will be used for a minimum of three months to provide information and discussion points during Safety Work Group Meetings. Closure of this commitment will be based upon a review of copies of the bulleting "Let's Talk" with ISM information and selected Work Group Safety Meeting agendas and attendance lists.	03/29/99
<b>Action: Fernald-05/01/1996-I0001-0006-A</b>	
FDF 4.6 ISM information will be periodically published in the FEMP "News to Use" for a minimum of three months. Closure of this commitment will be based upon a review of copies of the FEMP "News to Use" containing ISM information.	03/30/99
<b>Action: Fernald-05/01/1996-I0001-0007-A</b>	
FDF 4.7 A Readiness Assessment of the Enriched Restricted Material for the Nuclear Materials Disposition Project will be completed.	01/13/99
<b>Action: Fernald-05/01/1996-I0001-0008-A</b>	
FDF 4.8 An independent assessment of Enriched Restricted Material for the Nuclear Materials Disposition Project will be completed. This existing commitment is currently being tracked in CTS (FY98-0093).	03/29/99
<b>Action: Fernald-05/01/1996-I0001-0009-A</b>	
FDF 4.9 A construction subcontractor baseline flow diagram will be developed and used to formalize the communication of information from Construction Management to Training support organization.	05/25/99
<b>Action: Fernald-05/01/1996-I0001-0010-A</b>	
FDF 4.10 A construction subcontractor baseline flow diagram will be developed and used to formalize the communication of information from Construction Management to Training support organization.	06/11/99
<b>Action: Fernald-05/01/1996-I0001-0011-A</b>	
FDF 4.11 Improvements will be developed and implemented to site entrance and exiting procedures for construction subcontractor personnel who terminate from one construction subcontractor and go to work for another.	02/04/99
<b>Action: Fernald-05/01/1996-I0001-0012-A</b>	
FDF 4.12 A formal process to improve communication of site requirements to subcontractor management and workers will be developed and implemented.	03/29/99
<b>Action: Fernald-05/01/1996-I0001-0013-A</b>	
FDF 5.1 The issue of "blind" 1-1/4 inch penetrations will be addressed by the SES committee. This committee will review the National Electrical Code (NEC) paragraph 300.4 and determine if the NEC recommendations are adequate for penetrations at the FEMP.	05/26/99
<b>Action: Fernald-05/01/1996-I0001-0014-A</b>	
FDF 5.2 The Penetration Permitting Surveillance 98-1178 identified similar weaknesses in the Penetration Permitting Program. From the Penetration Permitting Surveillance, four internal FDF Nonconformance Reports were generated: FY99-0148 FY99-0149, FY99-0150 and FY99-0151. This corrective action will address and respond to the four nonconformance reports from this surveillance.	05/26/99

Description	Completion Date
<b>Action: Fernald-05/01/1996-I0001-0015-A</b>	
FDF 10.1 FY1999 Performance Planning and Appraisals (PPAs) for Maintenance Team Leaders and Team Coaches will be strengthened to identify specific responsibilities. Previous performance appraisals were more general in nature and did not clearly identify management's expectations for performance.	04/09/99
<b>Action: Fernald-05/01/1996-I0001-0016-A</b>	
FDF 10.2 The Maintenance Coach will prepare lists of routine responsibilities for Team Coaches. The Maintenance Coach will review these responsibilities with the Team Coaches and the lists will be signed by both parties. Team Coaches will then develop routine responsibility lists for Team Leaders in their areas. The purpose of these lists is to ensure Maintenance management is fully aware of their specific duties and	02/24/99
<b>Action: Fernald-05/01/1996-I0001-0017-A</b>	
FDF 10.3 Maintenance personnel will continue to utilize the Maintenance internal self-assessment program to evaluate implementation of maintenance programs. A meeting will be held with selected Maintenance personnel to discuss the self-assessment program and determine ways to improve this program. A focal point of this discussion will be enhancing self-assessments of field activities.	06/07/99
<b>Action: Fernald-05/01/1996-I0001-0018-A</b>	
FDF 10.4 To assist in efforts to ensure the self-assessment program is effective, the Independent Verification group will perform an initial surveillance of the Maintenance self-assessment program in November 1998 and a follow-up surveillance in July 1999.	08/10/99
<b>Action: Fernald-05/01/1996-I0001-0019-A</b>	
FDF 10.5 Past QA assessments, surveillances and audits on Maintenance work processes will be evaluated to ensure adequate coverage of work processes.	04/09/99
<b>Action: Fernald-05/01/1996-I0001-0020-A</b>	
FDF 10.6 A more aggressive schedule of assessments in the Maintenance area will be prepared for the first and second quarters of FY 1999. In the past an average of six assessments have been scheduled per quarter. For each of the first two quarters of FY 1999, ten assessments will be scheduled in the Maintenance area. Measuring and Test Equipment and Automated Work Package are two areas that will receive increased	06/22/99
<b>Action: Fernald-05/01/1996-I0001-0021-A</b>	
FDF 10.7 The Site Services Coach will hold monthly meetings with selected Maintenance staff for a period of six months (November 1998 - April 1999). These meetings will provide Maintenance personnel with the opportunity to discuss issues of concern with the Site Services Coach and provide the Site Services Coach with the opportunity to learn about issues personnel are facing and assist in developing solutions. Following the	05/26/99
<b>Action: Fernald-05/01/1996-I0001-0022-A</b>	
FDF 10.8 The Site Services Coach will require Team Coaches to complete a "Management Work Package Walkthrough" on a weekly basis for a period of six months (November 1998 - April 1999). These walkthroughs are designed to ensure that Team Coaches are in the field observing work being performed. By observing performance of work orders or routine project work on a weekly basis, Team Coaches will become more	06/23/99
<b>Issue: Unclear Roles, Responsibilities and Authorities - Weaknesses exist in the definition of roles, respo...</b>	

Description	Completion Date
<b>Action: Fernald-05/01/1996-I0004-0001-A</b>	
DOE 2.1 The TMP will be revised to incorporate changes to reflect current practices. FIPS will be annotated in the TMP to reflect revised procedures for reviewing, approving and closing FDF corrective actions, transmitting findings, and tracking and trending. Revisions to FIP 7206 (DOE-FEMP Contractor Monitoring) will identify those individuals responsible for ensuring that all corrective actions are properly closed. TMP Change	04/02/99
<b>Site: Hanford Site CSO - EM - Assistant Secretary for Environmental Management</b>	
<b>Report: Independent Oversight Evaluation of Emergency Management Programs Across the DOE Complex (Volume 2: ... - 08/01/1998</b>	
<b>Issue: Hanford Emergency Management Program Weaknesses - Weaknesses in the Hanford emergency management pro...</b>	
<b>Action: HS-08/01/1998-I0001-0001-A</b>	
The initial reconfiguration of the EOC, including installation of a computer-based information management system (WebEOC) was completed on 12/01/1998.	03/30/99
<b>Action: HS-08/01/1998-I0001-0002-A</b>	
Streamline the news release review process by using the Site Management Team (SMT) Emergency Preparedness Advisor as the single point-of-contact.	03/30/99
<b>Action: HS-08/01/1998-I0001-0003-A</b>	
In addition to the workstation in the Policy Team area, create a second workstation for the RL Emergency Manager in the Site Management Team (SMT) area.	03/30/99
<b>Action: HS-08/01/1998-I0001-0004-A</b>	
Project L-293 called for the removal of existing walls in between the Policy Team and the Site Management Team (SMT).	03/30/99
<b>Action: HS-08/01/1998-I0001-0005-A</b>	
Improve Hanford Site plans and procedures at both the Site and facility level.	03/30/99
<b>Action: HS-08/01/1998-I0001-0006-A</b>	
Issue HNF-3669, "Emergency Response Procedure Guidance".	03/30/99
<b>Action: HS-08/01/1998-I0001-0007-A</b>	
Revise DOE-0223, RLEP 1.1, "Hanford Incident Command System and Event Recognition and Classification".	03/30/99
<b>Action: HS-08/01/1998-I0001-0008-A</b>	
Redesign the Tank Waste Remediation System (TWRS) emergency preparedness program to address deficiencies noted by the DOE program office.	03/30/99
<b>Action: HS-08/01/1998-I0001-0009-A</b>	
Update equipment in the EOC.	03/30/99
<b>Action: HS-08/01/1998-I0001-0010-A</b>	
Issue the Emergency Preparedness Training Improvement Plan.	03/30/99
<b>Action: HS-08/01/1998-I0001-0011-A</b>	
Revise the process for issuing news releases.	03/30/99
<b>Action: HS-08/01/1998-I0001-0012-A</b>	
Provide training to applicable EOC Team members for the revised process.	03/30/99
<b>Action: HS-08/01/1998-I0001-0013-A</b>	

Description	Completion Date
Recruit additional personnel to support the JIC. <b>Action: HS-08/01/1998-I0001-0014-A</b>	03/30/99
Strengthen the emergency public information system. <b>Report: Independent Oversight Evaluation of the Environment, Safety and Health Programs at the Hanford Site... - 04/01/1996</b> <b>Issue: Deficiencies in DOE and FDH Implementation of Authorization Basis System - Authorization basis docum...</b> <b>Action: HS-04/01/1996-I0004-0001-A</b>	03/30/99
Update Nuclear Facility Authorization Basis (AB) documents. <b>Action: HS-04/01/1996-I0004-0002-A</b>	03/31/99
Define Safety Documentation review process. <b>Action: HS-04/01/1996-I0004-0003-A</b>	03/31/99
Develop Nuclear Safety Management Manual. <b>Action: HS-04/01/1996-I0004-0004-A</b>	03/31/99
Provide independent oversight of the USQ process in active nuclear facilities. <b>Action: HS-04/01/1996-I0004-0005-A</b>	03/31/99
Revise FDH procedures specifying requirements for SAR and TSR content. <b>Issue: Deficiencies in DOE and FDH Implementation of Requirements Management System - The absence of clear ...</b> <b>Action: HS-04/01/1996-I0003-0001-A</b>	03/31/99
Develop procedure that defines process for evaluating new or revised DOE Directives. <b>Action: HS-04/01/1996-I0003-0002-A</b>	01/27/99
Define RL's S/RID process and training for new hires. <b>Action: HS-04/01/1996-I0003-0003-A</b>	01/27/99
Ensure that applicable requirements for providing adequate protection are captured. <b>Action: HS-04/01/1996-I0003-0004-A</b>	01/27/99
Provide independent reviews of the facility/activity. <b>Issue: Deficiencies in RL and FDH Programs to Monitor and Assess Safety Management Performance - An integra...</b> <b>Action: HS-04/01/1996-I0006-0001-A</b>	01/27/99
Hire Facility Representatives to monitor, assess, and verify the effectiveness of field activities. <b>Action: HS-04/01/1996-I0006-0002-A</b>	03/30/99
Integrate RL oversight activities. <b>Action: HS-04/01/1996-I0006-0003-A</b>	03/30/99
Identify RL management presence in the field. <b>Action: HS-04/01/1996-I0006-0004-A</b>	03/30/99
Create a Performance Indicator process to review Occurrence Reporting data. <b>Action: HS-04/01/1996-I0006-0005-A</b>	03/30/99
Perform self-assessments and independent assessments. <b>Action: HS-04/01/1996-I0006-0006-A</b>	03/30/99
Perform independent assessments across the complex. <b>Issue: Lack of Effective RL Oversight of Occupational Health Program - RL management of the Hanford Site oc...</b>	03/30/99

Description	Completion Date
<b>Action: HS-04/01/1996-I0001-0001-A</b> Issue new contract for occupational medical services.	01/14/99
<b>Action: HS-04/01/1996-I0001-0002-A</b> Complete Employee Job Task Analysis (EJTA).	01/14/99
<b>Action: HS-04/01/1996-I0001-0003-A</b> Require the contractor to achieve accreditation by the Joint Commission on Accreditation of Health Care Organizations (JCAHA).	01/14/99
<b>Issue: Weaknesses in RL and FDH Implementation of Corrective Action Management Program -The identification ...</b>	
<b>Action: HS-04/01/1996-I0007-0002-A</b> Issue letter upon receipt of RL Letter of Direction to PHMC providing instruction as directed by RL for responsibilities for closing RL items.	02/26/99
<b>Action: HS-04/01/1996-I0007-0004-A</b> Revise HNF-PRO-052, "Corrective Action Management" and HNF-PRO-653, "Deficiency Tracking System" procedures.	07/12/99
<b>Action: HS-04/01/1996-I0007-0006-A</b> Include changes to the Risk Ranking Value (RRV) Assessment process and associated Table in the revision to HNF-PRO-052, "Corrective Action Management".	07/12/99
<b>Issue: Weaknesses in RL and FDH Procedures Quality, Validation and Adherence - Both RL and contractor Westi...</b>	
<b>Action: HS-04/01/1996-I0002-0001-A</b> Align procedures with the structure of the PHMC.	03/16/99
<b>Action: HS-04/01/1996-I0002-0002-A</b> Convert WHC procedures to PHMC procedures.	03/16/99
<b>Action: HS-04/01/1996-I0002-0003-A</b> Establish expectations and criteria for communication of mandatory procedure compliance.	03/16/99
<b>Action: HS-04/01/1996-I0002-0004-A</b> Establish PHMC CONOPS metrics to monitor procedural compliance.	03/16/99
<b>Action: HS-04/01/1996-I0002-0005-A</b> Provide monitoring of ES&H processes, work package quality, and procedural compliance issues.	03/16/99
<b>Issue: Weaknesses in RL and FDH Radiological Work Planning Processes - Weaknesses exist in Westinghouse Han...</b>	
<b>Action: HS-04/01/1996-I0005-0001-A</b> Develop radiological work planning standard to PHMC major subcontractors.	03/30/99
<b>Action: HS-04/01/1996-I0005-0002-A</b> Develop implementation plan for adopting elements of radiological work planning from the site standard.	03/30/99
<b>Action: HS-04/01/1996-I0005-0003-A</b> Perform a self-assessment of enhanced radiological work planning process.	03/30/99
<b>Action: HS-04/01/1996-I0005-0004-A</b> Establish site standards for specialized radiological worker training (SRWT).	03/30/99

Description	Completion Date
<b>Action: HS-04/01/1996-I0005-0005-A</b>	
Revise procedure HNF-IP-1043.	03/30/99
<b>Action: HS-04/01/1996-I0005-0006-A</b>	
Validate completion of the RCIP milestones.	03/30/99
<b>Action: HS-04/01/1996-I0005-0007-A</b>	
Validate due dates/action items are complete.	03/30/99
<b>Site: Idaho National Engineering &amp; Environmental Laboratory CSO - EM - Assistant Secretary for Environmental Management</b>	
<b>Report: Independent Oversight Evaluation of Emergency Management Programs Across the DOE Complex - 08/01/1998</b>	
<b>Issue: Weaknesses in the INEEL emergency management include: some aspects of plans, procedures and training...</b>	
<b>Action: INEEL-08/01/1998-I0001-0001-A</b>	
Improve the internal EOC procedures to establish a formal, consistent method of transmitting information concerning protective action recommendations between parties in the EOC. Establish a formal method of transmitting information to the Emergency Director on a routine basis regarding the need for initiation or change of protective actions for both the site workers and the public if required.	
<b>Action: INEEL-08/01/1998-I0001-0002-A</b>	
Develop a department level MCP that ensures control of the RSAC inputs for hazards assessments and the subsequent inputting to the NOAA INEEL VIZ computer program.	
<b>Action: INEEL-08/01/1998-I0001-0003-A</b>	
Develop a process to better integrate NOAA and Hazard Assessments to allow for current conditions to be evaluated during the course of accidents.	
<b>Action: INEEL-08/01/1998-I0001-0004-A</b>	
Transportation hazard assessment EALs will be developed for each facility associated with the materials that are involved.	
<b>Action: INEEL-08/01/1998-I0001-0005-A</b>	
Include additional training on EALs for transportation in the annual requalification.	
<b>Action: INEEL-08/01/1998-I0001-0006-A</b>	
Correct INTEC EALs to be consistent with the rest of the INEEL facility EALs. Include transportation as appropriate.	
<b>Action: INEEL-08/01/1998-I0001-0007-A</b>	
The responsibility for the performance of consequence assessment has been changed to personnel who are extremely familiar with the process required.	
<b>Action: INEEL-08/01/1998-I0001-0008-A</b>	
Develop a method to ensure INEEL classification process meets the DOE requirement.	
<b>Action: INEEL-08/01/1998-I0001-0009-A</b>	
Determine which Public Information Center personnel have not met annual training and requalification requirements, and set up a training schedule with mandatory completion dates. Create and maintain a training records base within the Public Affairs branch.	
<b>Action: INEEL-08/01/1998-I0001-0010-A</b>	
Ensure Fire department personnel receive training on DOT emergency response guidance.	

**Description****Completion Date****Action: INEEL-08/01/1998-I0001-0011-A**

Review emergency plan for inconsistency with the procedures and correct as needed during next scheduled emergency plan revision.

**Action: INEEL-08/01/1998-I0001-0012-A**

Complete training of PIC members for Fort St. Vrain emergencies.

**Action: INEEL-08/01/1998-I0001-0013-A**

The process for dealing with evidence from an accident will be reviewed and modified as required.

**Report: Independent Oversight Evaluation of the Environment, Safety and Health Programs at the Idaho Nationa... - 10/01/1995**

**Issue: Compliance with Standards Weaknesses - ID and LMITCO have not ensured that managers, supervisors, an...**

**Action: INEEL-10/01/1995-I0003-0001-A**

Complete training on the consolidated Lockheed Martin Idaho functional area manuals as necessary to support field implementation and transition from previous contractor procedures to consolidated Lockheed Martin Idaho procedures.

**Action: INEEL-10/01/1995-I0003-0002-A**

Train employees on work processes and performance expectations for procedural compliance.

**Action: INEEL-10/01/1995-I0003-0005-A**

Revise MCP-2985, Operations Procedures, to clearly specify strict procedure use and compliance requirements.

**Issue: ID and LMITCO Assessment Programs Weaknesses - Weaknesses exist in ID and LMITCO ES&H assessment pro...**

**Action: INEEL-10/01/1995-I0004-0001-A**

Conduct a review the ID Quality Assurance Program against the requirements of DOE Order 5700.6C.

**Action: INEEL-10/01/1995-I0004-0002-A**

Publish VPP project management plan and VPP guidance document. Documents will be periodically reinforced through qtr. SAM training. Develop S&H Technical/Self Assessment Schedule. Incorporate Technical/Self Assessments in the S&H Business Plan to create a formalized S&H Branch Assessment Program/Plan. Identify the requirements documents, contractual commitments and LMITCO procedure's associated

**Action: INEEL-10/01/1995-I0004-0003-A**

Current safety and oversight staffing levels and staff expertise will be evaluated to assure appropriate resource allocation to programs based on safety and health risks.  
(Superceded by STD-101 and CO2 C/As)

**Action: INEEL-10/01/1995-I0004-0004-A**

The depth and breadth of safety oversight will be assessed across the company for both programs and projects. The issues identified in safety oversight will be resolved, if needed. (Superceded by STD-101 and CO2 C/As)

**Action: INEEL-10/01/1995-I0004-0005-A**

The safety inspection and oversight processes will be reviewed to ensure they address the changing work conditions. The issues identified in the review of monitoring changing work conditions will be resolved, as needed. (Superceded by STD-101 and CO2 C/As)

**Description****Completion Date****Action: INEEL-10/01/1995-I0004-0006-A**

Initiate routine status reporting on ID open issues.

**Action: INEEL-10/01/1995-I0004-0007-A**

Initiate periodic accountability meetings with Assistant Managers.

**Action: INEEL-10/01/1995-I0004-0008-A**

Add to MCP-8 requirement for all deficiencies identified in assessments to be entered in ICARE.

**Action: INEEL-10/01/1995-I0004-0009-A**

Initiate routine DM meeting with the LMITCO Senior Management on SORB issues.

**Action: INEEL-10/01/1995-I0004-0010-A**

Incorporate issue management as a critical element for Director's and A/M's performance agreements.

**Action: INEEL-10/01/1995-I0004-0011-A**

Review existing issues for inclusion into IMED.

**Action: INEEL-10/01/1995-I0004-0015-A**

Establish an independent review process for work orders determined to be highly hazardous or complex.

**Action: INEEL-10/01/1995-I0004-0016-A**

Establish the Independent Assessment and Trending Directorate.

**Action: INEEL-10/01/1995-I0004-0017-A**

Charter and establish Corrective Action Review Boards (CARB) at INEEL facilities and areas.

**Action: INEEL-10/01/1995-I0004-0018-A**

Establish the Site Operations Review Board.

**Action: INEEL-10/01/1995-I0004-0019-A**

Review the results of the LMITCO issues management process for the past two Type A accident reports. Report the results to the SORB.

**Action: INEEL-10/01/1995-I0004-0020-A**

Review the results of the LMITCO issues management process for the 1998 DOE and ID assessment/surveillance reports of work control activities, corrective action and procurement. Report the results to the SORB.

**Action: INEEL-10/01/1995-I0004-0021-A**

Revise the LMITCO issues management procedures to incorporate the improvements of Subsection 3.19.3 of the LMITCO response to the Investigation Report and Section 12.19.3.2 of the CAIP report.

**Action: INEEL-10/01/1995-I0004-0022-A**

Establish and implement the Site Operations Self-Assessment Program at all INEEL areas.

**Issue: LMITCO Procedure Weaknesses - LMITCO has not aggressively consolidated program documentation and pro...**

Description	Completion Date
<b>Action: INEEL-10/01/1995-I0007-0001-A</b>	
Consolidate the company level requirements and procedures of previous contractors into a set of Lockheed Idaho Manuals that cover all functional areas, and delete the superseded documents. A procedure covering the Integrated Requirements management (IRM) process will be issued. Complete training on the consolidated Lockheed Martin Idaho functional area manuals as necessary to support field	
<b>Action: INEEL-10/01/1995-I0007-0002-A</b>	
Consolidate the company level requirements and procedures of previous contractors into a set of Lockheed Idaho manuals that cover all functional areas, and delete the superseded documents.	
<b>Action: INEEL-10/01/1995-I0007-0003-A</b>	
Implement Rad Con Information on Management System (RCIMS) to correct process concerns identified in this issue.	
<b>Action: INEEL-10/01/1995-I0007-0004-A</b>	
Implement RadCon Information Management system (RCIMS) to correct process concerns identified in this issue. Working with DOE-ID, resolve the disparity between INEL RCM and the DOE RCM associated with High Rad Areas and 30 cm criteria.	
Develop a documented supporting technical basis, analysis, and justification.	
<b>Issue: LMITCO Safety-Related System Modifications Weaknesses - LMITCO has not ensured effective management ...</b>	
<b>Action: INEEL-10/01/1995-I0002-0001-A</b>	
Identify problems with the RMSS backup dampers and the ATR H&V system that has prevented completion of the RMSS backup damper acceptance testing, and document. Perform repairs to backup dampers and ATR H&V system identified in Milestone. Complete RMSS backup damper acceptance testing via DOP-0.17.	
<b>Action: INEEL-10/01/1995-I0002-0002-A</b>	
Brief personnel on the need for formal communications during review and approval process for safety documents.	
<b>Action: INEEL-10/01/1995-I0002-0003-A</b>	
Upgrade the ROVER safety analyses to support deactivation activities. For reference, see DOE-ID letter OPE-CPP-96-099 "Approval of Rover Safety documents for Deactivation Project" of 6/12/96.	
<b>Action: INEEL-10/01/1995-I0002-0004-A</b>	
Establish criteria that triggers work site inspection/reinspection to identify S & H hazards introduced by changing conditions. Add criteria to MCP-2727 "Performing Safety Renews"	
<b>Action: INEEL-10/01/1995-I0002-0006-A</b>	
Site Area Directors will train facility managers on procedures pertaining to system and equipment turnover.	04/30/99
<b>Action: INEEL-10/01/1995-I0002-0007-A</b>	
Revised MCP-2811, "Engineering and change Control" and the Project Management Guide to ensure that the design review process requires reviewers to verify that the original design inputs, design modifications, and final design meet applicable codes and worker protection requirements.	02/28/99

**Description**

**Completion Date**

**Action: INEEL-10/01/1995-I0002-0008-A**

Complete design and installation of ATR lower FIS seismic supports.

**Action: INEEL-10/01/1995-I0002-0010-A**

Submit and receive DOE approval of the new ATR SAR.

**Action: INEEL-10/01/1995-I0002-0015-A**

Draft and issue letter to LMITCO management requesting briefing on safety system walkdowns performed at TRA and other facilities in response to EH comprehensive inspection.

**Action: INEEL-10/01/1995-I0002-0016-A**

Schedule assessment of contractor actions to improve configuration management processes at TRA. Note: TRA assessment to be performed in conjunction with the site-wide assessment scheduled for March 97.

**Action: INEEL-10/01/1995-I0002-0017-A**

Revise and issue the ESH&QA Oversight manual to define DOE-ID ESH&QA oversight processes.

**Issue: LMITCO Training Program Weaknesses - LMITCO has not completed a major transition associated with the...**

**Action: INEEL-10/01/1995-I0006-0001-A**

Establish a Site document Committee and Site Training Committee.

**Action: INEEL-10/01/1995-I0006-0002-A**

The LMITCO Train system will be used to consolidate LMITCO safety training records. The system will permit timely verification of data for each LMITCO employee.

**Action: INEEL-10/01/1995-I0006-0003-A**

Reorganize the Training Department to include an Operations Training Group responsible for training on the Conduct of Operations and the Integrated Site Maintenance Manual.

**Action: INEEL-10/01/1995-I0006-0004-A**

Establish and implement a "Training Improvement Plan" that integrates the facility specific progress to a site wide consolidated program and establishes consistent approaches to new facility specific training across the INEEL.

**Action: INEEL-10/01/1995-I0006-0005-A**

Develop formal certification program for LMITCO craft employees.

**Issue: Unclear Roles, Responsibilities and Authorities for Subcontractors - ID and LMITCO have not clearly ...**

**Action: INEEL-10/01/1995-I0001-0001-A**

Revise construction management directives to provide criteria regarding when the Hazard Review for Special Conditions to be updated when unanticipated risks are identified during construction work.

**Action: INEEL-10/01/1995-I0001-0002-A**

Implement Subcontractor Pre-Bid Safety Review Program.

**Action: INEEL-10/01/1995-I0001-0003-A**

Implement requirements for surveillance reviews to be proceduralized in PMCM manual.

Description	Completion Date
<b>Action: INEEL-10/01/1995-I0001-0004-A</b>	
The LMITCO President issued a letter to all members of LMITCO management reiterating that line management is responsible for safety.	
<b>Action: INEEL-10/01/1995-I0001-0005-A</b>	
Line management's responsibilities and accountability for safety and health will be clearly documented and communicated.	
<b>Action: INEEL-10/01/1995-I0001-0006-A</b>	
Implementation of the Voluntary Protection Program (VPP) line manager training will be accelerated.	
<b>Action: INEEL-10/01/1995-I0001-0007-A</b>	
Clearly establish subcontractor roles and responsibilities associated with management and oversight of ES&H through PRD-1001, PRD-1002, PRD-1003, PRD-1004, PRD-1006, PRD-1007, and Form 540.10.	09/30/96
<b>Action: INEEL-10/01/1995-I0001-0008-A</b>	
Develop training that can be offered by supervisors to employees within formal work control processes. This will include roles and responsibilities for lead men, duty of employee to understand job and safety requirements in new areas, useful and consistent pre-job briefings, need for following logical steps in the process and which steps may be done in various order, need for signature verification, and what the signature implies, and	
<b>Action: INEEL-10/01/1995-I0001-0009-A</b>	
The requirements for meeting minimum standards for required training will be included in all applicable subcontracts.	
<b>Action: INEEL-10/01/1995-I0001-0010-A</b>	
A review of all contracts is in progress. The review will determine whether all existing contracts adequately define an acceptable standard of safety, and will resolve any issues.	
<b>Action: INEEL-10/01/1995-I0001-0011-A</b>	
Implement the supplier and/or subcontractor rating system.	
<b>Action: INEEL-10/01/1995-I0001-0012-A</b>	
Develop and implement a pre-qualification requirement based on safety indices for all construction subcontracts.	
<b>Action: INEEL-10/01/1995-I0001-0013-A</b>	
In order to clearly communicate roles and responsibilities of the matrix personnel from the matrix managers and line management i.e., facilities managers, program managers, or line management technical direction for safety. The matrix desk reference manual will be updated/finalized and made available to all matrix personnel which clearly delineates roles and responsibilities.	
<b>Action: INEEL-10/01/1995-I0001-0014-A</b>	
Implement Subcontractor Pre-Bid Safety Review Program. (See Action A2600)	
<b>Action: INEEL-10/01/1995-I0001-0015-A</b>	
Clearly define the roles and responsibilities of the recently created Site Area Director positions, making them responsible to ensure that the work control process is effective.	

Description

Completion Date

**Report: Type A Accident Investigation Board Report August 13, 1996 Electrical Shock at TRA-609, Test Reactor... - 09/01/1996**

**Issue: JON-01 - LMITCO needs to provide increased assurance that exposed personnel are informed of hazards....**

**Action: INEEL-09/01/1996-I0001-0001-A**

Complete electrical safety training for "higher than normal risk" employees. Develop and issue procedures for use of JSAs and SWPs.

**Action: INEEL-09/01/1996-I0001-0002-A**

Revise the Job Requirements Checklist (JRC) to include criteria regarding when to include emergency preparedness input, reviews, and approval; standardize the process for identifying potential and credible hazards for the job; and enable the JRC to provide general directions for hazard mitigation requirements.

**Action: INEEL-09/01/1996-I0001-0003-A**

Develop a site-wide standardized job walkdown checklist

**Action: INEEL-09/01/1996-I0001-0004-A**

Adequately guide planners to enhance their understanding of work planning activities and to standardize the approach for developing consistent work orders.

**Action: INEEL-09/01/1996-I0001-0005-A**

In the Integrated Site Maintenance Manual, standardize LMITCO maintenance processes to include using only members from a core group of facility specific trained planners to perform final planning activities for all written maintenance work orders.

**Action: INEEL-09/01/1996-I0001-0006-A**

With assistance from ESH&QA, conduct a review of the ESH&Q training program to ensure that training on existing hazards is included.

**Action: INEEL-09/01/1996-I0001-0007-A**

Develop and provide training on any additional hazards identified from the review of the ESH&QA training program.

**Action: INEEL-09/01/1996-I0001-0008-A**

Incorporate any additional hazards identified in the review into the ESH&QA training program.

**Action: INEEL-09/01/1996-I0001-0009-A**

Conduct a review of the INEEL site access training to ensure that all required training on facility specific hazards is included.

**Issue: JON-02 - LMITCO needs to assure that those involved in work package planning, approval, and executio...**

**Action: INEEL-09/01/1996-I0002-0001-A**

A work standard and expectation policy is being prepared. Supervisors will ensure that each employee understands the policy. Each employee will be accountable for his or her operational and safety performance. Supervisors will be trained and held accountable for supporting employees in the acceptance of this responsibility. Employees will receive training prior to initiating work in unfamiliar facilities. Supplemental job specific training

**Action: INEEL-09/01/1996-I0002-0002-A**

Develop and implement modular INEEL and facility-specific training (including testing) for planners, foremen, crafts, and supporting ES&H personnel on applicable aspects of the Integrated Site maintenance Manual. This training will cover how to access and use the lessons learned data, perform pre-job briefings and post job reviews as well as, how to identify, mitigate, and control maintenance work hazards and plan work orders using ISM

**Description****Completion Date****Action: INEEL-09/01/1996-I0002-0003-A**

Implement the Integrated Site Maintenance Manual.

**Action: INEEL-09/01/1996-I0002-0004-A**

A formal qualification program for maintenance planners will be completed and receipt by all planners validated. (Superceded by CO2 CAIP)

**Issue: JON-03 - LITCO needs to clarify site expectations for zero energy verifications. The formal requirem...**

**Action: INEEL-09/01/1996-I0003-0001-A**

MCP-1059, Lockout/Tagout will be revised to address zero energy verification.

**Action: INEEL-09/01/1996-I0003-0002-A**

Revise MCP-585 to differentiate between use of fire system impairment severest positive lockout per MCP-1059.

**Action: INEEL-09/01/1996-I0003-0003-A**

Develop and implement modular INEEL and facility-specific training (including testing) for planners, foremen, crafts, and supporting ES&H personnel on applicable aspects of the Integrated Site maintenance Manual. This training will cover how to access and use the lessons learned data, perform pre-job briefings and post job reviews as well as, how to identify, mitigate, and control maintenance work hazards and plan work orders using ISM

**Action: INEEL-09/01/1996-I0003-0004-A**

Implement the Integrated Site Maintenance Manual.

**Issue: JON-04 - LITCO needs to clearly define expectations with regard to "skill of the craft" in both work...**

**Action: INEEL-09/01/1996-I0004-0001-A**

Develop and implement modular INEEL and facility-specific training (including testing) for planners, foremen, crafts, and supporting ES&H personnel on applicable aspects of the Integrated Site maintenance Manual. This training will cover how to access and use the lessons learned data, perform pre-job briefings and post job reviews as well as, how to identify, mitigate, and control maintenance work hazards and plan work orders using ISM

**Action: INEEL-09/01/1996-I0004-0002-A**

Implement the Integrated Site Maintenance Manual.

**Action: INEEL-09/01/1996-I0004-0003-A**

"Skill of the Craft" will be defined and the concept will be implemented in the EWP.  
(Superceded by CO2 CAIP)

**Action: INEEL-09/01/1996-I0004-0004-A**

A Craft Certification Program will be implemented.

**Issue: JON-05 - LITCO also needs to clearly identify site and job-related skills and knowledge that may be ...**

**Action: INEEL-09/01/1996-I0005-0001-A**

A Craft Certification Program will be implemented.

**Action: INEEL-09/01/1996-I0005-0002-A**

Develop and implement a mentoring program that will create a positive feedback process and reinforce workers roles and responsibilities.

**Action: INEEL-09/01/1996-I0005-0003-A**

**Description****Completion Date**

Develop and implement modular INEEL and facility-specific training (including testing) for planners, foremen, crafts, and supporting ES&H personnel on applicable aspects of the Integrated Site maintenance Manual. This training will cover how to access and use the lessons learned data, perform pre-job briefings and post job reviews as well as, how to identify, mitigate, and control maintenance work hazards and plan work orders using ISM

**Action: INEEL-09/01/1996-I0005-0004-A**

Implement the Integrated Site Maintenance Manual.

**Issue: JON-06 - LITCO needs to assure the risk-based compensatory requirements are defined and implemented ...**

**Action: INEEL-09/01/1996-I0006-0002-A**

A standardized site-wide work control system applying EWP principles will be completed and validated. (Superceded by C02 CAIP).

**Issue: JON-07 - LITCO needs to revise and amend their program control documentation to more clearly delineate...**

**Action: INEEL-09/01/1996-I0007-0001-A**

Implement the Integrated Site Maintenance Manual. Integrated Site Maintenance Manual developed, approved, and training completed. References in Integrated Site Maintenance Manual to MCP-2 and its associated Outage Request Form for electrical outages.

**Action: INEEL-09/01/1996-I0007-0002-A**

Clearly define the roles and responsibilities of the recently created Site Area Director positions, making them responsible to ensure that the work control process is effective.

**Action: INEEL-09/01/1996-I0007-0003-A**

A standardized site-wide work control system applying EWP principles will be completed and validated.

**Action: INEEL-09/01/1996-I0007-0004-A**

Implement the Integrated Site Maintenance Manual. Integrated Site Maintenance Manual developed, approved, and training completed. References in Integrated Site Maintenance Manual to MCP-2 and its associated Outage Request Form for electrical outages

**Action: INEEL-09/01/1996-I0007-0005-A**

Clearly define the roles and responsibilities of the recently created Site Area Director positions, making them responsible to ensure that the work control process is effective.

**Action: INEEL-09/01/1996-I0007-0006-A**

Implement and enforce a management training program to achieve a clear understanding of roles and responsibilities in conjunction with work orders and associated management systems. (See additional training action in 3.13.4.12).

**Action: INEEL-09/01/1996-I0007-0007-A**

A standardized site-wide work control system applying EWP principles will be completed and validated.

**Action: INEEL-09/01/1996-I0007-0008-A**

Implement and enforce a management training program to achieve a clear understanding of roles and responsibilities in conjunction with work orders and associated management systems. (See additional training action in 3.13.4.12).

**Description****Completion Date**

**Issue: JON-08 - LITCO needs to revise review and approval procedures to assure that one manager assumes pri...**

**Action: INEEL-09/01/1996-I0008-0002-A**

Implement the Integrated Site Maintenance Manual.

**Action: INEEL-09/01/1996-I0008-0003-A**

MCP-2798, Maintenance work control will be revised to clarify the ownership of work packages by maintenance managers.

**Issue: JON-09 - LITCO needs to assure that the level of management review and approval is commensurate wit...**

**Action: INEEL-09/01/1996-I0009-0001-A**

Implement the Integrated Site Maintenance Manual.

**Action: INEEL-09/01/1996-I0009-0003-A**

"A formal qualification program for maintenance planners will be completed by 04/30/98 and receipt by all planners validated by 09/30/98.

**Action: INEEL-09/01/1996-I0009-0004-A**

Establish an independent review process for work orders determined to be highly hazardous or complex.

**Issue: JON-10 - LITCO needs to increase management attention and emphasis on correcting identified deficien...**

**Action: INEEL-09/01/1996-I0010-0001-A**

Charter and establish Corrective Action Review Boards (CARB) at INEEL facilities and areas.

**Action: INEEL-09/01/1996-I0010-0002-A**

Establish the Site Operations Review Board.

**Action: INEEL-09/01/1996-I0010-0003-A**

Revise the LMITCO issues management procedures to incorporate the improvements of Subsection 3.19.3.2 of the LMITCO response to the Investigation Report and Section 12.19.3.2 of the CAIP report.

**Action: INEEL-09/01/1996-I0010-0004-A**

IMED will be phased into ICARE.

**Issue: JON-11 - ID needs to ensure that effective actions are identified, achievable milestones are agreed ...**

**Action: INEEL-09/01/1996-I0011-0001-A**

Implementation of an improved, more user-friendly Integrated Oversight Schedule and Database. Reinforcement of M&O contractor input (both line management and IPA) into the Oversight Schedule. Development of objective, "critical few" ESH&QA performance measures including operations, operational safety, environmental protection and quality assurance. Implementation of a better facilitated, real-time trending and analysis protocol

**Action: INEEL-09/01/1996-I0011-0002-A**

Initiate routine status reporting on ID open issues.

**Action: INEEL-09/01/1996-I0011-0003-A**

Initiate periodic accountability meetings with Assistant Managers.

**Action: INEEL-09/01/1996-I0011-0004-A**

Description	Completion Date
Initiate routine DM meeting with the LMITCO Senior Management on SORB issues.	
<b>Action: INEEL-09/01/1996-I0011-0005-A</b>	
Incorporate issue management as critical element for Director's and AM's performance agreements.	
<b>Action: INEEL-09/01/1996-I0011-0006-A</b>	
Review existing issues for inclusion into IMED.	
<b>Action: INEEL-09/01/1996-I0011-0007-A</b>	
Implement ID oversight requirement for contractor issue management.	
<b>Action: INEEL-09/01/1996-I0011-0008-A</b>	
Design an issue management process.	
<b>Issue: JON-12 - LITCO needs to place increased emphasis on compiling guidance for work controls, hazards ev...</b>	
<b>Action: INEEL-09/01/1996-I0012-0001-A</b>	
EWP will be implemented site-wide and validated. A procedure for use of SWPs and JSAs will be developed. Deferred to TRA CIP JON 3.6.	
<b>Action: INEEL-09/01/1996-I0012-0002-A</b>	
Implement the Integrated Site Maintenance Manual.	
<b>Report: Type A Accident Investigation Board Report of the July 28, 1998 Fatality and Multiple Injuries Resul... - 09/01/1998</b>	
<b>Issue: JON-01 - LMITCO needs to establish and implement a program that complies with and incorporates all a...</b>	
<b>Action: INEEL-09/01/1998-I0001-0001-A</b>	
Identify all applicable worker protection requirements for CO2 suppression systems.	
<b>Action: INEEL-09/01/1998-I0001-0002-A</b>	
Identify all applicable OSHA, NFPA, DOE worker protection requirements pertaining to other gaseous suppression systems	
<b>Action: INEEL-09/01/1998-I0001-0003-A</b>	
Identify worker protection requirements pertaining to other hazardous gaseous systems	
<b>Action: INEEL-09/01/1998-I0001-0004-A</b>	
Incorporate applicable worker protection requirements from steps 3.1.4.1, 3.1.4.2, and 3.1.4.3 into applicable ES&H manuals, procedures.	
<b>Action: INEEL-09/01/1998-I0001-0005-A</b>	
Identify functional area managers for all items listed in Subsection H.18 (List B) of the LMITCO Contract with ID	
<b>Action: INEEL-09/01/1998-I0001-0006-A</b>	
Incorporate applicable ES&H requirements contained in company ES&H documents and policies into the work planning and control process and provide implementation training to appropriate personnel	
<b>Issue: JON-02 - ID and LMITCO need to assure effective quality assurance practices are in place to independ...</b>	
<b>Action: INEEL-09/01/1998-I0002-0001-A</b>	
Conduct a review the ID Quality Assurance Program against the requirements of DOE Order 5700.6C	

**Description****Completion Date****Action: INEEL-09/01/1998-I0002-0002-A**

Schedule and perform ID assessment of INEEL design control process and implementation activities.

**Action: INEEL-09/01/1998-I0002-0004-A**

Develop and implement an independent oversight plan and schedule to show how the Quality Assurance criteria will be satisfied, taking into consideration the risk associated with the work.

**Action: INEEL-09/01/1998-I0002-0008-A**

Revise MCP-2811, "Engineering Change Control" and the Project Management Guide to ensure that the design review process requires reviewers to verify that the original design inputs, design modifications, and final design meet applicable codes and worker protection requirements.

**Action: INEEL-09/01/1998-I0002-0009-A**

Institutionalize the requirement to use vendor-trained personnel as necessary, along with facility Fire Protection Engineers and Quality to verify that system modifications are designed and installed according to requirements.

**Action: INEEL-09/01/1998-I0002-0010-A**

Revise MCP-2482, "Inspection for conformance," to require quality inspection involvement in fire suppression system installations and modifications.

**Action: INEEL-09/01/1998-I0002-0011-A**

Institutionalize the use of the existing feedback mechanism (ICARE) for communicating issues or concerns identified during installation, testing, operations, and maintenance.

**Issue: JON-03 - ID in its capacity as the "Authority Having Jurisdiction" with respect to fire protection, ...**

**Action: INEEL-09/01/1998-I0003-0001-A**

Direct that the INEEL contractor provides a list of existing special-hazard fire suppression systems at the INEEL. The contractor will also be required to transmit system drawings, calculation, and supporting documentation with their response.

**Action: INEEL-09/01/1998-I0003-0002-A**

Determine and provide the necessary training and staffing to support the roles of the ID AHJ.

**Action: INEEL-09/01/1998-I0003-0003-A**

Conduct review of identified existing special-hazard fire suppression systems at the INEEL. These will provide an additional level of rigor where personnel hazards may be associated with individual suppression systems.

08/30/99

**Issue: JON-04 - LMITCO needs to verify the qualifications of its fire protection design personnel, ensure t...**

**Action: INEEL-09/01/1998-I0004-0001-A**

Clearly define and document qualification requirements and criteria for personnel performing design and design review, test specification preparation, and test results acceptance activities.

**Action: INEEL-09/01/1998-I0004-0002-A**

Identify, obtain, or develop training materials required to complete initial and continuing qualifications training.

**Description****Completion Date****Action: INEEL-09/01/1998-I0004-0003-A**

Complete initial qualification training and establish continuing training process.

**Action: INEEL-09/01/1998-I0004-0004-A**

Formalize, in a procedure or requirements document, the requirements for submittal, qualified reviews, acceptance testing and reacceptance testing and verifications.

**Action: INEEL-09/01/1998-I0004-0006-A**

Develop a requirements document that outlines the specific acceptance and reacceptance testing required for fire protection system installations and modifications.

**Action: INEEL-09/01/1998-I0004-0007-A**

The future needs for registered professional engineers and architects will be assessed to identify and deficiencies in type and number.

**Action: INEEL-09/01/1998-I0004-0008-A**

Procedures controlling engineering design, specification preparation and subcontractor design submittal reviews, for fire protection and other systems impacting health and safety will be created or revised to require execution under the responsible charge of a registered professional engineer or architect licensed in the State of Idaho. Training on the new or revised procedures will be completed.

**Issue: JON-05 - LMITCO needs to assure that safety basis documentation and procedures for inactive faciliti...****Action: INEEL-09/01/1998-I0005-0001-A**

Obtain comments on the Company-wide Implementation Plan for DOE Orders 5480.22 and 5480.23 and make any changes required.

**Action: INEEL-09/01/1998-I0005-0002-A**

Obtain final approval of Implementation Plan.

**Action: INEEL-09/01/1998-I0005-0003-A**

Complete development of Site-wide generic SAR chapters and obtain DOE approval. The Implementation Plan for DOE Orders 5480.22 and .23 will be revised to incorporate plans to utilize these chapters.

**Action: INEEL-09/01/1998-I0005-0006-A**

Revise MCP-2449 and MCP-2451 to provide additional guidance on when safety analysis is needed for industrial hazards and to implement ID Notice 420.A.1

**Action: INEEL-09/01/1998-I0005-0007-A**

Perform an independent performance assessment to ensure that procedures governing periodic review and use of safety basis documentation for nuclear facilities are complied with.

**Action: INEEL-09/01/1998-I0005-0008-A**

Perform an independent performance assessment to ensure that procedures governing periodic review and use of safety basis documentation for non-nuclear facilities are complied with.

**Action: INEEL-09/01/1998-I0005-0011-A**

As an interim measure, upgrade the Ellis plan to: 1. Include lockout/tagout review by appropriate personnel. 2. Require Work Order review to verify that the proposed work falls within the facility's safety basis.

**Description****Completion Date****Action: INEEL-09/01/1998-I0005-0012-A**

Review SAR/TSR Implementation Plans and provide written comments to LMITCO.

**Action: INEEL-09/01/1998-I0005-0013-A**

Site Area Directors will train facility managers on procedures pertaining to system and equipment turnover.

**Issue: JON-06 - ID and LMITCO management need to expedite the implementation of integrated safety managemen...****Action: INEEL-09/01/1998-I0006-0001-A**

Completed all ID compensatory measures.

**Action: INEEL-09/01/1998-I0006-0002-A**

Establish ID ISM Project Office.

**Action: INEEL-09/01/1998-I0006-0003-A**

Modify 1999 Performance Evaluation Plan (award fee).

**Action: INEEL-09/01/1998-I0006-0004-A**

Establish ISM ID Project Management Plan.

**Action: INEEL-09/01/1998-I0006-0005-A**

Revise Fy-99 ID Operating Plans to incorporate organizational responsibilities reflected in the approved ISM Project Plan

**Action: INEEL-09/01/1998-I0006-0006-A**

Incorporate ISM requirements in the INEEL contract Request for Proposal.

**Action: INEEL-09/01/1998-I0006-0007-A**

Perform Phase I ISM Verification.

**Action: INEEL-09/01/1998-I0006-0008-A**

Perform and EH safety management evaluation.

**Action: INEEL-09/01/1998-I0006-0009-A**

Phase II ISM Verification (Stage I): ATR, RWMC, WERF/WROC, Big Shop, IRC

**Action: INEEL-09/01/1998-I0006-0011-A**

Transition safety management structure and ISM path forward to new contractor.

**Action: INEEL-09/01/1998-I0006-0014-A**

Define the path forward for maintenance integration and work planning and control by issuing the Site Integrated Maintenance Plan

**Action: INEEL-09/01/1998-I0006-0015-A**

Standardize the site work control process by providing to ID the Integrated Site Maintenance Manual for their review after all LMITCO review and comment resolution is complete

**Action: INEEL-09/01/1998-I0006-0016-A**

Implement Site Integrated maintenance Plan including Job/function applicability and training.

**Action: INEEL-09/01/1998-I0006-0021-A**

Description	Completion Date
Benchmark Conduct of Operation (COO), program status at selected Site facilities to provide a subjective evaluation of the effectiveness of their current COO programs.	
<b>Action: INEEL-09/01/1998-I0006-0022-A</b>	
Define the integration of conduct of operations with ISM and VPP by issuing the updated conduct of Operations Manual. Ensure that the updated Manual and/or facility-specific supplements require that workers verify that they are using the most current version of controlled documents.	
<b>Action: INEEL-09/01/1998-I0006-0025-A</b>	
Develop and implement a mentoring program that will create a positive feedback process and reinforce workers roles and responsibilities.	
<b>Action: INEEL-09/01/1998-I0006-0026-A</b>	
Continue implementation path of VP and submit VPP Application of STAR status.	
<b>Action: INEEL-09/01/1998-I0006-0027-A</b>	
Present the Conduct of Operations, Conduct of Maintenance, ISM System, and VPP philosophy to all employees using video and other communications media.	
<b>Action: INEEL-09/01/1998-I0006-0028-A</b>	
Benchmark Stop Work Authority with other Star sites.	
<b>Action: INEEL-09/01/1998-I0006-0029-A</b>	
Revise MCP-553 (Stop Work Authority), develop and implement training at the employee level, management level, and the Safety & Health Professional Level.	
<b>Action: INEEL-09/01/1998-I0006-0030-A</b>	
Develop and implement a process for employees to evaluate management performance.	
<b>Action: INEEL-09/01/1998-I0006-0031-A</b>	
Establish requirements regarding the time line management must spend at the job site with emphasis on routinely overseeing work and assessing safety conditions.	
Communicate to management the expectation to obtain informal employee feedback during the time line management is at the job site.	
<b>Action: INEEL-09/01/1998-I0006-0032-A</b>	
Benchmark VPP Star companies for their supervisory training programs emphasizing internal management systems awareness and understanding. Report recommendations and implement as appropriate.	
<b>Action: INEEL-09/01/1998-I0006-0034-A</b>	
Communicate this vision statement to employees in Denson-Grams, during staff meetings, all hands meetings, tool box sessions, or other appropriate means.	
<b>Issue: JON-07 - LMITCO needs to strengthen the contribution of procedures to safety management and the cons...</b>	
<b>Action: INEEL-09/01/1998-I0007-0001-A</b>	
Establish work standards through integration of Conduct of Operations and Conduct of Maintenance.	
<b>Action: INEEL-09/01/1998-I0007-0002-A</b>	
Train employees on work processes and performance expectations for procedural compliance.	

**Description****Completion Date****Action: INEEL-09/01/1998-I0007-0003-A**

Establish a Site Document Committee and Site Training Committee.

**Action: INEEL-09/01/1998-I0007-0007-A**

Review Independent Hazard Review Procedure to determine whether the interfaces between Facility Environment, Safety, and health support, the Operations interface, and the AEDL process are clear and upgrade, if needed.

**Action: INEEL-09/01/1998-I0007-0008-A**

Benchmark other Lockheed Martin companies with distributed round-the-clock operations to identify methods to maintain document control and accessibility.

**Action: INEEL-09/01/1998-I0007-0009-A**

Train procedure writer in the use of precautions, limitations, cautions, and warnings, and on methods for integration of risk mitigation information into procedures.

**Action: INEEL-09/01/1998-I0007-0010-A**

Revise MCP-2985, Operations Procedures, to clearly specify strict procedure use and compliance requirements

**Issue: JON-08 - LMITCO needs to verify that all gaseous agent fire extinguishing systems (i.e., CO2, Halon,...****Action: INEEL-09/01/1998-I0008-0001-A**

Install pressure switches with feedback loop and mechanical delays to ensure positive notification on all CO2 systems before placing them into service.

**Action: INEEL-09/01/1998-I0008-0002-A**

Propose that the ID AE Standard be revised to provide a section that defines the design requirements for gaseous fire suppression systems, including requiring mechanical delays, isolation valves, and electrically monitored pressure switches on all CO2 total-flooding systems.

**Action: INEEL-09/01/1998-I0008-0003-A**

Evaluate all other gaseous fire suppression systems for personnel safety hazards.

**Action: INEEL-09/01/1998-I0008-0004-A**

LMITCO will implement a process that requires designers to incorporate direct monitoring of equipment status, rather than monitoring of signals intended to set equipment status, in system designs when such monitoring is performed for safety purposes (see Subsection 1.5.1).

**Issue: JON-09 - LMITCO needs to update fire protection systems drawings and keep them updated to reflect mo...****Action: INEEL-09/01/1998-I0009-0001-A**

Formally review the definition of essential/key drawings as defined by MCP-2377 and how it is being applied to each facility. Incorporate risk/benefit considerations, as appropriate, in the MCP-2377 definition of essential/key drawings. Establish controls for the consistent interpretation and implementation of essential/key drawings at each facility.

**Action: INEEL-09/01/1998-I0009-0002-A**

Formally evaluate fire protection drawings and designate those that meet MCP-2377 criteria for essential/key drawings.

**Action: INEEL-09/01/1998-I0009-0005-A**

Description	Completion Date
Define and review other safety systems to identify any other drawings that need to be as-built and controlled as essential/key drawings.	
<b>Action: INEEL-09/01/1998-I0009-0007-A</b>	
Fully implement MCP-2811. This is to be achieved by continuing the training activities to ensure LMITCO personnel involved in the design of facility modifications fully understand the applicable processes and procedures. See subsection 3.2.	
<b>Action: INEEL-09/01/1998-I0009-0009-A</b>	
Establish a requirement that employees using drawings verify that they are accurate. If the drawing cannot be verified to be accurate, require the user to walk down the portion of the drawing that he/she is using and resolve the differences between the drawing and the actual configuration before use.	
<b>Issue: JON-10 - LMITCO needs to determine the specific mechanism by which the CO2 system in Building 648 di...</b>	
<b>Action: INEEL-09/01/1998-I0010-0001-A</b>	
Establish a team to identify the specific mechanism by which the CO2 discharged in TRA-648 (see Subsection 3.10.3 for details).	
<b>Action: INEEL-09/01/1998-I0010-0002-A</b>	
Use an outside agency to validate and verify results obtained from testing and discovery for the accident initiation mechanism. (EDF-737 and EDF-750).	
<b>Action: INEEL-09/01/1998-I0010-0003-A</b>	
Issue a red-lessons learned notice and distribute throughout the DOE system.	
<b>Action: INEEL-09/01/1998-I0010-0004-A</b>	
Notify Underwriters Laboratory of any findings concerning potential problems associated with the Notifier Model AFP-200 fire alarm panel.	
<b>Action: INEEL-09/01/1998-I0010-0005-A</b>	
Notify factory Mutual of any findings concerning potential problems associated with the Notifier Model AFP-200 fire alarm panel.	
<b>Action: INEEL-09/01/1998-I0010-0006-A</b>	
Review findings of failure mechanism for existing Notifier model AFP-200 releasing panels.	
<b>Action: INEEL-09/01/1998-I0010-0007-A</b>	
Evaluate and disposition the existing CO2 systems.	
<b>Action: INEEL-09/01/1998-I0010-0008-A</b>	
Identify the specific mechanism by which the CO2 discharged.	
<b>Issue: JON-11 - DOE needs to actively campaign to improve consensus standards and in the interim should con...</b>	
<b>Action: INEEL-09/01/1998-I0011-0001-A</b>	
Request HQ assistance in addressing this JON.	
<b>Action: INEEL-09/01/1998-I0011-0002-A</b>	
Direct LMITCO to institutionalize requirements to clearly define lockout, to limit occupancy in CO2 flood areas, and to prevent use of fire system impairments as a means of personnel protection.	11/13/98

Description	Completion Date
<p><b>Action: INEEL-09/01/1998-I0011-0003-A</b>            Reflect these requirements in Subsection 3/11/4/2 in an ID ?requirements document?            (Reference corrective Action 3.3.4.4).</p>	
<p><b>Action: INEEL-09/01/1998-I0011-0004-A</b>            Request that TRA-648 CO2 fatality be addressed in the December DOE Fire Safety            Committee meeting and the 1999 DOE Fire Safety Conference.</p>	
<p><b>Action: INEEL-09/01/1998-I0011-0005-A</b>            Nominate an ID individual for committee membership on a NFPA standards development            committee in a topic area directly affecting operations at the DOE complex.</p>	
<p><b>Issue: JON-12 - LMITCO needs to ensure that all total flooding gaseous fire suppression systems at INEEL ar...</b></p>	
<p><b>Action: INEEL-09/01/1998-I0012-0001-A</b>            Request HQ assistance in addressing this judgment of need.</p>	
<p><b>Action: INEEL-09/01/1998-I0012-0002-A</b>            Request that the TRA-648 CO2 fatality be addressed in the December Fire Safety            Committee meeting and the 1999 DOE Fire Safety Conference.</p>	
<p><b>Action: INEEL-09/01/1998-I0012-0003-A</b>            Direct LMITCO to ensure that all total flooding gaseous fire suppression systems at            INEEL are equipped with a means of OSHA compliant positive isolations.</p>	
<p><b>Action: INEEL-09/01/1998-I0012-0004-A</b>            Reflect these requirements in an ID requirements document.</p>	
<p><b>Action: INEEL-09/01/1998-I0012-0005-A</b>            Review LMITCO completed evaluations of all total flooding gaseous fire suppression            systems for positive lockout devices.</p>	
<p><b>Action: INEEL-09/01/1998-I0012-0006-A</b>            Evaluate all total flooding gaseous fire suppression systems for positive lockout devices.</p>	
<p><b>Action: INEEL-09/01/1998-I0012-0007-A</b>            Install a positive lockout mechanism that is electrically supervised by the releasing            system on CO2 total flooding, gaseous fire suppression systems, or remove the system            from service.</p>	
<p><b>Action: INEEL-09/01/1998-I0012-0008-A</b>            Revise MCP-1059 to include "Total flooding gaseous fire suppression systems" into the            definition of Hazardous Energy Sources.</p>	
<p><b>Action: INEEL-09/01/1998-I0012-0009-A</b>            Revise MCP-1059 to include specific steps for positive isolation of Halon systems.</p>	
<p><b>Action: INEEL-09/01/1998-I0012-0010-A</b>            Revise MCP-585 to differentiate between use of fire system impairments verses positive            lockout per MCP-1059.</p>	
<p><b>Action: INEEL-09/01/1998-I0012-0011-A</b>            In addition to changes suggested to NFPA 12, "Carbon Dioxide Extinguishing Systems,"            EH has completed guidance emphasizing the need for positive lockout devices on            gaseous fire suppression systems.</p>	

**Description****Completion Date**

**Issue: JON-13 - LMITCO needs to improve the work control system by providing additional guidance on the per...**

**Action: INEEL-09/01/1998-I0013-0001-A**

Develop an Integrated Site Maintenance Manual that: · Requires annual PM reviews, or in situations when the PM period exceeds one year reviews before each use, and reviews when safety or configuration changes occur. · A process to ensure that (a) hazard evaluations are effectively and consistently conducted, (b) all potential and credible hazards are captured, (c) the significance of risks are understood, and (d)

**Action: INEEL-09/01/1998-I0013-0002-A**

To provide a foundation to ensure that applicable key drawings and documents are updated when modifications are made to structures systems or components and that the latest revision of these updated drawings and documents are available to everyone involved in the work control process, LMITCO will revise PRD-115, MCP-550, MCP-2810, MCP-2811, and STD-13. As a minimum, these revisions will include: · Criteria for

**Action: INEEL-09/01/1998-I0013-0003-A**

Revise the Prejob Briefing Checklist to include a discussion of escape paths from the area where work is being performed, with a requirement to ensure that clear escape paths are maintained throughout the job. And establish criteria, including a job site walk down, that will identify the existing hazards in an area that could pose a serious threat to life and health.

**Action: INEEL-09/01/1998-I0013-0005-A**

Revise the Job requirements checklist (JRC) to include criteria regarding when to include emergency preparedness input, reviews, and approval; standardize the process for identifying potential and credible hazards for the job; and enable the JRC to provide general directions for hazard mitigation requirements.

**Action: INEEL-09/01/1998-I0013-0006-A**

Develop a Site-wide standardized job walkdown checklist.

**Action: INEEL-09/01/1998-I0013-0007-A**

Adequately guide planners to enhance their understanding of work planning activities and to standardize the approach for developing consistent work orders.

**Action: INEEL-09/01/1998-I0013-0008-A**

Establish a standardized maintenance work order package format, to include identification of applicable job and work-site hazards, for all LMITCO facilities at the INEEL.

**Action: INEEL-09/01/1998-I0013-0009-A**

Implement a site-wide CMMS at all facilities.

**Action: INEEL-09/01/1998-I0013-0010-A**

Develop and perform a maintenance planners test-out program to identify those qualified to perform planner activities. This program will include: · Performing a formal task analysis · Performing a formal needs analysis · Developing a modular test to assess core knowledge as well as facility specific sections for each facility · Remedial activities for those who do not successfully test out.

**Action: INEEL-09/01/1998-I0013-0011-A**

**Description****Completion Date**

Complete training of maintenance planners that were identified during test-out to require remedial training.

**Action: INEEL-09/01/1998-I0013-0012-A**

Develop and implement modular INEEL and facility-specific training (including testing) for planners, foremen, crafts, and supporting ES&H personnel on applicable aspects of the Integrated Site maintenance Manual. This training will cover how to access and use the lessons learned data, perform pre-job briefings and post job reviews as well as, how to identify, mitigate, and control maintenance work hazards and plan work orders using ISM

**Action: INEEL-09/01/1998-I0013-0014-A**

Implement teams of employees to identify work place hazards in each facility. Benchmark companies using this concept. These teams will be used as a tool to build and maintain building hazard inventories as discussed in 3.5.4.8 and 3.13.4.4

**Action: INEEL-09/01/1998-I0013-0015-A**

Implement the Integrated Site Maintenance Manual.

**Action: INEEL-09/01/1998-I0013-0016-A**

Develop a matrix, showing how the Integrated Site Maintenance Manual and the Site Integrated Maintenance Implementation Plan will address work control/maintenance related issues from the Investigation Report and other LMITCO and ID assessments identified in Subsection 3.13.3.

**Action: INEEL-09/01/1998-I0013-0017-A**

Revise construction management directives to provide criteria regarding when the Hazard Review for Special conditions be updated when unanticipated risks are identified during construction work.

**Action: INEEL-09/01/1998-I0013-0018-A**

NEW ACTION ITEM Develop training module based on criteria provided in 3.13.4.2, and implement training.

**Issue: JON-14 - LMITCO needs to provide additional management attention to assure the effectiveness of the ...**

**Action: INEEL-09/01/1998-I0014-0001-A**

Establish the Site Operations Directorate.

**Action: INEEL-09/01/1998-I0014-0002-A**

Develop an Integrated Site Maintenance Manual. (See implementation action in 3.13.4.15)

**Action: INEEL-09/01/1998-I0014-0003-A**

Implement and enforce a management-training program to achieve a clear understanding of roles and responsibilities in conjunction with work orders and associated management systems. (See additional training action in 3.13.4.12)

**Action: INEEL-09/01/1998-I0014-0004-A**

Clearly define the roles and responsibilities of the recently created Site Area Director positions, making them responsible to ensure that the work control process is effective.

**Action: INEEL-09/01/1998-I0014-0005-A**

Establish line management field involvement criteria and incorporate it into the self-assessment process.

**Description****Completion Date****Action: INEEL-09/01/1998-I0014-0006-A**

Establish the Senior Supervisory Watch to directly oversee maintenance activities in progress at the job site based on the risk and complexity of the task.

**Action: INEEL-09/01/1998-I0014-0007-A**

Establish an independent review process for work orders determined to be highly hazardous or complex.

**Action: INEEL-09/01/1998-I0014-0008-A**

In the Integrated Site Maintenance Manual, standardize LMITCO maintenance processes to include using only members from a core group of facility specific trained planners to perform final planning activities for all written maintenance work orders.

**Action: INEEL-09/01/1998-I0014-0009-A**

Establish training requirements and responsibilities for everyone involved in the work control process.

**Action: INEEL-09/01/1998-I0014-0010-A**

Continue VPP Supervisor and Management training on a quarterly basis.

**Action: INEEL-09/01/1998-I0014-0011-A**

Enhance the accountability/ performance appraisal process by implementing an accountability tool for the bargaining unit.

**Action: INEEL-09/01/1998-I0014-0012-A**

Enhance the accountability/ performance appraisal process by establishing more rigorous and measurable performance standards for management and nonrepresented employees.

**Issue: JON-15 - LMITCO needs to provide additional guidance in the outage request procedure to assure docum...****Action: INEEL-09/01/1998-I0015-0001-A**

Revise MCP-2 and the Outage Request form to include the following provisions for documenting safety controls that need to be established for each phase of the outage:  
Include a checklist/table that review and identifies hazards related to the outage for the responsible line manager and personnel responsible for planning the work. Provide criteria specifying when the outage coordinator needs to involve other support

**Action: INEEL-09/01/1998-I0015-0002-A**

Include the revised MCP-2 and Outage Request form in the Integrated Site Maintenance Manual.

**Issue: JON-16 - LMITCO needs to institutionalize training and incorporate information about CO2 hazards int...****Action: INEEL-09/01/1998-I0016-0001-A**

Develop the training and exam for CO2.

**Action: INEEL-09/01/1998-I0016-0002-A**

Develop guidance for managers to identify the target audience attendees for CO2 training.

**Action: INEEL-09/01/1998-I0016-0003-A**

Identify personnel who require training on CO2 systems. Track in TRAIN system.

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**Description****Completion Date**

Conduct make up sessions as required for industry standards applicable to CO2.

**Action: INEEL-09/01/1998-I0017-0004-A**

Remediate exam failures on industry standards applicable to CO2 systems.

**Action: INEEL-09/01/1998-I0017-0005-A**

Incorporate CO2 training into the initial and continuing training programs for Work planners who plan work on CO2 systems (See subsection 12.13 and 12.14). Track on TRAIN system.

**Action: INEEL-09/01/1998-I0017-0006-A**

Determine knowledge and skills for each ESH&QA discipline, including the knowledge and skills associated with the codes and standards as they apply to each discipline.

**Action: INEEL-09/01/1998-I0017-0007-A**

Develop and obtain approval of the Technical Base Qualification Standard for each discipline.

**Action: INEEL-09/01/1998-I0017-0008-A**

Identify, obtain, or develop training materials required by the Technical Base Qualification standards.

**Action: INEEL-09/01/1998-I0017-0009-A**

Conduct/administer training in accordance with the Technical Base Qualification standards.

**Issue: JON-18 - LMITCO needs to conduct site-wide lessons-learned training on the root causes and correctiv...**

**Action: INEEL-09/01/1998-I0018-0001-A**

Complete initial training to a target audience of personnel from LMITCO, ID, and subcontractors to cover the accident events, lessons learned on the root causes, and immediate corrective actions.

**Action: INEEL-09/01/1998-I0018-0002-A**

Analyze the attendance at the initial accident training and complete makeup training to those in the target audience not in attendance.

**Action: INEEL-09/01/1998-I0018-0003-A**

Prepare a videotape for usage in Site-wide lessons learned training on the accident.

**Action: INEEL-09/01/1998-I0018-0004-A**

Prepare and complete Site-wide training for personnel from LMITCO, ID, and subcontractors on the July 28, 1998 TRA accident.

**Action: INEEL-09/01/1998-I0018-0005-A**

Prepare and provide the requirements to restructure the Lessons Learned Program.

**Action: INEEL-09/01/1998-I0018-0006-A**

Coordinate and prepare a plan to restructure the Lessons Learned Program.

**Action: INEEL-09/01/1998-I0018-0007-A**

Implement the newly restructured Lessons Learned Program.

**Action: INEEL-09/01/1998-I0018-0008-A**

Description	Completion Date
Provide intranet access to lessons learned archive file and include text search capabilities.	
<b>Action: INEEL-09/01/1998-I0018-0009-A</b>	
Complete general employee and managers training and testing on the Lessons Learned Program when it is revised.	
<b>Action: INEEL-09/01/1998-I0018-0010-A</b>	
Complete training and testing on the revised Lessons Learned Program to work planners and their support personnel.	
<b>Action: INEEL-09/01/1998-I0018-0011-A</b>	
Complete training and testing on the revised Lessons Learned Program to the program staff including the coordinators.	
<b>Action: INEEL-09/01/1998-I0018-0012-A</b>	
Revise MCP-192, "Lessons Learned " or other LMITCO procedures, as required, to describe the capture of changes to LMITCO documents caused by lessons learned.	
<b>Issue: JON-19 - ID and LMITCO need to strengthen the INEEL issues management process to assure effective pr...</b>	
<b>Action: INEEL-09/01/1998-I0019-0001-A</b>	
Initiate routine status reporting on ID open issues.	
<b>Action: INEEL-09/01/1998-I0019-0002-A</b>	
Initiate periodic accountability meetings with Assistant Managers.	
<b>Action: INEEL-09/01/1998-I0019-0003-A</b>	
Initiate routine DM meeting with the LMITCO Senior Management on SORB issues.	
<b>Action: INEEL-09/01/1998-I0019-0004-A</b>	
Incorporate issue management as a critical element for Director's and A/M's performance agreements.	
<b>Action: INEEL-09/01/1998-I0019-0005-A</b>	
Review existing issues for inclusion into IMED.	
<b>Action: INEEL-09/01/1998-I0019-0006-A</b>	
Define the requirements of an issue management process.	
<b>Action: INEEL-09/01/1998-I0019-0007-A</b>	
Design an issue management process.	
<b>Action: INEEL-09/01/1998-I0019-0009-A</b>	
Complete implementation of the issue management process.	
<b>Action: INEEL-09/01/1998-I0019-0011-A</b>	
Establish the Independent Assessment and Trending Directorate.	
<b>Action: INEEL-09/01/1998-I0019-0012-A</b>	
Publish first monthly Trending center report to management.	
<b>Action: INEEL-09/01/1998-I0019-0013-A</b>	
Establish program manager responsible for developing, establishing, and implementing the issues management system and for monitoring the effectiveness.	

**Description****Completion Date****Action: INEEL-09/01/1998-I0019-0014-A**

Charter and establish Corrective Action Review Boards (CARB) at INEEL facilities and areas.

**Action: INEEL-09/01/1998-I0019-0015-A**

Establish the Site Operations Review Board.

**Action: INEEL-09/01/1998-I0019-0016-A**

Review the results of the LMITCO issues management process for the past two Type A accident reports. Report the results to the SORB.

**Action: INEEL-09/01/1998-I0019-0017-A**

Review the results of the LMITCO issues management process for the 198 DOE and ID assessment/Surveillance reports of work control activities, corrective action and procurement. Report the results to the SORB.

**Action: INEEL-09/01/1998-I0019-0018-A**

Revise the LMITCO issues management procedures to incorporate the improvements of Subsection 3.19.3 of the LMITCO response to the Investigation Report and Section 12.19.3.2 of the CAIP report.

**Action: INEEL-09/01/1998-I0019-0019-A**

Measure the effectiveness of the Corrective Action Review Boards through oversight of activities and records review, as appropriate. Report to the SORB.

**Action: INEEL-09/01/1998-I0019-0020-A**

Establish performance metrics to measure the effectiveness of the issues management process.

**Action: INEEL-09/01/1998-I0019-0021-A**

Establish a Trending Center to capture, monitor, analyze, and report the results of the issues management system, including the Lessons Learned program.

**Action: INEEL-09/01/1998-I0019-0022-A**

Prepare and provide the initial training on the revised issues management system to users. In conjunction with the initial training on the revised issues management system, make workers and managers more aware of the capabilities of the ICARE system via: Denson-Grams, articles in the Star, orientation materials to share with employees during staff meetings, all-hands meetings, tool box sessions or other appropriate means.

**Action: INEEL-09/01/1998-I0019-0023-A**

Provide the initial training to potential responsible process deficiency managers and their supporting ESH&QA subject matter experts on the prioritization and root cause analysis techniques used in the revised issues management procedures.

**Action: INEEL-09/01/1998-I0019-0025-A**

Prepare a Corrective Action Implementation Plan (CAIP) to correlate the actions and completion dates of this response report and the applicable activities in the ISM Integrated Schedule for LMITCO.

**Action: INEEL-09/01/1998-I0019-0026-A**

Establish and implement the Site Operations Self-Assessment Program at all INEEL areas.

**Description****Completion Date****Action: INEEL-09/01/1998-I0019-0027-A**

Prepare integrated schedule for the CO2 accident, corrective actions and other major actions of other INEEL improvement initiatives to assist in identification of critical time frames and organizations for which detailed company-wide resources loading and work prioritization is justified.

**Action: INEEL-09/01/1998-I0019-0028-A**

Complete a performance-based validation of the ID issue management process. The validation will focus on the current management and closure of issues rather than the proposed new issue management process.

**Issue: JON-20 - LMITCO needs to assure the ability to accomplish immediate rescue and response to planned a...**

**Action: INEEL-09/01/1998-I0020-0001-A**

Review Incident Response Team capability, training, equipment vs. need, and staffing levels to requirements of NFPA-600. Provide results to Area directors.

**Action: INEEL-09/01/1998-I0020-0002-A**

Identify "High risk Work" definition and trigger points for prestaging emergency equipment and Fire Department personnel.

**Action: INEEL-09/01/1998-I0020-0003-A**

Assess the need to increase Fire Department critical minimum response capability to meet area need for prestaging of personnel and equipment.

**Action: INEEL-09/01/1998-I0020-0004-A**

Evaluate the training/certification level of our emergency medical responders.

**Action: INEEL-09/01/1998-I0020-0005-A**

Assess consolidation of INEEL Emergency Management services and functions.

**Action: INEEL-09/01/1998-I0020-0006-A**

Revise existing ID MOU with local hospitals to include Life Flight helicopter services.

**Action: INEEL-09/01/1998-I0020-0007-A**

Train Fire Department and Security personnel to work with Life Flight helo operations.

**Action: INEEL-09/01/1998-I0020-0008-A**

Evaluate and procure new technology "personal" escape equipment.

**Action: INEEL-09/01/1998-I0020-0009-A**

Train prior to issue and deploy new personal escape equipment.

**Action: INEEL-09/01/1998-I0020-0010-A**

Review and incorporate consistent administrative controls to the remaining CO2 protected areas.

**Action: INEEL-09/01/1998-I0020-0011-A**

Install remote sensing O2 monitor or proceduralize use of hand-held O2 meter at each CO2 protected facility for use "prior" to entry.

**Action: INEEL-09/01/1998-I0020-0012-A**

Develop an Action Plan for all active CO2 protected buildings/areas.

**Description****Completion Date****Action: INEEL-09/01/1998-10020-0013-A**

Add portable oxygen units to all fire engines and reevaluate daily emergency vehicle inventory checklists.

**Action: INEEL-09/01/1998-10020-0014-A**

Perform Risk Benefit Analysis for SCBA staging, deployment, training ownership, consistent routine maintenance, and number needed by area for occupational and emergency. Issue report upon completion to Site Operations Director.

**Action: INEEL-09/01/1998-10020-0015-A**

Perform assessment of area incident response vehicles and provide report to Area Directors.

**Action: INEEL-09/01/1998-10020-0016-A**

Write Standard Practice to change TRA Diesel Generator Operating Procedure (SP 10.3.1.35).

**Action: INEEL-09/01/1998-10020-0017-A**

Replace TRA ECC Rollup door operator with an opener that can manually be opened and closed without power.

**Action: INEEL-09/01/1998-10020-0018-A**

Review and update the medical mass Casualty Plan.

**Action: INEEL-09/01/1998-10020-0019-A**

Position portable oxygen units at area dispensaries to make them more readily available for mass casualties and Security Guard retrieval on backshifts.

**Action: INEEL-09/01/1998-10020-0020-A**

Develop and complete an unplanned CO2 discharge drill

**Issue: JON-21 - ID and LMITCO need to improve analysis and control of incremental reductions in funding for...****Action: INEEL-09/01/1998-10021-0001-A**

Direct modification of existing change control processes to include analysis of ES&H ramifications (until 3.21.4.3 through 3.21.4.5 are completed).

**Action: INEEL-09/01/1998-10021-0002-A**

Modify the direct and indirect change control processes to address ES&H issues concurrently with work package modification (interim measures 2a and 2b).

**Action: INEEL-09/01/1998-10021-0003-A**

Charter a joint ID and contractor team to identify core INEEL ES&H infrastructure necessary to support programs/projects and identify the process for monitoring the infrastructure.

**Action: INEEL-09/01/1998-10021-0005-A**

Develop and implement procedures and review processes to assure current year program development incorporates core INEEL ES&H infrastructure baseline requirements.

**Issue: JON-22 - LMITCO needs to conduct a risk benefit analysis on the continued need for CO2 fire suppress...****Action: INEEL-09/01/1998-10022-0001-A**

Description	Completion Date
Request HQ assistance in addressing this judgment of need.	
<b>Action: INEEL-09/01/1998-10022-0003-A</b>	
Perform a risk/benefit analysis on the existing CO2 systems.	
<b>Action: INEEL-09/01/1998-10022-0004-A</b>	
Make System changes as necessary to support the results of the risk benefit analysis.	
<b>Action: INEEL-09/01/1998-10022-0009-A</b>	
Ensure that CO2 fire suppression systems are designed to comply with NFPA 101, Life Safety Code, and safety related requirements of NFPA 12.	
<b>Action: INEEL-09/01/1998-10022-0010-A</b>	
DOE has implemented such a policy in the Implementation Guide to DOE Order 420.1, "Facility Safety" as well as in DOE-STD-1066-99, "Fire Protection Design Criteria" which call for addressing risk through preliminary and subsequent hazard analyses as part of the design process. This policy was reinforced in Safety and Health Bulletin 99-1.	
<b>Report: Type A Accident Investigation Board Report on February 20, 1996 Fall Fatality at the Radioactive Was... - 03/01/1996</b>	
<b>Issue: JON-01 - Caddell line management and safety personnel need to implement existing safety requirements...</b>	
<b>Action: INEEL-03/01/1996-10001-0001-A</b>	
Proceduralize monthly validations of subcontractor compliance with OMP requirements through PM/CM Manual 7.	
<b>Issue: JON-02 - Caddell and LITCO need to ensure that an adequate hazards analysis is performed prior to ch...</b>	
<b>Action: INEEL-03/01/1996-10002-0001-A</b>	
Implement the Integrated Site Maintenance Manual.	
<b>Action: INEEL-03/01/1996-10002-0002-A</b>	
Develop MCPs formalizing SWP and JSA use for construction.	
<b>Action: INEEL-03/01/1996-10002-0003-A</b>	
The safety inspection and oversight processes will be reviewed to ensure they address the changing work conditions. The issues identified in the review of monitoring changing work conditions will be resolved, as needed. Develop a LMITCO Company with Hazard Prevention and Control Manual.	
<b>Issue: JON-03 - LITCO needs to carefully evaluate, post and control radiological boundaries so that safety ...</b>	
<b>Action: INEEL-03/01/1996-10003-0001-A</b>	
Integrate safety in RadCon Areas into the hazard analysis process through Enhanced Work Planning	
<b>Action: INEEL-03/01/1996-10003-0002-A</b>	
In consolidating the previous contractor programs, the items identified in the assessment report to support the above weakness have been previously identified programs/processes are currently in place to remedy this weakness. Procedure development, training, and a new rad control information management system (RCIMS) have been the major focus of LMITCO. The intentions of LMITCO are to have a	
<b>Issue: JON-04 - LITCO and Idaho Operations Office oversight programs need to be better balanced between fie...</b>	
<b>Action: INEEL-03/01/1996-10004-0001-A</b>	

Description	Completion Date
Distinguish management expectations for DOE-ID assessments and surveillance's and provide a suggested template for each type of oversight. Rebalance and provide greater emphasis on Management Assessments.	
<b>Action: INEEL-03/01/1996-I0004-0002-A</b>	
Requirements for daily and weekly surveillance's and monthly review of programmatic issues will be proceduralized and placed in the PM/CM Manual for LMITCO personnel to perform.	
<b>Issue: JON-05 - Caddell and LITCO need to ensue that safety personnel inspect changing work conditions for ...</b>	
<b>Action: INEEL-03/01/1996-I0005-0001-A</b>	
Implement the Integrated Site Maintenance Manual.	
<b>Action: INEEL-03/01/1996-I0005-0002-A</b>	
Electrical safety training for "higher than normal risk" employees will be completed. A procedure for use of SWPs and JSAs will be developed.	
<b>Action: INEEL-03/01/1996-I0005-0004-A</b>	
The safety inspection and oversight processes will be reviewed to ensure they address the changing work conditions. The issues identified in the review of monitoring changing work conditions will be resolved, as needed. LMITCO will review inspection and oversight processes to ensure they address changing work conditions.	
<b>Issue: JON-06 - ID needs to develop contractual requirements and modify existing contractual requirements f...</b>	
<b>Action: INEEL-03/01/1996-I0006-0001-A</b>	
Ammend M&O contract to include DOE O 225.1, Accident Investigation.	05/30/99
<b>Site: Lawrence Livermore National Laboratory CSO - DP - Assistant Secreary for Defense Programs</b>	
<b>Report: Integrated Safety Management Evaluation of the Lawrence Livermore National Laboratory - 11/01/1997</b>	
<b>Issue: Emergency Management Deficiencies The hazard analyses that support the LLNL emergency management pro...</b>	
<b>Action: LLNL-11/01/1997-I0001-0002-A</b>	
Training will be obtained from DOE on hazards assessment and emergency action levels.	02/27/98
<b>Action: LLNL-11/01/1997-I0001-0003-A</b>	
Protocols on notification, hazards assessments and emergency action levels will be developed and submitted to DOE/OAK for concurrence. Protocols were developed and submitted to DOE/OAK on 3/31/98. The protocols were developed taking into account all comments made during the audits and evaluations of emergency preparedness by DOE.	03/31/98
The protocols were designed to give the Emergency Manager and Incident commanders	
<b>Action: LLNL-11/01/1997-I0001-0004-A</b>	
Hazards assessments will be conducted and emergency action levels developed and submitted to DOE/OAK. The entire Emergency Preparedness Program has been redesigned, including hazard assessments. In the redesign, the hazard assessment process has been tied to the safety analysis report (SAR) process, by having the same staff that oversees the SARs be responsible for the hazard assessments. This gives the	12/01/98
<b>Action: LLNL-11/01/1997-I0001-0005-A</b>	
Hazards assessments will be conducted and emergency action levels developed and submitted to DOE/OAK. The entire Emergency Preparedness Program has been redesigned, including hazard assessments. In the redesign, the hazard assessment process has been tied to the safety analysis report (SAR) process, by having the same staff that oversees the SARs be responsible for the hazard assessments. This gives the	12/01/98

Description	Completion Date
<b>Action: LLNL-11/01/1997-I0001-0006-A</b>	
Protocols on notification, hazards assessments and emergency action levels will be developed and submitted to DOE/OAK for concurrence. Protocols were developed and submitted to DOE/OAK on 3/31/98. The protocols were developed taking into account all comments made during the audits and evaluations of emergency preparedness by DOE. The protocols were designed to give the Emergency Manager and Incident commanders	03/31/98
<b>Action: LLNL-11/01/1997-I0001-0007-A</b>	
Hazards assessments will be conducted and emergency action levels developed and submitted to DOE/OAK. The entire Emergency Preparedness Program has been redesigned, including hazard assessments. In the redesign, the hazard assessment process has been tied to the safety analysis report (SAR) process, by having the same staff that oversees the SARs be responsible for the hazard assessments. This gives the	12/01/98
<b>Action: LLNL-11/01/1997-I0001-0010-A</b>	
The Emergency Plan and Implementing Procedures will be rewritten and submitted to DOE/OAK.	01/30/99
<b>Action: LLNL-11/01/1997-I0001-0011-A</b>	
The Emergency Plan and Implementing Procedures will be rewritten and submitted to DOE/OAK.	01/30/99
<b>Action: LLNL-11/01/1997-I0001-0012-A</b>	
The Emergency Plan and Implementing Procedures will be rewritten and submitted to DOE/OAK.	01/30/99
<b>Issue: Inadequate OAK Assessment Programs OAK assessments of contractor ES&amp;H performance have not been effec...</b>	
<b>Action: LLNL-11/01/1997-I0002-0001-A</b>	
"OAK assessments of contractor ES&H performance have not been effective in providing timely feedback on deficiencies, evaluation of causes, and verification of the effectiveness of corrective actions. Given the weaknesses in the LLNL self-assessment program and safety performance concerns, continued and additional OAK monitoring and appraisal beyond the day-to-day operational awareness and the annual two-week	07/31/98
<b>Action: LLNL-11/01/1997-I0002-0002-A</b>	
"OAK assessments of contractor ES&H performance have not been effective in providing timely feedback on deficiencies, evaluation of causes, and verification of the effectiveness of corrective actions. Given the weaknesses in the LLNL self-assessment program and safety performance concerns, continued and additional OAK monitoring and appraisal beyond the day-to-day operational awareness and the annual two-week	07/31/98
<b>Action: LLNL-11/01/1997-I0002-0003-A</b>	
"OAK assessments of contractor ES&H performance have not been effective in providing timely feedback on deficiencies, evaluation of causes, and verification of the effectiveness of corrective actions. Given the weaknesses in the LLNL self-assessment program and safety performance concerns, continued and additional OAK monitoring and appraisal beyond the day-to-day operational awareness and the annual two-week	07/31/98
<b>Action: LLNL-11/01/1997-I0002-0004-A</b>	
"OAK assessments of contractor ES&H performance have not been effective in providing timely feedback on deficiencies, evaluation of causes, and verification of the effectiveness of corrective actions. Given the weaknesses in the LLNL self-assessment program and safety performance concerns, continued and additional OAK monitoring and appraisal beyond the day-to-day operational awareness and the annual two-week	07/31/98

**Description****Completion Date****Action: LLNL-11/01/1997-I0002-0005-A**

"OAK assessments of contractor ES&H performance have not been effective in providing timely feedback on deficiencies, evaluation of causes, and verification of the effectiveness of corrective actions. Given the weaknesses in the LLNL self-assessment program and safety performance concerns, continued and additional OAK monitoring and appraisal beyond the day-to-day operational awareness and the annual two-week

07/31/98

**Action: LLNL-11/01/1997-I0002-0006-A**

"OAK assessments of contractor ES&H performance have not been effective in providing timely feedback on deficiencies, evaluation of causes, and verification of the effectiveness of corrective actions. Given the weaknesses in the LLNL self-assessment program and safety performance concerns, continued and additional OAK monitoring and appraisal beyond the day-to-day operational awareness and the annual two-week

06/01/99

**Action: LLNL-11/01/1997-I0002-0007-A**

"OAK assessments of contractor ES&H performance have not been effective in providing timely feedback on deficiencies, evaluation of causes, and verification of the effectiveness of corrective actions. Given the weaknesses in the LLNL self-assessment program and safety performance concerns, continued and additional OAK monitoring and appraisal beyond the day-to-day operational awareness and the annual two-week

05/30/99

**Action: LLNL-11/01/1997-I0002-0009-A**

OAK assessments of contractor ES&H performance have not been effective in providing timely feedback on deficiencies, evaluation of causes, and verification of the effectiveness of corrective actions. Given the weaknesses in the Lawrence Livermore National Laboratory (LLNL) self-assessment program and safety performance concerns, continued and additional OAK monitoring and appraisal beyond the day-to-day

05/03/99

**Action: LLNL-11/01/1997-I0002-0010-A**

OAK assessments of contractor ES&H performance have not been effective in providing timely feedback on deficiencies, evaluation of causes, and verification of the effectiveness of corrective actions. Given the weaknesses in the Lawrence Livermore National Laboratory (LLNL) self-assessment program and safety performance concerns, continued and additional OAK monitoring and appraisal beyond the day-to-day

05/03/99

**Action: LLNL-11/01/1997-I0002-0012-A**

OAK assessments of contractor ES&H performance have not been effective in providing timely feedback on deficiencies, evaluation of causes, and verification of the effectiveness of corrective actions. Given the weaknesses in the Lawrence Livermore National Laboratory (LLNL) self-assessment program and safety performance concerns, continued and additional OAK monitoring and appraisal beyond the day-to-day

10/26/98

**Action: LLNL-11/01/1997-I0002-0013-A**

OAK assessments of contractor ES&H performance have not been effective in providing timely feedback on deficiencies, evaluation of causes, and verification of the effectiveness of corrective actions. Given the weaknesses in the Lawrence Livermore National Laboratory (LLNL) self-assessment program and safety performance concerns, continued and additional OAK monitoring and appraisal beyond the day-to-day

10/26/98

**Action: LLNL-11/01/1997-I0002-0014-A**

Description	Completion Date
<p>OAK assessments of contractor ES&amp;H performance have not been effective in providing timely feedback on deficiencies, evaluation of causes, and verification of the effectiveness of corrective actions. Given the weaknesses in the Lawrence Livermore National Laboratory (LLNL) self-assessment program and safety performance concerns, continued and additional OAK monitoring and appraisal beyond the day-to-day</p> <p><b>Action: LLNL-11/01/1997-I0002-0015-A</b></p>	09/30/98
<p>OAK assessments of contractor ES&amp;H performance have not been effective in providing timely feedback on deficiencies, evaluation of causes, and verification of the effectiveness of corrective actions. Given the weaknesses in the Lawrence Livermore National Laboratory (LLNL) self-assessment program and safety performance concerns, continued and additional OAK monitoring and appraisal beyond the day-to-day</p> <p><b>Issue: Inadequate Subcontractor Safety Management Contractual ES&amp;H requirements are inadequate, and line ma...</b></p> <p><b>Action: LLNL-11/01/1997-I0007-0001-A</b></p>	10/30/99
<p>"Contractual ES&amp;H requirements are inadequate, and line management oversight is ineffective for many small subcontracts. Large construction contracts are subject to pre-qualification based on the subcontractor's safety record, and the large contracts incorporate ES&amp;H safety plans commensurate with the level of risks involved in the project. Subcontractor performance is managed, and adequate oversight is employed in</p> <p><b>Action: LLNL-11/01/1997-I0007-0002-A</b></p>	02/01/99
<p>"Contractual ES&amp;H requirements are inadequate, and line management oversight is ineffective for many small subcontracts. Large construction contracts are subject to pre-qualification based on the subcontractor's safety record, and the large contracts incorporate ES&amp;H safety plans commensurate with the level of risks involved in the project. Subcontractor performance is managed, and adequate oversight is employed in</p> <p><b>Action: LLNL-11/01/1997-I0007-0003-A</b></p>	04/15/99
<p>"Contractual ES&amp;H requirements are inadequate, and line management oversight is ineffective for many small subcontracts. Large construction contracts are subject to pre-qualification based on the subcontractor's safety record, and the large contracts incorporate ES&amp;H safety plans commensurate with the level of risks involved in the project. Subcontractor performance is managed, and adequate oversight is employed in</p> <p><b>Action: LLNL-11/01/1997-I0007-0004-A</b></p>	04/15/99
<p>"Contractual ES&amp;H requirements are inadequate, and line management oversight is ineffective for many small subcontracts. Large construction contracts are subject to pre-qualification based on the subcontractor's safety record, and the large contracts incorporate ES&amp;H safety plans commensurate with the level of risks involved in the project. Subcontractor performance is managed, and adequate oversight is employed in</p> <p><b>Action: LLNL-11/01/1997-I0007-0005-A</b></p>	04/15/99
<p>"Contractual ES&amp;H requirements are inadequate, and line management oversight is ineffective for many small subcontracts. Large construction contracts are subject to pre-qualification based on the subcontractor's safety record, and the large contracts incorporate ES&amp;H safety plans commensurate with the level of risks involved in the project. Subcontractor performance is managed, and adequate oversight is employed in</p> <p><b>Action: LLNL-11/01/1997-I0007-0006-A</b></p>	10/05/98



**Description****Completion Date****Issue: Ineffective LLNL Assessment Programs LLNL assessment programs are ineffective and need strengthening. ...****Action: LLNL-11/01/1997-I0003-0001-A**

LLNL assessment programs are ineffective and need strengthening. The effectiveness of 07/01/99 the LLNL programmatic and management assessment programs is limited by the current assessment focus, failure to identify and correct root causes, and lack of analysis and trending of ES&H deficiencies. LLNL assessments generally focus on material conditions and compliance, and do not adequately focus on work performance. Corrective actions

**Action: LLNL-11/01/1997-I0003-0002-A**

LLNL assessment programs are ineffective and need strengthening. The effectiveness of 12/15/98 the LLNL programmatic and management assessment programs is limited by the current assessment focus, failure to identify and correct root causes, and lack of analysis and trending of ES&H deficiencies. LLNL assessments generally focus on material conditions and compliance, and do not adequately focus on work performance. Corrective actions

**Action: LLNL-11/01/1997-I0003-0003-A**

LLNL assessment programs are ineffective and need strengthening. The effectiveness of 06/30/99 the LLNL programmatic and management assessment programs is limited by the current assessment focus, failure to identify and correct root causes, and lack of analysis and trending of ES&H deficiencies. LLNL assessments generally focus on material conditions and compliance, and do not adequately focus on work performance. Corrective actions

**Action: LLNL-11/01/1997-I0003-0004-A**

LLNL assessment programs are ineffective and need strengthening. The effectiveness of 01/31/99 the LLNL programmatic and management assessment programs is limited by the current assessment focus, failure to identify and correct root causes, and lack of analysis and trending of ES&H deficiencies. LLNL assessments generally focus on material conditions and compliance, and do not adequately focus on work performance. Corrective actions

**Action: LLNL-11/01/1997-I0003-0005-A**

LLNL assessment programs are ineffective and need strengthening. The effectiveness of 06/30/99 the LLNL programmatic and management assessment programs is limited by the current assessment focus, failure to identify and correct root causes, and lack of analysis and trending of ES&H deficiencies. LLNL assessments generally focus on material conditions and compliance, and do not adequately focus on work performance. Corrective actions

**Action: LLNL-11/01/1997-I0003-0006-A**

LLNL assessment programs are ineffective and need strengthening. The effectiveness of 08/30/99 the LLNL programmatic and management assessment programs is limited by the current assessment focus, failure to identify and correct root causes, and lack of analysis and trending of ES&H deficiencies. LLNL assessments generally focus on material conditions and compliance, and do not adequately focus on work performance. Corrective actions

**Issue: Lack of Effective Work Planning and Hazard Control LLNL does not have a common site-wide, integrated...****Action: LLNL-11/01/1997-I0006-0002-A**

"LLNL does not have a common site-wide, integrated work planning and control process 05/01/99 or mechanism that encompasses all site activities and effectively applies the core functions of integrated safety management appropriate to the level of hazard. Although some work activities are well defined and hazards are adequately controlled, other activities are not effectively controlled; and mechanisms are not established to

Description	Completion Date
<p><b>Action: LLNL-11/01/1997-I0006-0004-A</b></p> <p>"LLNL does not have a common site-wide, integrated work planning and control process or mechanism that encompasses all site activities and effectively applies the core functions of integrated safety management appropriate to the level of hazard. Although some work activities are well defined and hazards are adequately controlled, other activities are not effectively controlled; and mechanisms are not established to</p>	05/01/99
<p><b>Action: LLNL-11/01/1997-I0006-0006-A</b></p> <p>"LLNL does not have a common site-wide, integrated work planning and control process or mechanism that encompasses all site activities and effectively applies the core functions of integrated safety management appropriate to the level of hazard. Although some work activities are well defined and hazards are adequately controlled, other activities are not effectively controlled; and mechanisms are not established to</p>	05/01/99
<p><b>Action: LLNL-11/01/1997-I0006-0007-A</b></p> <p>"LLNL does not have a common site-wide, integrated work planning and control process or mechanism that encompasses all site activities and effectively applies the core functions of integrated safety management appropriate to the level of hazard. Although some work activities are well defined and hazards are adequately controlled, other activities are not effectively controlled; and mechanisms are not established to</p>	07/01/99
<p><b>Action: LLNL-11/01/1997-I0006-0008-A</b></p> <p>"LLNL does not have a common site-wide, integrated work planning and control process or mechanism that encompasses all site activities and effectively applies the core functions of integrated safety management appropriate to the level of hazard. Although some work activities are well defined and hazards are adequately controlled, other activities are not effectively controlled; and mechanisms are not established to</p>	07/01/99
<p><b>Action: LLNL-11/01/1997-I0006-0009-A</b></p> <p>"LLNL does not have a common site-wide, integrated work planning and control process or mechanism that encompasses all site activities and effectively applies the core functions of integrated safety management appropriate to the level of hazard. Although some work activities are well defined and hazards are adequately controlled, other activities are not effectively controlled; and mechanisms are not established to</p>	07/01/99
<p><b>Action: LLNL-11/01/1997-I0006-0011-A</b></p> <p>"LLNL does not have a common site-wide, integrated work planning and control process or mechanism that encompasses all site activities and effectively applies the core functions of integrated safety management appropriate to the level of hazard. Although some work activities are well defined and hazards are adequately controlled, other activities are not effectively controlled; and mechanisms are not established to</p>	05/01/99
<p><b>Action: LLNL-11/01/1997-I0006-0012-A</b></p> <p>"LLNL does not have a common site-wide, integrated work planning and control process or mechanism that encompasses all site activities and effectively applies the core functions of integrated safety management appropriate to the level of hazard. Although some work activities are well defined and hazards are adequately controlled, other activities are not effectively controlled; and mechanisms are not established to</p>	12/15/98
<p><b>Action: LLNL-11/01/1997-I0006-0013-A</b></p>	

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<p>"LLNL does not have a common site-wide, integrated work planning and control process or mechanism that encompasses all site activities and effectively applies the core functions of integrated safety management appropriate to the level of hazard. Although some work activities are well defined and hazards are adequately controlled, other activities are not effectively controlled; and mechanisms are not established to</p> <p><b>Action: LLNL-11/01/1997-I0006-0014-A</b></p>	05/01/99
<p>"LLNL does not have a common site-wide, integrated work planning and control process or mechanism that encompasses all site activities and effectively applies the core functions of integrated safety management appropriate to the level of hazard. Although some work activities are well defined and hazards are adequately controlled, other activities are not effectively controlled; and mechanisms are not established to</p> <p><b>Action: LLNL-11/01/1997-I0006-0015-A</b></p>	05/01/99
<p>"LLNL does not have a common site-wide, integrated work planning and control process or mechanism that encompasses all site activities and effectively applies the core functions of integrated safety management appropriate to the level of hazard. Although some work activities are well defined and hazards are adequately controlled, other activities are not effectively controlled; and mechanisms are not established to</p> <p><b>Action: LLNL-11/01/1997-I0006-0017-A</b></p>	05/01/99
<p>"LLNL does not have a common site-wide, integrated work planning and control process or mechanism that encompasses all site activities and effectively applies the core functions of integrated safety management appropriate to the level of hazard. Although some work activities are well defined and hazards are adequately controlled, other activities are not effectively controlled; and mechanisms are not established to</p> <p><b>Action: LLNL-11/01/1997-I0006-0018-A</b></p>	12/01/98
<p>"LLNL does not have a common site-wide, integrated work planning and control process or mechanism that encompasses all site activities and effectively applies the core functions of integrated safety management appropriate to the level of hazard. Although some work activities are well defined and hazards are adequately controlled, other activities are not effectively controlled; and mechanisms are not established to</p> <p><b>Issue: Performance Metrics are not Challenging Some of the performance measures in the UC contract are vague...</b></p> <p><b>Action: LLNL-11/01/1997-I0004-0001-A</b></p>	09/30/99
<p>"Some of the performance measures in the UC contract are vague and not sufficiently challenging. The UC contract that became effective in October 1997 contains some performance metrics in Appendix F that are vague, and some of the related gradients (rating system) are not sufficiently challenging to achieve continuous improvement in LLNL safety performance. For the criteria of hazards analysis, LLNL "meets</p> <p><b>Action: LLNL-11/01/1997-I0004-0002-A</b></p>	07/01/98
<p>"Some of the performance measures in the UC contract are vague and not sufficiently challenging. The UC contract that became effective in October 1997 contains some performance metrics in Appendix F that are vague, and some of the related gradients (rating system) are not sufficiently challenging to achieve continuous improvement in LLNL safety performance. For the criteria of hazards analysis, LLNL "meets</p> <p><b>Action: LLNL-11/01/1997-I0004-0003-A</b></p>	07/01/98

Description	Completion Date
<p>"Some of the performance measures in the UC contract are vague and not sufficiently challenging. The UC contract that became effective in October 1997 contains some performance metrics in Appendix F that are vague, and some of the related gradients (rating system) are not sufficiently challenging to achieve continuous improvement in LLNL safety performance. For the criteria of hazards analysis, LLNL "meets</p> <p><b>Issue: Policy and Leadership Inadequate for Cultural Change Senior management`s expectations for enhancing ...</b></p> <p><b>Action: LLNL-11/01/1997-I0005-0001-A</b></p>	07/01/98
<p>"Senior management's expectations for enhancing safety management have not been effectively incorporated into LLNL policy implementation documents. Senior management's expectations for enhancing safety management have not been effectively incorporated into LLNL policy implementation documents and mechanisms. (sic) Consequently, these expectations have not been integrated into mission activities, work</p> <p><b>Action: LLNL-11/01/1997-I0005-0003-A</b></p>	12/15/98
<p>"Senior management's expectations for enhancing safety management have not been effectively incorporated into LLNL policy implementation documents. Senior management's expectations for enhancing safety management have not been effectively incorporated into LLNL policy implementation documents and mechanisms. (sic) Consequently, these expectations have not been integrated into mission activities, work</p> <p><b>Action: LLNL-11/01/1997-I0005-0005-A</b></p>	07/01/98
<p>"Senior management's expectations for enhancing safety management have not been effectively incorporated into LLNL policy implementation documents. Senior management's expectations for enhancing safety management have not been effectively incorporated into LLNL policy implementation documents and mechanisms. (sic) Consequently, these expectations have not been integrated into mission activities, work</p> <p><b>Action: LLNL-11/01/1997-I0005-0006-A</b></p>	12/15/98
<p>"Senior management's expectations for enhancing safety management have not been effectively incorporated into LLNL policy implementation documents. Senior management's expectations for enhancing safety management have not been effectively incorporated into LLNL policy implementation documents and mechanisms. (sic) Consequently, these expectations have not been integrated into mission activities, work</p> <p><b>Action: LLNL-11/01/1997-I0005-0007-A</b></p>	12/15/98
<p>"Senior management's expectations for enhancing safety management have not been effectively incorporated into LLNL policy implementation documents. Senior management's expectations for enhancing safety management have not been effectively incorporated into LLNL policy implementation documents and mechanisms. (sic) Consequently, these expectations have not been integrated into mission activities, work</p> <p><b>Action: LLNL-11/01/1997-I0005-0008-A</b></p>	07/01/98
<p>"Senior management's expectations for enhancing safety management have not been effectively incorporated into LLNL policy implementation documents. Senior management's expectations for enhancing safety management have not been effectively incorporated into LLNL policy implementation documents and mechanisms. (sic) Consequently, these expectations have not been integrated into mission activities, work</p> <p><b>Site: Los Alamos National Laboratory CSO - DP - Assistant Secreary for Defense Programs</b></p>	07/01/98

## Description

## Completion Date

**Report: Electrical Accident with Injury in Technical Area 21, Tritium Science and Fabrication Facility - 04/01/1996****Issue: JON-01 LANL management needs to formally embrace and support the Facility Management Unit concept to...****Action: LANL-04/01/1996-I0001-0001-A**COMPLETE ACCELERATED FACILITY MANAGEMENT PHASE III SCHEDULE 96-24, 07/29/96  
8-1.**Action: LANL-04/01/1996-I0001-0002-A**

Update for 1998 EH Report: Continue the implementation of the Laboratory Requirements System to include the publication and implementation of the LIRs related facility management and work control. Since January of 1998, LIR 230-030-00.1 for Facility Work Control has been revised and issued to all Laboratory organizations for implementation. Organizations F-9 and ESH has conducted self-assessments of the

**Issue: JON-02 - LANL management needs to reassess the structure of facility line management organizations t...****Action: LANL-04/01/1996-I0002-0001-A**

ASSESSMENT OF FMU 66 SARA HELMICK 05/06/96

**Action: LANL-04/01/1996-I0002-0002-A**

ASSESSMENT OF FMU 70 DENNIS CARATHERS 07/23/96

**Action: LANL-04/01/1996-I0002-0003-A**

ASSESSMENT OF FMU 61 RICH RYDER 09/17/96

**Action: LANL-04/01/1996-I0002-0004-A**

ASSESSMENT OF FMU 67 TOM ALEXANDER 07/23/96

**Action: LANL-04/01/1996-I0002-0005-A**

ASSESSMENT OF 71 SARA HELMICK 01/09/97

**Action: LANL-04/01/1996-I0002-0006-A**

ASSESSMENT OF FMU 78 SARA HELMICK 01/09/97

**Action: LANL-04/01/1996-I0002-0007-A**

ASSESSMENT OF FMU 84 STEVE HANSON 10/01/96

**Action: LANL-04/01/1996-I0002-0008-A**

ASSESSMENT OF FMU 64 TONY STANFORD 09/17/96

**Action: LANL-04/01/1996-I0002-0009-A**

ASSESSMENT OF FMU 76 DAVE POST 01/21/97

**Action: LANL-04/01/1996-I0002-0010-A**

ASSESSMENT OF FMU 75 PETE BUSSOLINI 03/12/97

**Action: LANL-04/01/1996-I0002-0011-A**

ASSIGNMENT OF FMU 73 LISA WOODROW 03/12/97

**Action: LANL-04/01/1996-I0002-0012-A**

ASSESSMENT OF FMU 74 EVELYN MULLEN 12/11/96

**Action: LANL-04/01/1996-I0002-0013-A**

ASSESSMENT OF FMU 81 RON BRODD 10/16/96

**Action: LANL-04/01/1996-I0002-0014-A**

ASSESSMENT OF FMU 62 STEVE McCLEARY 12/11/96

Description	Completion Date
<b>Action: LANL-04/01/1996-I0002-0015-A</b> ASSESSMENT OF FMU 63 TOM TREZONA	01/09/97
<b>Action: LANL-04/01/1996-I0002-0016-A</b> ASSESSMENT OF FMU 72 JULIE WILSON	12/11/96
<b>Action: LANL-04/01/1996-I0002-0017-A</b> ASSESSMENT OF FMU 68 DAN THOMAS	10/25/96
<b>Action: LANL-04/01/1996-I0002-0018-A</b> ASSESSMENT OF FMU 77 LARRY ROWTON	03/07/97
<b>Action: LANL-04/01/1996-I0002-0019-A</b> ASSESSMENT OF FMU 65 THERESA CULL	01/09/97
<b>Action: LANL-04/01/1996-I0002-0020-A</b> ASSESSMENT OF FMU 80 RICHARD FOX	01/09/97
<b>Action: LANL-04/01/1996-I0002-0021-A</b> COMPLETE FMU ASSESSMENT SCHEDULE	03/12/97
<b>Action: LANL-04/01/1996-I0002-0022-A</b> Update for 1998 EH Report: Since January of 1998, LIR 300-00-00.1 for Safe Work Practices, and the revised LIR 230-03-01 for Facility Work Control were issued to all Laboratory organizations for implementation. These LIRS have clarified the roles and responsibilities in regards to facility/building operations and safety for FMUs.	12/24/98
<b>Issue: JON-03 LANL management needs to develop and standardize Laboratory programs that crosscut all the Fa...</b>	
<b>Action: LANL-04/01/1996-I0003-0001-A</b> COMPLETE LABORATORY IMPLEMENTATION REQUIREMENTS FOR WORK CONTROL.	12/04/96
<b>Action: LANL-04/01/1996-I0003-0003-A</b> Update for 1998 EH Report: Since January of 1998, LIR 230-030-00.1 for Facility Work Control has been revised and issued to all Laboratory organizations for implementation. Organizations F-9 and ESH has conducted self-assessments of the work control process at all FMUs on a quarterly basis. These self-assessments covered the five core functions of ISM. These results were given to the Facility Management Council who have made	12/24/98
<b>Issue: JON-04 LANL management needs to assure that Laboratory projects, such as the Waste Stream Correction...</b>	
<b>Action: LANL-04/01/1996-I0004-0001-A</b> PILOT NEW WORK CONTROL PROCESS, INCORPORATE IMPROVEMENT IDENTIFIED IN THE PILOT, SUBMIT THE PROCESS FOR INSTITUTIONAL ACCEPTANCE, IMPLEMENT THE PROCESS THROUGHOUT THE LABORATORY.	03/14/97
<b>Issue: JON-05 LANL management needs to ensure that Laboratory subcontractors are not requested or allowed t...</b>	
<b>Action: LANL-04/01/1996-I0005-0001-A</b> INSTITUTIONALIZE SUBCONTRACTOR ES&H SELECTION CRITERIA FOR INCLUSION IN LABORATORY REQUESTS FOR PROPOSALS/BID PACKAGES.	07/08/97
<b>Action: LANL-04/01/1996-I0005-0002-A</b> STANDARDIZE SUBCONTRACTOR ES&H PROVISIONS FOR INCLUSION IN LABORATORY MAINTENANCE AND CONSTRUCTION SUBCONTRACTS.	07/08/97

Description	Completion Date
<b>Action: LANL-04/01/1996-I0005-0003-A</b> THE INSTITUTIONAL WORK CONTROL PROCESS WILL INCLUDE A FORMAL FIELD CHANGE PROCESS.	03/28/97
<b>Action: LANL-04/01/1996-I0005-0004-A</b> DEVELOP AND IMPLEMENT A COMBINED CONTRACT MANAGEMENT TRAINING PROGRAM FOR FACILITY MANAGERS, CONTRACT ADMINISTRATORS, AND ES&H PERSONNEL	09/18/97
<b>Action: LANL-04/01/1996-I0005-0005-A</b> FORMALIZE A VERIFICATION PROCESS TO BE USED BY THE FACILITY MANAGEMENT ORGANIZATIONS TO ENSURE THAT WORK IS BEING DONE WITHIN SPECIFIED EXPERTISE. THIS WILL BE INCLUDED IN THE OVERALL WORK CONTROL PROCESS.	07/18/97
<b>Action: LANL-04/01/1996-I0005-0006-A</b> COMPLETE ALL CORRECTIVE ACTIONS	09/18/97
<b>Action: LANL-04/01/1996-I0005-0007-A</b> Update for 1998 EH Report: Training in the preparation of work packages to ensure proper scoping of work and subsequent hazard analysis was implemented. A LIR, LIR300.00.04.0 Laboratory Training, on laboratory training was issued in July 1998, this LIR addresses the training and qualification of laboratory workers. Organizations F-9 and ESH conducted self-assessments of the work control process at all Facility <b>Issue: JON-06 LANL management needs to develop a process/procedure to confirm that Laboratory-wide actions,...</b>	
<b>Action: LANL-04/01/1996-I0006-0001-A</b> LABORATORY COMMUNICATIONS WITH LABORATORY EMPLOYEES WILL CONTINUE TO BE HANDLED THROUGH MASTER MANAGEMENT DISTRIBUTION WITH THE ADDITION OF A CONFIRMATION STEP.	02/25/97
<b>Action: LANL-04/01/1996-I0006-0002-A</b> ESH DIVISION WILL UPDATE ES&H POLICY FOR "STOP ACTIVITY" AND "STOP WORK" TO INCLUDE DEFINITIONS, ROLES AND RESPONSIBILITIES FOR ALL LABORATORY CITIZENS.	03/28/97
<b>Action: LANL-04/01/1996-I0006-0003-A</b> BUS DIVISION WILL CLARIFY "STOP ACTIVITY" AND "STOP WORK" PROVISIONS IN CONTRACT LANGUAGE AND WILL IMPLEMENT A PROCEDURE FOR NOTIFICATION OF SUBCONTRACTORS FOR LABORATORY-WIDE ACTIONS, AS APPROPRIATE.	12/20/96
<b>Action: LANL-04/01/1996-I0006-0004-A</b> Update for 1998 EH Report: Training in the preparation of work packages to ensure proper scoping of work and subsequent hazard analysis was implemented. A LIR, LIR300.00.04.0 Laboratory Training, on laboratory training was issued in July 1998, this LIR addresses the training and qualification of laboratory workers. Organizations F-9 and ESH conducted self-assessments of the work control process at all Facility <b>Issue: JON-07 - The AL Manager needs to reassess the extent of the "teaming" approach as it is applied in t...</b>	12/24/98
<b>Action: LANL-04/01/1996-I0007-0001-A</b>	

Description	Completion Date
<p>THE AL ASSISTANT MANAGER FOR TECHNICAL MANAGEMENT AND OPERATIONS AND THE DIRECTOR, PERFORMANCE ASSESSMENT DIVISION WILL REVIEW THE FUNCTIONAL AREA APPRAISAL PROCEDURE TO ENSURE DOE MAINTAINS OBJECTIVITY AND EFFECTIVENESS IN OVERSIGHT. THE PROCEDURE WILL BE REVISED AS NECESSARY TO CLARIFY THAT AL IS THE</p>	09/17/96
<p><b>Issue: JON-08 LANL management needs to assure that the Standing Work Order system is used only on routine, ...</b></p>	
<p><b>Action: LANL-04/01/1996-I0008-0001-A</b></p>	
<p>IMPLEMENT THE INSTITUTIONAL WORK CONTROL PROCESS TO ESTABLISH PROCEDURES FOR MORE RIGOROUS CONTROL OF WORK.</p>	03/28/97
<p><b>Action: LANL-04/01/1996-I0008-0002-A</b></p>	
<p>Update for 1998 EH Report: Since January of 1998, LIR 230-03-00.1 for Facility Work Control was revised and issued to all Laboratory organizations for implementation. Organizations F-9 and ESH has conducted self-assessments of the work control process at all FMUs on a quarterly basis. These self-assessments covered the five core functions of ISM. These results were given to the Facility Management council which have made</p>	12/24/98
<p><b>Issue: JON-10 - Based on other DOE site experience, the AL Manager and the LAAO Area Manager need to reeval...</b></p>	
<p><b>Action: LANL-04/01/1996-I0009-0001-A</b></p>	
<p>THE ASSISTANT AREA MANAGER FOR FACILITY OPERATIONS, LOS ALAMOS AREA OFFICE (LAAO) MET WITH LANL FACILITIES, SECURITY &amp; SAFEGUARDS DIVISION (FSS) TO DISCUSS THE USE OF STANDING WORK ORDERS (SWOS). COMPLETED FEBRUARY 1996.</p>	02/29/96
<p><b>Action: LANL-04/01/1996-I0009-0004-A</b></p>	
<p>THE MANAGER, AL WILL PROVIDE THE TYPE A ACCIDENT INVESTIGATION REPORT TO ALL AL AREA/PROJECT OFFICES WITH A REQUEST TO HAVE ALL CONTRACTORS INCORPORATE LESSONS LEARNED FROM THIS ACCIDENT INTO THEIR ONGOING OPERATIONS. THIS WILL INCLUDE A REVIEW OF SWOS ACROSS THE AL COMPLEX.</p>	10/03/97
<p><b>Action: LANL-04/01/1996-I0009-0005-A</b></p>	
<p>Update for 1998 EH Report: Since January of 1998, LIR 220-01-00.1 for Construction Project Management and LIR 402-10.03 Construction Safety were issued to all Laboratory organizations for implementation. ESH-5 construction inspectors conduct daily ES&amp;H inspections of construction projects.</p>	12/24/98
<p><b>Issue: JON-10 - LANL and JCI management need to develop and standardize Laboratory-wide work planning and c...</b></p>	
<p><b>Action: LANL-04/01/1996-I0010-0001-A</b></p>	
<p>DEVELOP AND IMPLEMENT AN INSTITUTIONAL WORK CONTROL PROCESS</p>	06/17/97
<p><b>Action: LANL-04/01/1996-I0010-0002-A</b></p>	
<p>Update for 1998 EH Report: Since January of 1998, LIR 220-01-00.1 for Construction Project Management and LIR 402-10.03 Construction Safety were issued to all Laboratory organizations for implementation. ESH-5 construction inspectors conduct daily ES&amp;H inspections of construction projects.</p>	12/24/98
<p><b>Issue: JON-11 LANL management needs to ensure that the Laboratory develops, as part of the Laboratory-wide ...</b></p>	
<p><b>Action: LANL-04/01/1996-I0011-0001-A</b></p>	

Description	Completion Date
DEVELOP AND IMPLEMENT INSTITUTIONAL WORK CONTROL PROCESS	06/17/97
<b>Action: LANL-04/01/1996-I0011-0002-A</b>	
Update for 1998 EH Report: Since January of 1998, LIR 230-00-00.1 for Facility Work Control was revised and issued to all Laboratory organizations for implementation. Organizations F-9 and ESH has conducted self-assessments of the work control process at all FMUs on a quarterly basis. These self-assessments covered the five core functions of ISM. These results were given to the Facility Management Council which have made	12/24/98
<b>Issue: JON-12 LANL and JCI management need to revise Laboratory procedures to emphasize the requirement for...</b>	
<b>Action: LANL-04/01/1996-I0012-0001-A</b>	
REVISE PENETRATION PERMIT PROCEDURES	01/24/97
<b>Action: LANL-04/01/1996-I0012-0002-A</b>	
FORMALIZE THE WORK CONTROL PROCESS TO INCLUDE AN INTEGRATED APPROACH TO IDENTIFY THE LOCATION OF UTILITIES OUTSIDE OR INSIDE FACILITIES WHEREVER GROUND BREAKING OR CUTTING INTO WALLS, CEILINGS OR FLOORS IS TO BE PERFORMED.	02/28/97
<b>Action: LANL-04/01/1996-I0012-0003-A</b>	
EVALUATION OF TRAINING PROCEDURES AND EQUIPMENT USED BY JCI FOR UTILITY LOCATES WILL BE MADE TO ASSESS FOR EFFECTIVENESS AND IMPROVEMENTS INITIATED BASED ON FINDINGS.	11/26/96
<b>Action: LANL-04/01/1996-I0012-0004-A</b>	
COMPLETE ALL CORRECTIVE ACTIONS.	03/12/97
<b>Issue: JON-13 - LANL management needs to assess the critical power requirements for Building TA-21-209 and ...</b>	
<b>Action: LANL-04/01/1996-I0013-0001-A</b>	
DEVELOP A PROCEDURE FOR THE INSTALLATION OF TEMPORARY POWER INCLUDING CABLE ROUTING AND SIZING, GROUNDING AND CONNECTION POINTS.	03/28/97
<b>Action: LANL-04/01/1996-I0013-0002-A</b>	
Obtain dedicated emergency power cables for emergency power generators.	08/05/97
<b>Issue: JON-14 JCI management needs to ensure that appropriate personal protective equipment is available an...</b>	
<b>Action: LANL-04/01/1996-I0014-0001-A</b>	
UPDATE JCI ES&H MANUAL TO INCORPORATE CORRECTIVE ACTIVITIES. REVIEW AND REVISE THE JCI ES&H MANUAL SUCH THAT THE REQUIREMENTS FOR PPE ARE CLEARLY DEFINED AND CONFORM TO APPLICABLE OSHA STANDARDS.	02/27/97
<b>Action: LANL-04/01/1996-I0014-0002-A</b>	
IN CONJUNCTION WITH THE NEW LANL WORK CONTROL PROCESS ASSURE THAT THE HAZARD ASSESSMENT PROCESS IDENTIFIES REQUIRED PPE AT THE TASK LEVEL.	03/28/97
<b>Action: LANL-04/01/1996-I0014-0003-A</b>	
ASSESS NEW JCI ES&H MANUAL REQUIREMENTS AND ASSURE THAT INVENTORY IS APPROPRIATE.	07/16/97
<b>Action: LANL-04/01/1996-I0014-0004-A</b>	

Description	Completion Date
<p>Update for 1998 EH Report: Since January of 1998, LIR 230-030-00.1 for Facility Work Control has been revised and issued to all Laboratory organizations and JCNNM for implementation. Organizations F-9 and ESH has conducted self-assessments of the work control process at all FMUs on a quarterly basis. These self-assessments covered the five core functions of ISM. These results were given to the FMC which have made</p>	12/24/98
<p><b>Issue: JON-15 JCI management needs to ensure that all personal protective equipment is tested in accordance...</b></p>	
<p><b>Action: LANL-04/01/1996-I0015-0001-A</b></p>	
<p>JCI WILL RE-EVALUATE REQUIREMENTS FOR TESTING OF OTHER TYPES OF PPEs (E.G. SAFETY BELTS AND HARNESSSES) TO ENSURE APPROPRIATE TESTING IS PERFORMED.</p>	12/24/96
<p><b>Action: LANL-04/01/1996-I0015-0002-A</b></p>	
<p>JCI WILL DEVELOP A DATA BASE TO IMPROVE THE TRACKING OF INSPECTION AND TESTING OF PPE.</p>	01/30/97
<p><b>Issue: JON-16 LANL management needs to develop and complete implementation of a formal electrical safety pr...</b></p>	
<p><b>Action: LANL-04/01/1996-I0016-0001-A</b></p>	
<p>LANL WILL FORMALIZE THE ELECTRICAL SAFETY PROGRAM TO REFLECT EXISTING COMPONENTS (E.G. ELECTRICAL INSPECTION PROGRAM, ELECTRICAL AUTHORITY HAVING JURISDICTION, ELECTRICAL SAFETY COMMITTEE).</p>	01/08/97
<p><b>Action: LANL-04/01/1996-I0016-0002-A</b></p>	
<p>LANL WILL STRENGTHEN THE ELECTRICAL SAFETY PROGRAM BY FURTHER EVALUATION OF THE PROGRAM AGAINST THE DOE MODEL ELECTRICAL SAFETY PROGRAM FOR MODIFICATIONS TO PROCEDURES AND IMPLEMENTATION AS NECESSARY.</p>	01/08/97
<p><b>Action: LANL-04/01/1996-I0016-0003-A</b></p>	
<p>Update for 1998 EH Report: In the fall of 1996, LANL established an Electrical Safety Task Force to develop a comprehensive site-wide electrical program at LANL. As a result of that effort a new Electrical Safety LIR 402-600-01 was issued on December 24, 1996, which was discussed and accepted by each of the Division Directors at LANL. The LIR included provisions to establish the Electrical Authority-Having-Jurisdiction (AHJ), for</p>	12/18/98
<p><b>Issue: JON-17 LANL management needs to continue to perform internal assesments to improve the Laboratory's ...</b></p>	
<p><b>Action: LANL-04/01/1996-I0017-0001-A</b></p>	
<p>CONTINUE INDEPENDENT ASSESSMENTS, CONTINUE TRACKING AND FOLLOW-UP FOR CORRECTIVE ACTIONS, CONTINUE PILOT PROGRAM TO PROVIDE MANAGERS WITH INFORMATION REGARDING STATUS OF CORRECTIVE ACTIONS.</p>	07/11/96
<p><b>Issue: JON-18 LANL management needs to analyze data from occurrence reports on a monthly basis, assure imp...</b></p>	
<p><b>Action: LANL-04/01/1996-I0018-0001-A</b></p>	
<p>THE LABORATORY WILL INCLUDE IN THE WORK PLANNING AND EXECUTION FOR02/20/97 FY96 A TRENDING AND LESSONS LEARNED SECTION BASED ON THE FY97 CRITERIA OF THE APPENDIX-F PERFORMANCE MEASURES. THE ASSESSMENT BY LINE AND FACILITY MANAGEMENT OF ROOT CAUSES AND SYSTEMIC CORRECTIVE ACTIONS WILL BE INCLUDED.</p>	02/20/97

Description	Completion Date
<b>Action: LANL-04/01/1996-I0018-0002-A</b> THE LABORATORY WILL IMPLEMENT A REVIEW BY INTERNAL ASSESSMENTS (AA-2) OF SELECTED SAFETY-SIGNIFICANT CORRECTIVE ACTIONS DURING THEIR ROUTINE ASSESSMENTS OF THE LABORATORY'S FACILITY AND MANAGEMENT UNITS.	01/09/97
<b>Action: LANL-04/01/1996-I0018-0003-A</b> Update for 1998 EH Report: Since January of 1998, ORPS corrective actions are incorporated into the I-track system. In addition to tracking the corrective action, the I-Track system identifies target completion dates, responsible parties, and sends electronic messages of dates that are due in 90 days, 60 days and 30 days. If an action target date is not met, the program administrator monitors and follows up with the	07/07/98
<b>Issue: JON-19 The LAAO Area Manager needs to review the assignments and activities of the Facility Represe...</b>	
<b>Action: LANL-04/01/1996-I0019-0002-A</b> THE ASSISTANT AREA MANAGER FOR FACILITY OPERATIONS, LAAO IS REVISING THE FORMAT AND CONTENT OF FR QUARTERLY REPORTS DISCUSSED IN STANDING INSTRUCTION 009 TO DIRECT THE FRS' ATTENTION TO THE MORE SERIOUS SAFETY ISSUES. TARGET DATE: JULY 31, 1996	10/28/97
<b>Issue: JON-21 AL, LAAO, and the Los Alamos EH Residents Office need to track all corrective actions propose...</b>	
<b>Action: LANL-04/01/1996-I0021-0001-A</b> THE DIRECTOR, OSHD WILL UPDATE THE DATABASE FOR TRACKING ACCIDENT INVESTIGATION CORRECTIVE ACTIONS TO REFLECT THE ACTIONS DEVELOPED IN RESPONSE TO THIS ACCIDENT INVESTIGATION.	08/19/97
<b>Action: LANL-04/01/1996-I0021-0002-A</b> THE ASSISTANT AREA MANAGER FOR FACILITY OPERATIONS, LAAO, AND THE DIRECTOR, OSHD, WILL MEET AT LEAST EVERY TWO MONTHS WITH THE CONTRACTOR TO ASCERTAIN PROGRESS OF CORRECTIVE ACTIONS. THE EH SITE RESIDENTS WILL BE INVITED TO PARTICIPATE IN THESE REVIEW MEETING.	08/30/99
<b>Issue: JON-22 JCI management needs to provide aggressive and structured monitoring, oversight, follow-up, a...</b>	
<b>Action: LANL-04/01/1996-I0022-0001-A</b> ENHANCE THE EXISTING DATA BASE THAT DOCUMENTS TRAINING ATTENDANCE AND RETRAINING REQUIREMENTS.	09/27/96
<b>Action: LANL-04/01/1996-I0022-0002-A</b> ESTABLISH A SYSTEM TO ASSURE THAT NEW/REVISED OSHA STANDARDS ARE INTEGRATED INTO THE ES&H MANUAL IN A TIMELY MANNER.	10/31/96
<b>Action: LANL-04/01/1996-I0022-0003-A</b> ESTABLISH PROCEDURES TO INTEGRATE FINDINGS OF SELF-ASSESSMENTS, INTERNAL AND EXTERNAL OVERSIGHT INSPECTIONS, CAIRS AND ORPS, TO PROVIDE CONTINUOUS IMPROVEMENT OF TRAINING PROGRAM, AS WELL AS A SYSTEM TO ENSURE EFFECTIVE INTEGRATION OF SAFETY PROCEDURES INTO TRAINING.	03/28/97
<b>Action: LANL-04/01/1996-I0022-0004-A</b> DEVELOP TRAINING TO THE REVISED AND IMPROVED JCI ES&H MANUAL.	03/31/97

Description	Completion Date
<b>Action: LANL-04/01/1996-10022-0027-A</b>	
Update for 1998 EH Report: Since January of 1998, The JCNNM HSE Manual was revised with an implementation plan issued January 27, 1999. The revision included a review and evaluation of pre-existing procedures to ensure incorporation of applicable DOE and LNL requirements. Training Matrix for implementation for the Manual was incorporated with the implementation plan. The requirement for incorporation of	01/27/99
<b>Issue: JON-23 LANL management needs to evaluate the effectiveness of the implementation of the JCI training...</b>	
<b>Action: LANL-04/01/1996-10023-0001-A</b>	
Update for 1998 EH Report: As part of a FY 99 performance measure, LANL's Training Integration Office (TIO) tracks all of JCNNM's critical training plans and some of their non-critical training plans to ensure the required institutional training has taken place. Additional training plans will be added to the tracking system as part of the FY2000 performance measures requirements. JCNNM, in collaboration with TIO has piloted two	10/01/98
<b>Action: LANL-04/01/1996-10023-0002-A</b>	
LANL WILL PARTICIPATE IN THE DEVELOPMENT OF A JCI TRAINING SELF-ASSESSMENT PROGRAM.	01/09/97
<b>Action: LANL-04/01/1996-10023-0003-A</b>	
LANL WILL PARTICIPATE IN AN ASSESSMENT OF THE JCI TRAINING PROGRAM.	02/19/97
<b>Action: LANL-04/01/1996-10023-0004-A</b>	
BASED ON THE BASELINE ASSESSMENT, LANL/JCI WILL JOINTLY DEVELOP PERFORMANCE METRICS TO MEASURE TRAINING EFFECTIVENESS.	03/03/97
<b>Action: LANL-04/01/1996-10023-0005-A</b>	
LANL/JCI WILL CONCLUDE ITS ACTIONS WITH A COMPREHENSIVE ASSESSMENT TO MEASURE IMPROVEMENTS IN THE PERFORMANCE OF JCI WORK.	06/30/97
<b>Issue: JON-24 LANL management needs to implement effective work planning and control procedures and trainin...</b>	
<b>Action: LANL-04/01/1996-10024-0001-A</b>	
Update for 1998 EH Report: One issue from this JON was not considered complete at the time of the January 1998 EH review. This issue concerned the training on the grading process for work control. A self-study course on the grading process was provided through the LANL training organization. This course provided information on the requirements and guidance approach documents, LIR 230-01-02.2 and LIG 230-01-0.20.	09/22/98
<b>Action: LANL-04/01/1996-10024-0003-A</b>	
PROVIDE GRADED REQUIREMENTS FOR EXECUTING WORK TO THE FMUs FOR USE IN DEVELOPING WORK PACKAGE REQUIREMENTS DOCUMENTATION.	02/24/97
<b>Action: LANL-04/01/1996-10024-0004-A</b>	
DEFINE THE QUALIFICATIONS AND TRAINING REQUIRED TO PERFORM THE ABOVE REVIEWS AND ASSESSMENTS; PROVIDE THE TRAINING TO THE APPROPRIATE FM PERSONNEL.	12/24/97
<b>Action: LANL-04/01/1996-10024-0005-A</b>	
ELECTRICAL SAFETY TRAINING IS BEING ENHANCED THROUGH THE FORMALIZATION AND STRENGTHENING OF THE LABORATORY SAFETY PROGRAM. SEE ACTION PLAN #16.	03/28/97

Description	Completion Date
<b>Action: LANL-04/01/1996-I0024-0006-A</b>	
COMPLETE ALL CORRECTIVE ACTIONS	05/01/97
<b>Issue: JON-25 The LAAO Area Manager needs to assure that LAAO personnel are trained in appropriate DOE acci...</b>	
<b>Action: LANL-04/01/1996-I0025-0001-A</b>	
THE ASSISTANT AREA MANAGER FOR FACILITY OPERATIONS, LAAO, AND TWO SENIOR LAAO FACILITY REPRESENTATIVES ATTENDED THE DOE PRINCIPLES OF ACCIDENT INVESTIGATION WORKSHOP FOR CERTIFICATION AS TRAINED DOE ACCIDENT INVESTIGATORS. THESE THREE LAAO INDIVIDUALS NOW SERVE AS THE PRIMARY CONTACTS RESPONSIBLE FOR PRESERVING THE	03/22/96
<b>Action: LANL-04/01/1996-I0025-0002-A</b>	
THE AL MANAGER WILL ENSURE EACH AL AREA OFFICE AND REMOTE-SITE PROJECT OFFICE HAS PERSONNEL FULLY TRAINED IN DOE ACCIDENT INVESTIGATION PRINCIPLES, MAINTAINS A PERSONNEL CONTACT LIST FOR HANDLING ACCIDENT SCENES, AND HAS PROCEDURES FOR PRESERVING THE INTEGRITY OF ACCIDENT SCENES AND EVIDENCE.	04/02/97
<b>Issue: JON-26 - LANL management needs to consider funding for training and certification of Los Alamos Fire...</b>	
<b>Action: LANL-04/01/1996-I0026-0001-A</b>	
Update for 1998 EH Report: Since January of 1998, LANL and LAAO have met with the Los Alamos County Fire Department numerous times to consider funding for training and certification of the emergency medical technicians (EMTs) to administer cardiac medication. On February 1, 1999, Los Alamos County changed the EMT protocols so that the EMTs can administer these cardiac medications.	02/01/99
<b>Action: LANL-04/01/1996-I0026-0002-A</b>	
A Paramedic Program Proposal was developed outlining the costs and considerations to fund an Advanced Life Services/Paramedic service, which would include the certification and administration of cardiac medication.	09/09/99
<b>Action: LANL-04/01/1996-I0026-0003-A</b>	
DOE/LAAO met with Douglas MacDonald, Chief, LAFD; Dr. Hugh Smith of LANL's medical staff (ESH-2); Dr. Zalma of the Los Alamos Medical Center Emergency Room; and Mr. Alex Georgieff, Los Alamos County Administrative Officer to discuss the emergency medical response and to obtain comments on the proposal.	11/23/98
<b>Action: LANL-04/01/1996-I0026-0004-A</b>	
A request was made by Mr. Georgieff for additional information to determine fiscal and contract requirements to establish a Paramedical level of Emergency Medical Providers for the Los Alamos County.	08/17/99
<b>Action: LANL-04/01/1996-I0026-0005-A</b>	
Upon receipt of information from the Los Alamos County, DOE/LAAO will determine whether to pursue this effort and future planning or to cease the initiative.	02/01/99
<b>Issue: JON-27 - LANL management needs to consider funding or contracting for modifications to Protective Te...</b>	
<b>Action: LANL-04/01/1996-I0027-0001-A</b>	
LANL HAS PERFORMED AN ASSESSMENT ON THE 911 SYSTEM AGAINST BEST INDUSTRY PRACTICE. THESE REVIEWS HAVE SHOWN THAT THE SYSTEM HAS ADEQUATE PERSONNEL AND EQUIPMENT TO RECEIVE MULTIPLE CALLS. NO MODIFICATIONS OR IMPROVEMENTS ARE NEEDED AT THIS TIME.	07/11/96

Description	Completion Date
<b>Issue: JON-28 LANL and JCI management need to develop and implement a process to ensure the acceptance of a...</b>	
<b>Action: LANL-04/01/1996-I0028-0001-A</b>	
Update for 1998 EH Report: The primary incentive for safety is the moral imperative for protecting people and the environment. ISM provides for the external reinforcement of safety and environmentally responsible behaviors. At the Laboratory, safety and environmentally responsible behavior includes employee performance appraisals, accountability, awards programs, disciplinary actions and other mechanisms for fostering	01/31/99
<b>Action: LANL-04/01/1996-I0028-0002-A</b>	
LANL WILL DOCUMENT AND DEVELOP AN IMPLEMENTATION SCHEDULE FOR AN ENHANCED SAFETY AWARENESS AND ACCOUNTABILITY SYSTEM.	03/10/97
<b>Action: LANL-04/01/1996-I0028-0003-A</b>	
JCI WILL CONTRACT WITH JMJ ASSOCIATES TO ACHIEVE AN "INJURY FREE" WORK PLACE AND WILL INCORPORATE EXISTING JCI DISCIPLINARY POLICY IN THE CULTURAL CHANGE.	01/07/97
<b>Action: LANL-04/01/1996-I0028-0004-A</b>	
In response to Judgment of Need #28, an implementation schedule was developed (see action #1) and presented to DOE-LAO and DOE-OSHD on 1/10/97 for verification. It was agreed that the schedule satisfied the written corrective action plan, and that the Laboratory had done much more than the written plan required. Thus, AA-1 and DOE representatives agreed that the Laboratory would provide information on the numerous	03/10/97
<b>Issue: JON-29 LANL management needs to change the culture within the Laboratory and JCI by training and enc...</b>	
<b>Action: LANL-04/01/1996-I0029-0001-A</b>	
Update for 1998 EH Report: The primary incentive for safety is the moral imperative for protecting people and the environment. ISM provides for the external reinforcement of safety and environmentally responsible behaviors. At the Laboratory, safety and environmentally responsible behavior includes employee performance appraisals, accountability, awards programs, disciplinary actions and other mechanisms for fostering	01/31/99
<b>Action: LANL-04/01/1996-I0029-0002-A</b>	
REVIEW AND IMPROVE THE ES&H EMPLOYEE CONCERNS PROGRAM.	06/11/97
<b>Action: LANL-04/01/1996-I0029-0003-A</b>	
RESTATE THE LABORATORY POLICY ON RETALIATION FOR DISCLOSURE OF SAFETY-RELATED CONCERNS.	02/18/97
<b>Action: LANL-04/01/1996-I0029-0004-A</b>	
ENGAGE A SAFETY CONSULTANT TO HELP THE LABORATORY BUILD AN ENVIRONMENT THAT ENCOURAGES SAFETY DISCLOSURES.	07/16/96
<b>Action: LANL-04/01/1996-I0029-0005-A</b>	
IDENTIFY AND IMPORT INDUSTRIAL BEST PRACTICES INTO THE LABORATORY.	06/06/97
<b>Action: LANL-04/01/1996-I0029-0006-A</b>	
JCI IS FINALIZING A CONTRACT WITH JMJ ASSOCIATES TO DEVELOP AN "INJURY FREE" WORK ENVIRONMENT. THE PROGRAM INVOLVES GENERAL MANAGER TO FOREMAN LEVEL. PROCUREMENT IS IN PROCESS.	08/31/96
<b>Report: Fatal Shooting Accident During a Limited Scope Performance Test at Los Alamos National Laboratory on... - 03/31/1995</b>	

Description

Completion Date

**Issue: JON-01 PTLA needs to comply fully with DOE 5480.16A, "Firearms Safety", DOE 5632.7A, "Protetive Forc...**

**Action: LANL-03/31/1995-I0001-0001-A**

A MODIFIED OPERATIONAL READINESS EVALUATION (MORE) WAS CONDUCTED. 03/26/96  
THE MORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1

**Issue: JON-01a Risk assessments need to be developed for any new exercises and exercises that currently are...**

**Action: LANL-03/31/1995-I0002-0001-A**

A MODIFIED OPERATIONAL READINESS EVALUATION (MORE) WAS CONDUCTED. 03/26/96  
THE MORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1

**Issue: JON-01b A proper and complete exercise plan needs to be developed and followed for each exercise, an...**

**Action: LANL-03/31/1995-I0003-0001-A**

A MODIFIED OPERATIONAL READINESS EVALUATION (MORE) WAS CONDUCTED. 03/26/96  
THE MORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1

**Issue: JON-01c Procedures need to be developed and implemented for ensuring live and blank ammunition are s...**

**Action: LANL-03/31/1995-I0004-0001-A**

A MODIFIED OPERATIONAL READINESS EVALUATION (MORE) WAS CONDUCTED. 03/26/96  
THE MORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1

**Issue: JON-01d Procedures need to be developed and implemented for removing live ammunition and conducting ...**

**Action: LANL-03/31/1995-I0005-0001-A**

A MODIFIED OPERATIONAL READINESS EVALUATION (MORE) WAS CONDUCTED. 03/26/96  
THE MORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1

**Issue: JON-01e The range master needs to have authority and responsibility for all activities on the live f...**

**Action: LANL-03/31/1995-I0006-0001-A**

A MODIFIED OPERATIONAL READINESS EVALUATION (MORE) WAS CONDUCTED. 03/26/96  
THE MORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1

Description

Completion Date

**Issue: JON-01f LANL needs to verify PTLA adherence to DOE 5480.16A, DOE 5532.7A, and PTLA policies and proc...**

**Action: LANL-03/31/1995-I0007-0001-A**

A MODIFIED OPERATIONAL READINESS EVALUATION (mORE) WAS CONDUCTED. 03/26/96  
THE mORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1

**Issue: JON-02 PTLA's live fire range Safety Assessment and Range Operating Procedures need to include ESS t...**

**Action: LANL-03/31/1995-I0008-0001-A**

A MODIFIED OPERATIONAL READINESS EVALUATION (mORE) WAS CONDUCTED. 03/26/96  
THE mORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1

**Issue: JON-03 PTLA needs to review judgments of need from the Type B Investigation on the January 1, 1990 a...**

**Action: LANL-03/31/1995-I0009-0001-A**

A MODIFIED OPERATIONAL READINESS EVALUATION (mORE) WAS CONDUCTED. 03/26/96  
THE mORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1

**Issue: JON-04 PTLA needs to develop a DOE 5480.19 implementing plan, including a matrix of applicability....**

**Action: LANL-03/31/1995-I0010-0001-A**

A MODIFIED OPERATIONAL READINESS EVALUATION (mORE) WAS CONDUCTED. 03/26/96  
THE mORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1

**Issue: JON-05 Exercise plans need to include evaluation criteria, and exercise evaluators to use the criter...**

**Action: LANL-03/31/1995-I0011-0001-A**

A MODIFIED OPERATIONAL READINESS EVALUATION (mORE) WAS CONDUCTED. 03/26/96  
THE mORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1

**Issue: JON-06 Responsibility for all ESS exercises and performance testing needs to be assigned to a single...**

**Action: LANL-03/31/1995-I0012-0001-A**

A MODIFIED OPERATIONAL READINESS EVALUATION (mORE) WAS CONDUCTED. 03/26/96  
THE mORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1

Description

Completion Date

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**Issue: JON-07 - PTLA needs to ensue that first-aid kits are immediately available during all ESS exercises ...**

**Action: LANL-03/31/1995-I0013-0001-A**

A MODIFIED OPERATIONAL READINESS EVALUATION (MORE) WAS CONDUCTED. 03/26/96  
THE MORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1

**Issue: JON-08 DOE needs to approve specific tactical response plans when the plans differ from responses ta...**

**Action: LANL-03/31/1995-I0014-0001-A**

A MODIFIED OPERATIONAL READINESS EVALUATION (MORE) WAS CONDUCTED. 03/26/96  
THE MORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1

**Issue: JON-09 SRT members need to be qualified with their weapons while wearing their gas masks.**

**Action: LANL-03/31/1995-I0015-0001-A**

A MODIFIED OPERATIONAL READINESS EVALUATION (MORE) WAS CONDUCTED. 03/26/96  
THE MORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1

**Issue: Jon-10 LANL needs to consider this accident as a critical factor in evaluating PTLA's performance, a...**

**Action: LANL-03/31/1995-I0016-0001-A**

A MODIFIED OPERATIONAL READINESS EVALUATION (MORE) WAS CONDUCTED. 03/26/96  
THE MORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1

**Action: LANL-03/31/1995-I0016-0002-A**

A MODIFIED OPERATIONAL READINESS EVALUATION (MORE) WAS CONDUCTED. 03/26/96  
THE MORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1

**Issue: JON-11 LANL needs to increase the weight of ES&H evaluation criteria, including firearms safety crit...**

**Action: LANL-03/31/1995-I0017-0001-A**

A MODIFIED OPERATIONAL READINESS EVALUATION (MORE) WAS CONDUCTED. 03/26/96  
THE MORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1

**Issue: JON-12 LANL needs to conduct firearms safety assessments of the PTLA Protective Force PProgram, using...**

**Description****Completion Date****Action: LANL-03/31/1995-I0018-0001-A**

A MODIFIED OPERATIONAL READINESS EVALUATION (MORE) WAS CONDUCTED. 03/26/96  
THE MORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1

**Issue: JON-13 There needs to be LANL and DOE safety oversight, by qualified personnel, at an appropriate sam...**

**Action: LANL-03/31/1995-I0019-0001-A**

A MODIFIED OPERATIONAL READINESS EVALUATION (MORE) WAS CONDUCTED. 03/26/96  
THE MORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1

**Issue: JON-14 - DOE and contractor oversight assessments of protective force programs need to include evalu...**

**Action: LANL-03/31/1995-I0020-0001-A**

A MODIFIED OPERATIONAL READINESS EVALUATION (MORE) WAS CONDUCTED. 03/26/96  
THE MORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1

**Issue: JON-15 DOE 5480.16A needs to be revised to include further specific guidelines for ESS use and train...**

**Action: LANL-03/31/1995-I0021-0001-A**

A MODIFIED OPERATIONAL READINESS EVALUATION (MORE) WAS CONDUCTED. 03/26/96  
THE MORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1

**Action: LANL-03/31/1995-I0021-0002-A**

A MODIFIED OPERATIONAL READINESS EVALUATION (MORE) WAS CONDUCTED. 03/26/96  
THE MORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1

**Issue: JON-15a There needs to be an explicit requirement that a safety representative from the organization...**

**Action: LANL-03/31/1995-I0022-0001-A**

A MODIFIED OPERATIONAL READINESS EVALUATION (MORE) WAS CONDUCTED. 03/26/96  
THE MORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1

**Issue: JON-15b Dedicated ESS weapons need to be defined as used exclusively for firing blank ammunition and...**

**Action: LANL-03/31/1995-I0023-0001-A**

Description

Completion Date

A MODIFIED OPERATIONAL READINESS EVALUATION (mORE) WAS CONDUCTED. 03/26/96  
THE mORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1  
**Issue: JON-15c The ESS Loaner Program from the Central Training Academy needs to be used for ESS exercises ...**

**Action: LANL-03/31/1995-I0024-0001-A**

A MODIFIED OPERATIONAL READINESS EVALUATION (mORE) WAS CONDUCTED. 03/26/96  
THE mORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1  
**Issue: JON-15d - Dedicated vests need to be used during any ESS exercise. Exercise vests need to be identif...**

**Action: LANL-03/31/1995-I0025-0001-A**

A MODIFIED OPERATIONAL READINESS EVALUATION (mORE) WAS CONDUCTED. 03/26/96  
THE mORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1  
**Issue: JON-15e DOE needs to develop formal training requirements for ESS exercise controllers and firearms ...**

**Action: LANL-03/31/1995-I0026-0001-A**

A MODIFIED OPERATIONAL READINESS EVALUATION (mORE) WAS CONDUCTED. 03/26/96  
THE mORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1  
**Issue: JON-16 Personnel who perform firearms safety oversight need to demonstrate comprehensive knowledge o...**

**Action: LANL-03/31/1995-I0027-0001-A**

A MODIFIED OPERATIONAL READINESS EVALUATION (mORE) WAS CONDUCTED. 03/26/96  
THE mORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1  
**Issue: JON-17 LAAO needs to ensure that applicable requirements such as DOE Orders are conveyed from LAAO t...**

**Action: LANL-03/31/1995-I0028-0001-A**

A MODIFIED OPERATIONAL READINESS EVALUATION (mORE) WAS CONDUCTED. 03/26/96  
THE mORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE  
TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER  
5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF  
PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1  
**Issue: JON-18 All DOE sites that use ESS equipment need to review this report, particularly the judgments o...**

**Action: LANL-03/31/1995-I0029-0001-A**

Description	Completion Date
<p>A MODIFIED OPERATIONAL READINESS EVALUATION (MORE) WAS CONDUCTED. THE MORE TEAM COMPARED THE CONTRACTOR'S DOCUMENTATION PACKAGE TO THE JUDGMENTS OF NEED FROM THE TYPE A INVESTIGATION; DOE ORDER 5480.16A, FIREARMS SAFETY; DOE G 5632.7A-1, GUIDE FOR THE USE OF PROTECTIVE FORCE ENGAGEMENT SIMULATION SYSTEMS; AND DP-1  <b>Report: Forklift Accident at the Los Alamos National Laboratory on November 22, 1995 - 01/01/1996</b></p>	03/26/96
<p><b>Issue: JON-01 Develop and implement a system to provide uniform application of safety requirements and perf...</b></p>	
<p><b>Action: LANL-01/01/1996-I0001-0001-A</b></p>	
<p>THE LABORATORY WILL SUBMIT AN INTEGRATED SAFETY MANAGEMENT PLAN AND AN IMPLEMENTATION PLAN TO DOE IN ACCORDANCE WITH THE GUIDANCE PROVIDED BY DOE AND DNFSB IN 95-2.</p>	12/12/96
<p><b>Issue: JON-02 Ensure that safety policies and procedures are uniformly enforced.</b></p>	
<p><b>Action: LANL-01/01/1996-I0002-0001-A</b></p>	
<p>THE DIRECTOR WILL INSTRUCT THE DIRECTOR OF HUMAN RESOURCES TO DEVELOP AND COMMUNICATE TO ALL MANAGERS GUIDANCE ON THEIR RESPONSIBILITIES FOR REINFORCING AND REWARDING GOOD SAFETY PRACTICES AND FOR TAKING DISCIPLINARY ACTION IN RESPONSE TO SIGNIFICANT SAFETY VIOLATIONS.</p>	10/31/96
<p><b>Action: LANL-01/01/1996-I0002-0002-A</b></p>	
<p>THE DIRECTOR WILL INSTRUCT SENIOR MANAGERS AND PUBLIC AFFAIRS TO ENSURE THAT SUCCESSFUL ES&amp;H ACTIONS AND PROGRAMS AND ES&amp;H DISCIPLINARY ACTIONS RECEIVE APPROPRIATE PUBLICITY. DISCIPLINARY ACTIONS WILL BE AGGREGATED AND REPORTED PERIODICALLY TO ALLOW INDIVIDUAL PRIVACY RIGHTS TO BE MAINTAINED.</p>	10/31/96
<p><b>Action: LANL-01/01/1996-I0002-0003-A</b></p>	
<p>SUPERVISORY TRAINING DEVELOPED IN RESPONSE TO JON-4 OF THE DOE TYPE A ACCIDENT INVESTIGATION BOARD REPORT ON THE 7/11/96 ELECTRICAL ACCIDENT W/INJURY IN BLDG. MPF-14, TA 53, LOS ALAMOS NATIONAL LABORATORY WILL CONTAIN INFORMATION RELATED TO REINFORCEMENT OF GOOD SAFETY PRACTICES &amp; DISCIPLINARY PROCEDURES FOR POOR SAFETY</p>	08/08/97
<p><b>Action: LANL-01/01/1996-I0002-0004-A</b></p>	
<p>COMPLETE MANAGEMENT TRAINING</p>	08/08/97
<p><b>Issue: JON-03 Develop and implement a positive system to ensure that all forklifts are assigned for safety ...</b></p>	
<p><b>Action: LANL-01/01/1996-I0003-0001-A</b></p>	
<p>Update for 1998 EH Report: Reference to LIR sections 4.5 and 4.7 dealing with proficiency instructor and facility manager roles and responsibilities was addressed by revising the LIR in order to clarify respective roles and responsibilities. The proficiency instructor course was enhanced and the evaluation checklist was modified last in January of 1999 to reflect requirements associated with the formality required to identify and</p>	06/30/98
<p><b>Action: LANL-01/01/1996-I0003-0002-A</b></p>	
<p>COMPLETE REVISION OF AR 13-1 FORKLIFT SAFETY, PUBLISH AND DISTRIBUTE.</p>	03/12/97
<p><b>Action: LANL-01/01/1996-I0003-0003-A</b></p>	

Description	Completion Date
<p>CONDUCT A FORKLIFT SAFETY SITE WIDE ASSESSMENT.  <b>Issue: JON-04 Develop and implement a system to control access to forklifts.</b>  <b>Action: LANL-01/01/1996-I0004-0001-A</b></p>	12/16/96
<p>Update for 1998 EH Report: Access control issues identified in the 1998 EH report were determined to be isolated cases and deficiencies at the institutional or divisional level was not evident. This determination was made based on no reports of access control deficiencies from the following sources: proficiency evaluations performed by ESH-5, inspection records, internal self assessments, safety concerns program, management  <b>Action: LANL-01/01/1996-I0004-0002-A</b></p>	06/30/98
<p>REVISE AR 13-1 FORKLIFT SAFETY TO INCLUDE OPTIONS FOR ACCESS CONTROL OF FORKLIFTS.  <b>Issue: JON-05 - Reassess, consistent with manufacturer's recommendations, the desirability of retrofitting f...</b>  <b>Action: LANL-01/01/1996-I0005-0001-A</b></p>	03/12/97
<p>EVALUATION OF THE NEED FOR PERSONAL RESTRAINT SYSTEMS IN FORKLIFTS IS BEING CONDUCTED BY A SUBCONTRACTOR TO LANL WHO PERFORMS MAINTENANCE OF FORKLIFTS ON AN ANNUAL BASIS. RETROFITTING OF FORKLIFTS WITH SEATBELTS IS ONLY DONE WITH MANUFACTURERS CONCURRENCE. AS OF 8/23/96, 6 UNITS HAVE BEEN EQUIPPED WITH  <b>Issue: JON-06 Post on all forklifts data such as ownership, the inspection records, maintenance stickers, a...</b>  <b>Action: LANL-01/01/1996-I0006-0001-A</b></p>	04/14/97
<p>Update for 1998 EH Report: The maintenance subcontractor is responsible for maintaining the data on the forklift inventory, last annual inspection, preventative maintenance performed. The first cycle of inspections by the subcontractor was completed in June 1998. The most recent inspection report dated August 19, 1999 reflects that forklifts are in a comprehensive inventory list, and are current on both annual safety  <b>Action: LANL-01/01/1996-I0006-0002-A</b></p>	06/30/98
<p>A MEMO WAS DISTRIBUTED TO EACH FORKLIFT OWNER REQUIRING THE POSTING OF PLACARDS ON UNITS AND VERIFICATION OF THE POSTING BE SUBMITTED OF A RETURN PHOTO COPY TO ESH-5.  <b>Action: LANL-01/01/1996-I0006-0003-A</b></p>	07/22/97
<p>COMPLETE THE FINAL PHASE FOR VALIDATING THE PLACEMENT OF THE PLACARDS.  <b>Issue: JON-07 Ensure that adequate hazard recognition reviews are performed to identify and preclude practi...</b>  <b>Action: LANL-01/01/1996-I0007-0001-A</b></p>	12/16/96
<p>Update for 1998 EH Report: LANL has taken the following actions from an institutional standpoint to address these EH concerns. Proficiency evaluation training has been enhanced which includes a revision to the evaluation checklist. The revised LIR clarifies this responsibility on behalf of the operator requirements to identify site and facility hazards and controls. The current training for proficiency instructors requires that any  <b>Action: LANL-01/01/1996-I0007-0002-A</b></p>	06/30/98
<p>AR 13-1 WILL BE REVISED TO FURTHER CLARIFY ROLES AND RESPONSIBILITIES FOR THE OPERATOR AND OPERATIONS SUPERVISOR TO RECOGNIZE AND ABATE HAZARDOUS CONDITIONS AND ACTS IN FORKLIFT OPERATIONS</p>	03/12/97

Description	Completion Date
<b>Action: LANL-01/01/1996-I0007-0003-A</b> SEE JON #1 ON INTEGRATED SAFETY MANAGEMENT WHICH ADDRESSES HAZARD IDENTIFICATION.	01/23/97
<b>Issue: JON-08 In developing and implementing the Facility Management Responsibilities, assure complete and ...</b>	
<b>Action: LANL-01/01/1996-I0008-0001-A</b> Update for 1998 EH Report: Complete ISM Milestone #s 31,32,33,33SA, 33A, 33B, 33C to implement safe work practices at the Laboratory. Roles and responsibilities are addressed under the facility management work control process and in the applicable LIRs. Since January of 1998, LIR 230-030-00.1 for Facility Work Control has been revised and issued to all Laboratory organizations for implementation. Organizations F-9	12/24/98
<b>Action: LANL-01/01/1996-I0008-0002-A</b> DEVELOP AN ACCELERATED FM PROGRAM IMPLEMENTATION PLAN 96-29, 1-1.	07/29/96
<b>Action: LANL-01/01/1996-I0008-0003-A</b> DEVELOP BASELINE (REV 0) STANDARDS TO BE USED FOR FACILITY ASSESSMENTS.	03/31/96
<b>Action: LANL-01/01/1996-I0008-0004-A</b> COMPLETE THE FMU ASSESSMENT SCHEDULE. (REFERENCE CORRECTIVE ACTION PLAN NO. 2, ELECTRICAL ACCIDENT WITH INJURY IN BUILDING 209, TECHNICAL AREA 21, LOS ALAMOS NATIONAL LABORATORY, SUBMITTED JULY 8, 1996.)	03/03/97
<b>Report: Independent Oversight Evaluation of Emergency Management Programs Across the DOE Complex (Volume 2: ... - 08/08/1998</b>	
<b>Issue: LANL Emergency Management Program Weaknesses - Weaknesses in the LANL emergency management program i...</b>	
<b>Action: LANL-08/08/1998-I0001-0008-A</b> Weakness 2: The LANL emergency response organization, procedures, and training do not adequately support accurate and prompt classification decision-making during operational emergencies. CORRECTIVE ACTION PLAN AND OBJECTIVE EVIDENCE: Emergency Action Levels (EALs) have been developed for all facilities included in the Hazard Assessment Document. Emergency Management Implementation	10/02/98
<b>Action: LANL-08/08/1998-I0001-0010-A</b> Weakness 4: Protective Action Guides for the public and workers do not adequately address characteristics of the majority of the radiological material handled at LANL. CORRECTIVE ACTION AND OBJECTIVE EVIDENCE : EMPIP #240 entitled Protective Action Guides was updated on 11/2/98. EMPIP #240 Appendix H Page 1 Table 1 addresses the characteristics of radiological material handled at LANL.	11/02/98
<b>Action: LANL-08/08/1998-I0001-0011-A</b> Weakness 5: While considerable emergency management training is being conducted at LANL, LANL emergency management training, drills, and exercises are not being effectively managed to ensure that all members of both facility and site emergency response organizations have received the required training and participated in the drills and exercises. CORRECTIVE ACTION AND OBJECTIVE EVIDENCE: The training	07/31/98
<b>Action: LANL-08/08/1998-I0001-0012-A</b> Weakness 6: LANL's ability to provide quality information to the public during an emergency is impacted by inconsistencies with regard to approval of information to be released, as well as failure to designate trained technical spokespersons to support Media Center Operations. CORRECTIVE ACTION AND OBJECTIVE EVIDENCE: The Public affairs plan and the Community Involvement Office plans were rewritten to provide	05/31/98

**Description****Completion Date**

**Report: Independent Oversight Evaluation of the Environment, Safety and Health Programs at the Los Alamos Na... - 10/01/1996**

**Issue: Corrective Actions Management Program Weaknesses - There is no integrated corrective actions managem...**

**Action: LANL-10/01/1996-I0013-0001-A**

The Laboratory maintains issues management and corrective processes to ensure that important issues (internal and external) are captured and resolved. This includes the Issues Management Tracking Database I-Track, which was implemented in December 1997 and is used throughout the Laboratory to evaluate and prioritize the issues, assign the issues for resolution, track the corrective actions to completion and verify that the

12/16/97

**Issue: DOE and LANL Assessment Program Weaknesses - LANL, LAO, and AL have a variety of assessment program...**

**Action: LANL-10/01/1996-I0012-0001-A**

LANL Response: As defined in the ISM System Description, LAUR-98-2837, Rev. 3, Section 6, management observes the activities of the workforce to ensure they meet activity, facility, and institutional expectations. This includes assessing results, identifying process improvements, taking effective corrective actions, and sharing lessons learned.

06/30/98

Division Directors who own facilities ensure that work within their facility meets facility and

**Issue: ES&H Prioritization Weaknesses - LANL systems for rigorously evaluating and prioritizing ES&H progra...**

**Action: LANL-10/01/1996-I0015-0001-A**

Laboratory program and line managers are responsible for planning work and for ensuring that expectations for safe and environmentally responsible work are incorporated into all work plans and addressed in resource prioritization and allocation. Institutional ES&H functions are funded by G&A (general and administrative) overhead allocations usually made to the Laboratory infrastructure and support divisions.

06/30/98

**Issue: Existing Mechanisms by DOE and LANL Management for Ensuring Accountability for ES&H Performance Are ...**

**Action: LANL-10/01/1996-I0002-0001-A**

LANL Response: At the time of the 1996 EH review, the Laboratory instituted an accountability matrix that linked safety and environmental incidents to consequences. This matrix or an equivalent set of consequences were applied in each of the five major accidents starting with the fatality at the firing range, through the fork lift accident, the jackhammer accident, the microwave accident and concluding with the CMR explosion of

09/29/97

**Issue: Lack of a Comprehensive Site-wide Electrical Safety Program - LANL does not have a comprehensive, si...**

**Action: LANL-10/01/1996-I0006-0001-A**

In the fall of 1996, LANL established an Electrical Safety Task Force to develop a comprehensive site-wide electrical program at LANL. As a result of that effort a new Electrical Safety LIR 402-600-01.1 was issued on December 24, 1996, which was discussed and accepted by each of the Division Directors at LANL. The LIR included provisions to establish the Electrical Authority-Having-Jurisdiction (AHJ), for energized

12/18/98

**Issue: LANL Employee ES&H Concerns Programs Lack Integration - LANL activities, such as the employee hotlin...**

**Action: LANL-10/01/1996-I0017-0001-A**

During the past several years, activities for the Laboratory's employee concerns program have been consolidated in the Occurrence Investigation Group (ESH-7). The LANL Safety Concern Program, which augments the existing ES&H Hotline, and the new LIR-307-01-04.0 was implemented in July 1998 as a key element of Safety Days 1998. To address the perceived reluctance of workers to report safety concerns there was a

02/18/99

Description	Completion Date
<b>Issue: LANL Implementation of Job Specific Training Process is Ineffective - Implementation of Job Specific...</b>	
<b>Action: LANL-10/01/1996-I0014-0001-A</b>	
The Laboratory's Training Integration Office (TIO) established LIR 300.00.04.0, published 02/18/99 on 7/6/98 that replaces, in part, LSS113-13.0 and addresses requirements for training at the institutional, facility and job-specific levels. This LIR complements the requirements in the Integrated Safety Management and Safe Work Practices LIRs. The implementation of the new LIR has resulted in enhancement of the design, development, implementation,	
<b>Issue: LANL Management Systems for Integration and Implementation of Safety Initiatives are not Well-Define...</b>	
<b>Action: LANL-10/01/1996-I0001-0001-A</b>	
Established and implemented a documented Integrated Safety Management (ISM) system that defines the major elements of a sound safety system, integrates safety into all work done at the Laboratory, includes detailed tactics to achieve goals and measures the effectiveness of the implementation. Within two months of the October 1996 issuance of the "Independent Oversight Evaluation of Headquarters and Albuquerque	12/13/96
<b>Issue: Line Management Roles, Responsibilities, and Authorities are not Well-Defined - DOE roles, responsib...</b>	
<b>Action: LANL-10/01/1996-I0009-0001-A</b>	
LANL Response: Roles and responsibilities in safety are defined in detail in the ISM System Description, dated November 1996 in section I.B and in LAUR-98-2837, Rev. 2 and Rev.3, Section 3. The ISM document first addresses R&R determined by the individual's position in the safety and environmentally responsible line-management chain, while the second part covers organizational roles and related authorities and	12/12/98
<b>Issue: Maintenance Management Program Weaknesses - The establishment and implementation of an effective LAN...</b>	
<b>Action: LANL-10/01/1996-I0007-0001-A</b>	
The Integrated Safety Management System was developed and approved to address the many activities that needed to be integrated and improved in order to deliver an comprehensive safety system for the Laboratory. The development of an improved work control system was also essential to address some of the Judgements of Need from the Jackhammer, Type A accident. The improvements to the work control system are	
<b>Issue: The LANL Site-wide Policy and Program for Planning and Control of Work Activities does not Exist - T...</b>	
<b>Action: LANL-10/01/1996-I0005-0001-A</b>	
To improve the planning and work control activities at LANL, LIR-230-03-01.5 Facility Management Work Control was issued and revised several times (Rev 5 issued 7/1/99). Organizations F-9 and ESH have conducted self-assessments of the work control process at all Facility Management Units on a quarterly basis. These self-assessments covered the five core functions of Integrated Safety Management (ISM) system. These	01/12/99
<b>Report: Type A Accident Investigation Board Report July 11, 1996 Electrical Shock at Technical Area 53, Bull... - 08/01/1996</b>	
<b>Issue: JON-01 LANL needs to assure that strong and publicized consequences for poor safety performance are ...</b>	
<b>Action: LANL-08/01/1996-I0001-0001-A</b>	
THE DIRECTOR WILL INSTRUCT THE DIRECTOR OF HUMAN RESOURCES TO DEVELOP AND COMMUNICATE TO ALL MANAGERS GUIDANCE ON THEIR RESPONSIBILITIES FOR REINFORCING AND REWARDING GOOD SAFETY PRACTICES AND FOR TAKING DISCIPLINARY ACTION IN RESPONSE TO SIGNIFICANT SAFETY VIOLATIONS.	10/31/96

Description	Completion Date
<b>Action: LANL-08/01/1996-I0001-0002-A</b> THE DIRECTOR WILL INSTRUCT SENIOR MANAGERS AND PUBLIC AFFAIRS TO ENSURE THAT SUCCESSFUL ES&H ACTIONS AND PROGRAMS AND ES&H DISCIPLINARY ACTIONS RECEIVE APPROPRIATE PUBLICITY. DISCIPLINARY ACTIONS WILL BE AGGREGATED AND REPORTED PERIODICALLY TO ALLOW INDIVIDUAL PRIVACY RIGHTS TO BE MAINTAINED.	10/31/96
<b>Action: LANL-08/01/1996-I0001-0003-A</b> THE SUPERVISORY TRAINING DEVELOPED IN RESPONSE TO JON 4 WILL CONTAIN INFORMATION RELATED TO REINFORCEMENT OF GOOD SAFETY PRACTICES AND DISCIPLINARY PROCEDURES FOR POOR SAFETY PERFORMANCE.	07/31/96
<b>Action: LANL-08/01/1996-I0001-0004-A</b> COMPLETION OF MANAGEMENT TRAINING.	07/31/97
<b>Issue: JON-02 LANL needs to promptly implement corrective actions to address the lessons learned from this ...</b>	
<b>Action: LANL-08/01/1996-I0002-0001-A</b> PUBLISH OCCURRENCE-RELATED INFORMATION IN THE NEWSBULLETIN. THE CONTENT WILL BE DESIGNED TO REACH ALL MEMBERS OF THE LABORATORY COMMUNITY, AND PROMPT THEM TO APPLY THE LESSONS LEARNED FROM REAL OPERATING EXPERIENCE IN THEIR OWN WORKPLACE.	09/01/96
<b>Action: LANL-08/01/1996-I0002-0002-A</b> PRODUCE A VIDEO DOCUMENTARY ABOUT THE FOUR RECENT ACCIDENTS AT THE LABORATORY. THE FOCUS OF THIS PRODUCTION WILL BE TO FOSTER EMPLOYEE AWARENESS AND TO PRECIPITATE IMPLEMENTATION OF SYSTEMIC LESSONS LEARNED.	07/18/97
<b>Action: LANL-08/01/1996-I0002-0003-A</b> PRODUCE MULTIMEDIA LESSONS LEARNED MATERIAL RELATED TO THE FOUR RECENT ACCIDENTS TO SUPPORT LABORATORY MANAGERS AND SUPERVISORS IN PEER-GROUP SAFETY DISCUSSIONS. MATERIALS WILL BE DEVELOPED TO ASSIST DISCUSSION LEADERS IN DRAWING OUT THE RELEVANCE OF LESSONS LEARNED TO LOCAL WORKSITES.	07/18/97
<b>Action: LANL-08/01/1996-I0002-0004-A</b> Update for 1998 EH Report ESH-7 hired new staff to support and enhance the Lessons Learned Program. The Lessons Learned Program was incorporated into the ISM homepage and linked to the I-Track system. Section 6.3.2 of the Integrated Safety Management System Description (LA-UR-98-2837, Rev 3) specifies how the Safety Concern Program, as an integral part of ISM, requires full participation of workers in	05/07/98
<b>Issue: JON-03 LANL needs to assure the lessons learned are applied across all elements of the Laboratory....</b>	
<b>Action: LANL-08/01/1996-I0003-0001-A</b> AS CORRECTIVE ACTIONS ARE BEING DEVELOPED AND IMPLEMENTED AT TA-53, THEY SHALL BE EVALUATED BY AA FOR EFFECTIVENESS IN ADDRESSING ROOT CAUSES IDENTIFIED BY THE TYPE A INVESTIGATION AND FOR POSSIBLE LAB-WIDE APPLICATIONS. ESH DIVISION WILL COMMUNICATE THE EFFECTIVE PRACTICES TO LABORATORY MANAGERS AND ENSURE INTEGRATION WITH THE	01/29/97

Description	Completion Date
<b>Action: LANL-08/01/1996-10003-0002-A</b>	
EFFECTIVE JULY 1, 1996, THE UNIVERSITY OF CALIFORNIA APPENDIX F PERFORMANCE MEASURES WERE REVISED BASED ON THE LABORATORY'S INPUT TO INCLUDE FORMAL ANNUAL ASSESSMENT BY LINE MANAGEMENT OF OCCURRENCE-RELATED CAUSAL ANALYSIS AND LESSONS-LEARNED INFORMATION. THE OPERATIONS WORKING GROUP ADOPTED A PROCESS TO	07/01/96
<b>Action: LANL-08/01/1996-10003-0003-A</b>	
Update for 1998 EH Report: In July of 1998, the Worker Safety Concern Program was placed on the LANL homepage and included provisions for employee feedback, concerns tracking and manager accountability. The Lessons Learned Program was enhanced and incorporated into the ISM homepage and liked to the I-Track system. Employees receive training in GET about supervisory and employee responsibilities for compliance with AM	07/07/98
<b>Issue: JON-04 Consistent with the conditions of the pilot Oversight Program, AL and LANL need to conduct a ...</b>	
<b>Action: LANL-08/01/1996-10004-0001-A</b>	
THE CORRECTIVE ACTION PLAN WHICH WAS DEVELOPED IN RESPONSE TO THE 01/08/97 JANUARY 17, 1996 ELECTRICAL ACCIDENT WITH INJURY IN BUILDING 209 (FINDING #16) REGARDING THE FORMALIZATION OF LANL'S ELECTRICAL SAFETY PROGRAM IS BEING ACCELERATED TO A COMPLETION DATE OF DECEMBER 1996.	
<b>Action: LANL-08/01/1996-10004-0002-A</b>	
THE LANL ELECTRICAL SAFETY PROGRAM WILL BE RECONSTRUCTED BY A TASK FORCE THAT WILL INCLUDE REPRESENTATION FROM OPERATIONS, FACILITY MANAGERS, AND DOE. ISSUE A CALL FOR CREATION OF THE ELECTRICAL TASK FORCE AND A REQUEST FOR NOMINATIONS.	08/29/96
<b>Action: LANL-08/01/1996-10004-0003-A</b>	
THE TASK FORCE WILL EVALUATE EXISTING REQUIREMENTS AS WELL AS MATERIALS FROM DOE REVIEWS, AUDITS, LESSONS LEARNED, AND RESULTS OF INVESTIGATIONS RECENTLY CONDUCTED AT LANL. AN IMPLEMENT PLAN WILL ALSO BE DEVELOPED.	01/08/97
<b>Action: LANL-08/01/1996-10004-0004-A</b>	
ADDITIONAL LABORATORY REVIEW AND INPUT TO THE RECONSTRUCTED ELECTRICAL SAFETY PROGRAM WILL BE OBTAINED IN ORDER TO ACHIEVE MAXIMUM BUY-IN. SEVERAL METHODS WILL BE UTILIZED, INCLUDING PROCEDURES OF THE POLICY TRANSITION TEAM OF THE OPERATIONAL INTEGRATION OFFICE.	01/08/97
<b>Action: LANL-08/01/1996-10004-0005-A</b>	
ISSUE THE RECONSTRUCTED LANL ELECTRICAL SAFETY PROGRAM AND IMPLEMENTATION PLAN.	01/08/97
<b>Issue: JON-05 LANL needs to develop and implement a comprehensive fitness for duty program for personnel in...</b>	
<b>Action: LANL-08/01/1996-10005-0001-A</b>	
ALL SUPERVISORS AND MANAGERS WILL BE INFORMED OF THE AVAILABILITY OF THE "FITNESS FOR DUTY" MODULE OF THE CORE MANAGERS AND SUPERVISORS TRAINING (CMAST) PROGRAM ON THE WEB.	02/12/97

## Description

## Completion Date

**Action: LANL-08/01/1996-I0005-0002-A**

HR/T&D will inform supervisors of the availability of the Core Managers and Supervisors Training on the web, and the Laboratory will require the completion of this training by July 31, 1997. This training includes the "Fitness for Duty" module and general information related to reinforcement of good safety practices and disciplinary procedures for poor safety performance.

08/08/97

**Action: LANL-08/01/1996-I0005-0003-A**

TRAINING INTEGRATION OFFICE (TIO) WILL ENSURE THAT THESE CORRECTIVE ACTIONS ARE INTEGRATED WITH JON #2, AND TRAINING PROGRAMS, e.g., GET, WILL BE MODIFIED AS APPROPRIATE TO INCORPORATE THIS AND OTHER LESSONS LEARNED TO SENSITIZE EMPLOYEES TO ISSUES THAT CAN POTENTIALLY AFFECT THEIR ABILITY TO WORK SAFETY, THEIR ROLES IN

07/31/97

**Action: LANL-08/01/1996-I0005-0004-A**

Update for 1998 EH Report: New employees learn about the Fitness for Duty program in General Employee Training (Occupational Medicine Module). The training discusses both supervisory and employee responsibilities for complying with fitness-for-duty requirements and refers employees to AM 903, the Fitness for Duty provision of the laboratory administrative manual for additional information. Employees have access to

07/01/98

**Issue: JON-06 AOT management needs to develop a system to routinely monitor the implementation of safety an...**

**Action: LANL-08/01/1996-I0006-0001-A**

THE LEADERSHIP OF ALL AOT GROUPS WILL BE HELD ACCOUNTABLE BY DIVISION MANAGEMENT FOR MAINTAINING A HIGH LEVEL OF CURRENCY IN TRAINING AND WORK CONTROL DOCUMENTATION. THE DIVISION TRAINING OFFICE MAINTAINS TRAINING RECORDS AND WILL PROVIDE MONTHLY WRITTEN REPORTS OF TRAINING STATUS TO THE GROUPS AND THE DIVISION OFFICE.

09/30/96

**Action: LANL-08/01/1996-I0006-0002-A**

THE AOT GROUPS WILL EACH MAINTAIN A LIST OR DATABASE ON WORK CONTROL PROCEDURES SHOWING STATUS.

10/31/96

**Action: LANL-08/01/1996-I0006-0003-A**

THE STATUS OF TRAINING AND WORK PROCEDURES WILL FORM AN ELEMENT OF THE MONTHLY FORMAL REVIEW OF GROUP ACTIVITIES BETWEEN THE GROUP AND DIVISION LEADERSHIP, A PRACTICE IN EFFECT FOR SEPTEMBER 1996 TO MARCH 1997, AND QUARTERLY THEREAFTER.

09/30/96

**Action: LANL-08/01/1996-I0006-0004-A**

THE DIVISION HAS INSTITUTED A MANAGEMENT WALK-AROUND PROGRAM (AOT ESH&P 111-01.01, EFFECTIVE DATE JULY 22, 1996) WHICH PROVIDES GUIDANCE TO DIVISION AND GROUP MANAGERS AND REPRESENTATIVES FOR PROGRAMMATIC ACTIVITY OBSERVATION AND ASSESSMENT. WALKAROUNDS ARE DOCUMENTED AND INCLUDE A FORM TO RECORD OBSERVATIONS.

09/30/96

**Action: LANL-08/01/1996-I0006-0005-A**

THE DIVISION HAS AN OSHA-TYPE WORKPLACE SAFETY INSPECTION PROGRAM (TA-53 STANDARD 53 FMS 111-01.01, EFFECTIVE DATE AUGUST 12, 1996) CONDUCTED BY THE FACILITY MANAGER'S OFFICE AND SUPPORTED BY ESH DIVISION. THE PROGRAM INCLUDES WORKPLACE SAFETY CHECKS MADE INDEPENDENTLY OF LINE SUPERVISION, INCLUDING HAZARD IDENTIFICATION

08/31/96

## Description

## Completion Date

**Issue: JON-07 The AOT Division needs to establish, communicate, and implement safety roles and responsibili...**

**Action: LANL-08/01/1996-I0007-0001-A**

SAFETY ROLES AND RESPONSIBILITIES ARE ESTABLISHED BY LABORATORY POLICY (EMPLOYEE SAFETY COMMITMENT FORM, JULY 15, 1996 [WORKER'S ROLE]; ADMINISTRATIVE MANUAL; ES&H POLICY [LINE MANAGER'S ROLE]; AND DP 124, FACILITY MANAGEMENT). DURING THE JULY SAFETY FIRST DAYS (AND WITH FOLLOWUP FOR ABSENTEES), EACH WORKER MET WITH HIS/HER

09/30/96

**Action: LANL-08/01/1996-I0007-0002-A**

THE DIVISION DIRECTOR HAS HAD QUARTERLY MEETINGS WITH THE STAFF OF EACH GROUP SINCE 1993 AND HAS COMMITTED TO SPEND MORE TIME AT EACH MEETING DISCUSSING SAFETY RESPONSIBILITIES AND GROUP MEMBERS' SAFETY CONCERNS

09/30/96

**Action: LANL-08/01/1996-I0007-0003-A**

NEW AND TRANSIENT EMPLOYEES, CONTRACTORS, AND VISITORS RECEIVE APPROPRIATE TRAINING IN SAFETY ROLES AND RESPONSIBILITIES APPROPRIATE TO THEIR DUTIES BEFORE COMMENCING WORK.

09/30/96

**Action: LANL-08/01/1996-I0007-0004-A**

Update for 1998 EH Report: The Laboratory established and implemented ISM that defines the major elements of a system that integrates safety into all work done at the Laboratory, includes detailed tactics to achieve goals, and measures the effectiveness of the implementation. The Integrated Safety Management Plan that defines safety initiatives and integrates the infrastructure was approved by the Laboratory Director in

12/24/98

**Issue: JON-08 The AOT Division needs to correct deficiencies in the AOT-9 group electrical safety training ...**

**Action: LANL-08/01/1996-I0008-0001-A**

ON JULY 12, 1996, THE LABORATORY SPECIFIED IN DETAIL THE TRAINING REQUIRED BY OCTOBER 31 FOR ENERGIZED ELECTRICAL WORK. SHORTLY THEREAFTER AN ENHANCED ELECTRICAL TRAINING COURSE WAS IMPLEMENTED BY THE LABORATORY. THE DIVISION AND GROUP AOT-9 USE THE REQUIRED COURSES. AOT-9 TRAINING OF ITS ELECTRICAL WORKERS IS

09/30/96

**Action: LANL-08/01/1996-I0008-0002-A**

TRAINING RECORDS OF ALL THE GROUPS ARE REVIEWED MONTHLY WITH GROUPS AND DIVISION OFFICE MANAGEMENT (SEE CORRECTIVE ACTION PLAN #5). TRAINING STATUS OF GROUP ACTIVITIES IS REVIEWED IN MONTHLY MEETINGS WITH DIVISION MANAGEMENT.

08/31/96

**Action: LANL-08/01/1996-I0008-0003-A**

THE DIVISION WILL DEVELOP AND IMPLEMENT A SYSTEM FOR DOCUMENTING ON-THE-JOB ELECTRICAL SAFETY TRAINING.

11/30/96

**Action: LANL-08/01/1996-I0008-0004-A**

Update for 1998 EH Report: LANSCE has established a formal training program as outlined in the TA-53 Training Program Manual. (FMM113-01.02) The program calls for a systematic approach to training for all workers on-site, including OJT. A separate procedure was issued to specify requirements for developing and implementing OJT: (On-the-Job Training 53 FMP 113-01.0). This procedure covers both formal and informal

12/24/98

Description	Completion Date
<b>Issue: JON-09 AOT-9 needs to determine why procedures were not followed and implement necessary controls to ...</b>	
<b>Action: LANL-08/01/1996-I0009-0001-A</b>	
GROUP AOT-9 IS WRITING AND SUBMITTING TO AOT DIVISION OFFICE FOR REVIEW AND IMPLEMENTATION OF CORRECTIVE ACTIONS A SELF-ASSESSMENT REPORT FOR INTERNAL USE ON SUBJECT OCCURRENCE.	12/16/96
<b>Action: LANL-08/01/1996-I0009-0002-A</b>	
THE NECESSARY CORRECTIVE MEASURES ARE BEING INSTITUTED DIVISION-WIDE. THESE INCLUDE THE WORK CONTROL TRACKING SYSTEM DESCRIBED IN CORRECTIVE ACTION PLAN #5, ELECTRICAL WORKER OJT DOCUMENTATION DESCRIBED IN CORRECTIVE ACTION PLAN #7 AND THE SAFETY ROLES COMMUNICATION DESCRIBED IN CORRECTIVE ACTION PLAN #6	10/31/96
<b>Action: LANL-08/01/1996-I0009-0003-A</b>	
Update for 1998 EH Report: Since January of 1998, when the LIR for Safe Work Practices was issued all Laboratory organizations, including LANSCE, participated in Safe Work Practices training and implementation procedures. Validation of the Safe Work Practices LIR implementation was conducted in April 1999	12/24/98
<b>Site: Miamisburg Environmental Management Project CSO - EM - Assistant Secretary for Environmental Management</b>	
<b>Report: Integrated Safety Management Evaluation of the Miamisburg Environmental Management Project - 07/01/1998</b>	
<b>Issue: Assessment and Corrective Action Deficiencies Weaknesses exist in DOE and BWO processes for assessin...</b>	
<b>Action: MEMP-07/01/1998-I0008-0001-A</b>	
BWO-M32.1 - Provide direction to all managers regarding the requirements of procedure MD-10181 to identify root causes of deficiencies identified by independent assessment	09/23/98
<b>Action: MEMP-07/01/1998-I0008-0002-A</b>	
BWO-M32.2 - Assess the Mound Root Cause process and recommend changes to or development of new procedures and/or training programs to strengthen the Root Cause process	09/30/98
<b>Action: MEMP-07/01/1998-I0008-0003-A</b>	
BWO-M32.3 - Add field to CARS database for entry of Root Cause code to facilitate tracking and trending.	09/01/98
<b>Action: MEMP-07/01/1998-I0008-0004-A</b>	
BWO-M59.1 - Revise self-assessment procedure to include expectations for performance of self assessments and management assessments with regard to format, schedules, depth and breadth of assessments. Procedure to require assessment of selected completed corrective actions taken in response to previous safety related deficiencies.	10/01/98
<b>Action: MEMP-07/01/1998-I0008-0005-A</b>	
BWO-M59.2 - Include in the FY99 independent assessment schedule an assessment of the effectiveness of corrective actions taken in response to selected safety related deficiencies.	10/27/98
<b>Action: MEMP-07/01/1998-I0008-0006-A</b>	
BWO-M105.1 - Negotiate Performance Evaluation Plan with DOE with objective criteria to establish accountability against agreed-upon safety expectations.	10/01/98

Description	Completion Date
<b>Action: MEMP-07/01/1998-I0008-0007-A</b>	
BWO-M230.1 - Revise assessment procedures to require routing of all final reports of external assessments to QA&A for further distribution to responsible managers to ensure corrective actions are entered into CARS.	09/23/98
<b>Action: MEMP-07/01/1998-I0008-0008-A</b>	
BWO-M231.1 - Initiate tracking and trending of deficiencies identified as a result of assessments and audits, including but not limited to self assessments, independent assessments, management assessments, and external audits and assessments. Provide quarterly reports to the CRB documenting results of analysis.	07/07/98
<b>Action: MEMP-07/01/1998-I0008-0009-A</b>	
BWO-C107.1 - Senior Radiological Control Management mentor personnel performing self-assessments to ensure a critical evaluation is performed.	09/15/98
<b>Action: MEMP-07/01/1998-I0008-0010-A</b>	
BWO-C114.1 - Revise Lessons Learned Program procedure to: (1) require inclusion of lessons learned from construction, demolition and waste management activities, (2) provide direction on incorporating lessons learned into planning processes for the control and implementation of work activities, (3) formalize the distribution and communication of internal and external lessons learned, and (4) require consideration of lessons learned	09/28/98
<b>Action: MEMP-07/01/1998-I0008-0011-A</b>	
BWO-C135.1 - Modify self assessment process to include tracking of trends and publication of lessons learned (as appropriate).	11/03/98
<b>Action: MEMP-07/01/1998-I0008-0012-A</b>	
MEMP-M296.1 - Provide training to all MEMP staff on the MEMP oversight policy and the MEMP Assessment Procedure.	01/11/99
<b>Action: MEMP-07/01/1998-I0008-0013-A</b>	
MEMP-M296.2 - Perform a documented review of the MEMP Corrective Action Procedure to ensure the MEMP Corrective Action Tracking System (CATS) is used to systematically track issues, monitor corrective action closure, and establish trending information.	03/26/99
<b>Action: MEMP-07/01/1998-I0008-0014-A</b>	
MEMP-M296.3 - Complete implementation of OH Assessment program as specified in the OH Quality Assurance Plan.	01/26/98
<b>Action: MEMP-07/01/1998-I0008-0015-A</b>	
MEMP-M298.1 - Develop and issue MEMP policy restricting assignment of additional administrative duties to qualified Facility Representatives.	10/27/98
<b>Action: MEMP-07/01/1998-I0008-0016-A</b>	
MEMP-M298.2 - Develop and issue OH/MEMP policy on field time expectations for project managers and subject matter experts.	07/01/99
<b>Action: MEMP-07/01/1998-I0008-0018-A</b>	
MEMP-M298.4 - Perform a documented review of the MEMP Assessment Procedure to ensure management expectations are clearly defined.	12/31/98
<b>Action: MEMP-07/01/1998-I0008-0019-A</b>	

Description	Completion Date
MEMP-M300.1 - Perform a documented review of the BWO process for analyzing events which fail to meet ORPS reporting threshold. <b>Action: MEMP-07/01/1998-I0008-0020-A</b>	02/17/99
MEMP-M300.2 - Perform a documented review of the BWO process for tracking and trending RARs. <b>Action: MEMP-07/01/1998-I0008-0021-A</b>	11/15/98
MEMP-M301.1 - Evaluate BWO policy/procedure used for selecting standards and requirements for inclusion in the Mound contract. <b>Action: MEMP-07/01/1998-I0008-0022-A</b>	04/15/99
MEMP-M301.2 - Revise and publish MEMP Assessment Schedule to include S/RID review.	10/06/98
<b>Issue: Emergency Management Deficiencies DOE-MEMP and BWO have not adequately implemented the requirement o...</b>	
<b>Action: MEMP-07/01/1998-I0006-0001-A</b> BWO-M9.1 - Complete site-wide hazards assessment.	09/17/98
<b>Action: MEMP-07/01/1998-I0006-0002-A</b> BWO-M9.2 - Revise Emergency Action Levels	09/17/98
<b>Action: MEMP-07/01/1998-I0006-0003-A</b> BWO-M16.1 - Review previously conducted assessments of Emergency Management, the EH assessment and DOE Secretarial directives following the Hanford explosion incident and develop and implement an Emergency Management Program Improvement Plan to effect necessary corrective actions. <b>Action: MEMP-07/01/1998-I0006-0004-A</b>	08/20/98
BWO-M27.1 - Negotiate with DOE and the City of Miamisburg a mutually acceptable plan to evaluate and correct deficiencies with fire response equipment. <b>Action: MEMP-07/01/1998-I0006-0005-A</b>	01/07/98
BWO-M67.1 - Establish after hours Emergency Notification capability, including authorizing OSCs to classify emergencies in the field. <b>Action: MEMP-07/01/1998-I0006-0006-A</b>	08/27/98
BWO-M68.1 - Conduct a thorough third party independent Emergency Management Program assessment as described in the October 1997 Integrated Mound Facility Assessment (IMFA) <b>Action: MEMP-07/01/1998-I0006-0007-A</b>	09/15/98
BWO-M127.1 - See M16 Issue is addressed as part of the Emergency Management Program Improvement Program <b>Action: MEMP-07/01/1998-I0006-0008-A</b>	08/20/98
BWO-M145.1 - Establish annual staffing plan for Fire Services function. <b>Action: MEMP-07/01/1998-I0006-0009-A</b>	02/10/98
BWO-M314.1 - Reinstitute testing and inspection of fire protection systems. See Emergency Management Program Improvement Plan <b>Action: MEMP-07/01/1998-I0006-0010-A</b>	08/01/98
MEMP-M284.1 - Add performance measures to Performance Evaluation Plan to ensure BWO demonstrates significant improvement in Emergency Management through accomplishment of defined deliverables and performance objectives.	09/25/98

Description	Completion Date
<b>Action: MEMP-07/01/1998-I0006-0011-A</b>	
MEMP-M284.1 - Add performance measures to Performance Evaluation Plan to ensure BWO demonstrates significant improvement in Emergency Management through accomplishment of defined deliverables and performance objectives.	09/25/98
<b>Action: MEMP-07/01/1998-I0006-0012-A</b>	
MEMP-M285.1 - Train DOE Crisis Managers on the Mound Emergency Plan. Specific elements will include EALs, PAGs, event classification, and offsite notifications. Training will consist of exercise table top drills and EOC orientations.	11/19/98
<b>Action: MEMP-07/01/1998-I0006-0014-A</b>	
MEMP-286.2 - Issue the Mound Emergency Plan as required reading for personnel with assigned emergency management duties; verify completion of the required reading.	11/30/98
<b>Action: MEMP-07/01/1998-I0006-0015-A</b>	
MEMP-M286.3 - Perform a documented review of BWO's revised Exercise and Drill schedule to ensure additional performance based drills and exercises are included	10/21/98
<b>Action: MEMP-07/01/1998-I0006-0016-A</b>	
MEMP-M286.4 - Perform a documented review of BWO revised EALs.	12/16/98
<b>Issue: Inadequate Leadership for Safety at Mound - EM, OH and DOE-MEMP, as well as BWO, have not consistent...</b>	
<b>Action: MEMP-07/01/1998-I0005-0041-A</b>	
DOE-EM-HQ: Issue memorandum assigning specific S&H responsibilities to EM/HQ organizations to ensure that ISM is fully implemented, worker concerns are addressed, and policies and procedures are followed. Monitor effective implementation of responsibilities and take all appropriate steps to ensure that they are met.	03/01/99
<b>Issue: Inadequate Leadership for Safety at Mound EM, OH and DOE-MEMP, as well as BWO have not consistently ...</b>	
<b>Action: MEMP-07/01/1998-I0005-0001-A</b>	
BWO-M3.1 - Develop and implement an Integrated Safety Management Communications Plan to familiarize employees with the ISM system and implementing mechanisms.	10/30/98
<b>Action: MEMP-07/01/1998-I0005-0002-A</b>	
BWO-M3.2 - Add oversight of ISM implementation to Compliance Review Board charter.	08/27/98
<b>Action: MEMP-07/01/1998-I0005-0004-A</b>	
BWO-M3.4 - Conduct ?brainstorming? session with Safety Impact Resource Panel to identify actions necessary to reenergize Safety Impact and demon-strate management commitment. (Note: Actions developed will be followed and discussed at subsequent monthly Resource Panel meetings.)	08/27/98
<b>Action: MEMP-07/01/1998-I0005-0005-A</b>	
BWO-M15.1 - Implement the Bioassay Communication Plan as defined in Revised Enhanced Bioassay Program Action Plan. (Ref: J. R. Powers ltr ser. BWO-117-98, to Manager, Ohio Field Office, Revised Enhanced Bioassay Program Action Plan, June 25, 1998)	07/27/98
<b>Action: MEMP-07/01/1998-I0005-0006-A</b>	
BWO-M21.1 - Develop a set of clearly defined expectations for worker involvement in project activity scope definition, hazard analysis, safety plan development, work planning, conduct and lessons learned.	08/08/98

Description	Completion Date
<b>Action: MEMP-07/01/1998-I0005-0007-A</b>	
BWO-M21.2 - Charter a working group lead by a senior Project Manager to assess existing processes and recom-mend actions to implement the expecta-tions developed above.	08/14/98
<b>Action: MEMP-07/01/1998-I0005-0008-A</b>	
BWO-M21.3 - Approve corrective action plan based upon recommendations of working group.	11/03/98
<b>Action: MEMP-07/01/1998-I0005-0009-A</b>	
BWO-M21.4 - Institute frequent Employee meetings with representative groups of employees for the purpose of soliciting employee concerns.	08/02/98
<b>Action: MEMP-07/01/1998-I0005-0010-A</b>	
BWO-M61.1 - Implement the Revised Enhanced Bioassay Program Action Plan. (Ref. J. R. Powers ltr ser. BWO-117-98, to Manager, Ohio Field Office, Revised Enhanced Bioassay Program Action Plan, June 25, 1998)	06/25/98
<b>Action: MEMP-07/01/1998-I0005-0011-A</b>	
BWO-M73.1 - Establish and communicate to all managers a minimum 85% attendance expectation for LST meetings.	09/01/98
<b>Action: MEMP-07/01/1998-I0005-0012-A</b>	
BWO-M106.1 - Review compensation plans for seconded employees to ensure strong linkage to their safety performance.	08/01/98
<b>Action: MEMP-07/01/1998-I0005-0013-A</b>	
BWO-M147.1 - Conduct self assessments of training plan compliance and develop corrective action plans to address areas of noncompliance.	10/19/98
<b>Action: MEMP-07/01/1998-I0005-0014-A</b>	
BWO-M148.1 - Conduct professional development training needs analysis or survey and implement improvements to address the training needs for assigned staff to ensure proficiency is maintained in areas of responsibility. Areas to include, but not limited to, unit/department procedures, site policies/procedures, DOE Orders and Guides, and specific profession-related topics.	03/31/98
<b>Action: MEMP-07/01/1998-I0005-0015-A</b>	
BWO-M151.1 - Complete corrective actions developed in response to contractor independent assessment Q-1540 and associated NTS report	02/24/98
<b>Action: MEMP-07/01/1998-I0005-0016-A</b>	
BWO-M171.A - Conduct an assessment of the long term action plan to review and revise all EG&G procedures to ensure the BWO project management approach is integrated into existing procedures.	09/22/98
<b>Action: MEMP-07/01/1998-I0005-0017-A</b>	
BWO-172.1 - Complete WM Plan Implementation Plan appendix.	08/19/98
<b>Action: MEMP-07/01/1998-I0005-0018-A</b>	
BWO-M171.1 - Conduct an assessment of the long term action plan to review and revise all EG&G procedures to ensure the BWO project management approach is integrated into existing procedures.	09/22/98

Description	Completion Date
<b>Action: MEMP-07/01/1998-I0005-0019-A</b>	
BWO-M179.1 - Develop policy/procedure defining the site Document Hierarchy.	09/01/98
<b>Action: MEMP-07/01/1998-I0005-0020-A</b>	
BWO-M205.1 - Revise Stop Work procedure to describe the process to follow when an employee exercises Stop Work authority, including a process for resuming operations following a decision to proceed with work and communicating lessons learned.	12/14/98
<b>Action: MEMP-07/01/1998-I0005-0021-A</b>	
BWO-M262.1 - Revise the BWO Employee Concerns Program to reflect recent DOE program revisions and initiate a communications program describing DOE Employee Concerns Management Program and its relationship to the BWO Employee Concerns program.	02/01/99
<b>Action: MEMP-07/01/1998-I0005-0022-A</b>	
BWO-M263.1 - Implement a Management by Walking Around (MBWA) program requiring senior management, including the Site Manager, Deputy Assistant Site Manager, and Project and Functional Managers, to spend at least 3 hours per week in the field observing activities.	10/30/98
<b>Action: MEMP-07/01/1998-I0005-0023-A</b>	
BWO-M264.1 - Revise the Compliance Review Board Charter to ensure senior management involvement in the resolution of high-priority safety issues.	09/15/98
<b>Action: MEMP-07/01/1998-I0005-0024-A</b>	
BWO-M303.1 - Develop policy/procedure defining the site Document Hierarchy.	09/01/98
<b>Action: MEMP-07/01/1998-I0005-0025-A</b>	
BWO-C86.1 - Establish a Safety Walkdown Program including participation from supervision, Industrial Safety, and workers for maintenance and project activities.	10/30/98
<b>Action: MEMP-07/01/1998-I0005-0026-A</b>	
BWO-C89.1 - Submit HASPs for chemical disposition activities to DOE for concurrence.	07/22/98
<b>Action: MEMP-07/01/1998-I0005-0027-A</b>	
BWO-C108.1 - Corrective actions per the Radiological Control Source Control Corrective Action Plan.	10/14/98
<b>Action: MEMP-07/01/1998-I0005-0028-A</b>	
BWO-C120.1 - Distribute memo to all employees from Site Manager communicating expectations for procedural compliance.	08/01/98
<b>Action: MEMP-07/01/1998-I0005-0029-A</b>	
BWO-C120.2 - Include procedural compliance assessment as part of the FY99 Management Assessment Program	10/27/98
<b>Action: MEMP-07/01/1998-I0005-0030-A</b>	
BWO-C133.1 - Implement final WM Plan.	08/19/98
<b>Action: MEMP-07/01/1998-I0005-0031-A</b>	
MEMP-259.1 - Develop and issue policy requiring DOE senior managers to attend the Safety Impact/Management Resources Council meetings monthly	11/16/98
<b>Action: MEMP-07/01/1998-I0005-0032-A</b>	

Description	Completion Date
<p>MEMP-M259.2 - MEMP Director will request the Mound Partnership Council to increase their involvement in supporting and sponsoring ISM implementation at Mound.  <b>Action: MEMP-07/01/1998-I0005-0033-A</b></p>	08/20/98
<p>MEMP-261.1 - DOE will increase worker involvement through Safety Impact by recruiting DOE members to form local safety teams.  <b>Action: MEMP-07/01/1998-I0005-0034-A</b></p>	04/14/99
<p>MEMP-M261.2 - Establish a Safety Observer program which involves workers in identifying hazards, adherence to hazard controls, and publish these statistics monthly  <b>Action: MEMP-07/01/1998-I0005-0035-A</b></p>	06/01/99
<p>MEMP-M262.1 - Develop and strategically place posters promoting the Employee Concerns Program throughout the plant site.  <b>Action: MEMP-07/01/1998-I0005-0036-A</b></p>	02/19/99
<p>MEMP-M263.1 - Develop and issue a schedule for senior management walkthroughs for FY99. At least three hours per week, during normal work hours, shall be spent in work areas.  <b>Action: MEMP-07/01/1998-I0005-0037-A</b></p>	10/27/98
<p>MEMP-M263.2 - Revise the MEMP Senior Management Walkthrough Program to the new requirement to perform three hours of walkthroughs weekly and the requirement to log and track the walkthrough findings in the MEMP Corrective Action Tracking System (CATS).  <b>Action: MEMP-07/01/1998-I0005-0038-A</b></p>	10/30/98
<p>MEMP-M264.1 - Implementation of ISM will be identified as a top priority for MEMP at the monthly OH priority meeting.  <b>Action: MEMP-07/01/1998-I0005-0039-A</b></p>	10/07/98
<p>MEMP-M264.2 - A critical element in the Performance Appraisal Plan of DOE management at MEMP will include ISM implementation.  <b>Action: MEMP-07/01/1998-I0005-0040-A</b></p>	12/01/98
<p>MEMP-M264.3 - A BWO/MEMP resource loaded schedule for implementation of ISM at Mound will be developed and issued</p>	03/18/99
<p><b>Issue: Inadequate Work Planning and Control DOE-MEMP and BWO do not have consistent formal procedures and c...</b></p>	
<p><b>Action: MEMP-07/01/1998-I0007-0001-A</b></p>	
<p>BWO-M130.1 - Revise Maintenance procedures to include periodic review of preventive maintenance plan with cognizant Building/Facility Managers</p>	09/30/98
<p><b>Action: MEMP-07/01/1998-I0007-0002-A</b></p>	
<p>BWO-M130.1 - Revise Maintenance procedures to include periodic review of preventive maintenance plan with cognizant Building/Facility Managers</p>	09/30/98
<p><b>Action: MEMP-07/01/1998-I0007-0003-A</b></p>	
<p>BWO-M208.1 - Develop a new policy/procedure or revise an existing one to specify process for Building Manager or designee approval prior to starting work.</p>	10/28/98
<p><b>Action: MEMP-07/01/1998-I0007-0004-A</b></p>	
<p>BWO-C15.1 - ) Review the corrective actions completed in response to this event to determine if the actions fully address both the identified issues and the root cause.</p>	10/19/98

Description	Completion Date
<b>Action: MEMP-07/01/1998-I0007-0005-A</b> BWO-C15.2 - Develop a corrective action plan, if necessary to address the findings of the 10/26/98 assessment of item (1) above.	
<b>Action: MEMP-07/01/1998-I0007-0006-A</b> BWO-C15.3 - Issue a Lessons Learned on this event fully addressing the procedural compliance issues	11/13/98
<b>Action: MEMP-07/01/1998-I0007-0007-A</b> MEMP-M292.1 - Develop and implement OH/MEMP procedure for reviewing and approving project work plans.	02/16/99
<b>Issue: Ineffective Basis for MEMP Nuclear Facilities The authorization basis documents used for many nuclea...</b>	
<b>Action: MEMP-07/01/1998-I0003-0001-A</b> BWO-M4.1 - Develop a procedure for the conduct , documentation and maintenance of site hazards assessments	11/30/98
<b>Action: MEMP-07/01/1998-I0003-0002-A</b> BWO-M4.3 - Develop a safety authorization basis implementation plan for new and revised safety authorization basis documents; including transitioning from SARs/BIOs to ASAs and/or HASPs when downgrading facility hazard categorizations	08/31/98
<b>Action: MEMP-07/01/1998-I0003-0003-A</b> BWO-M4.2 - . Develop General Work Plan and Site Specific Activity Plan documents describing the work control process for project-related work	10/20/98
<b>Action: MEMP-07/01/1998-I0003-0004-A</b> BWO-M5.1 - The statement is accurate. However, subsequent to contract award, BWO?s Integrated Mound Facility Assessment (IMFA), Due Diligence, Chemical Vulnerability Assessment and rebaseline initiatives identified the scope and magnitude of site hazards in sufficient detail.	10/01/97
<b>Action: MEMP-07/01/1998-I0003-0005-A</b> BWO-M6.1 - New BIOs are being submitted to DOE approval per approved schedule	11/30/98
<b>Action: MEMP-07/01/1998-I0003-0006-A</b> BWO-M6.2 - Submit corrective action plan in response to DOE-MEMP USQ Assessment, 07/23/98 to ensure authorization basis documents keep pace with facility and mission changes. (See J. R. Powers ltr to Director MEMP, ser BWO-160/98, Unreviewed Safety Question (USQ) Assessment, July 23, 1998)	07/23/98
<b>Action: MEMP-07/01/1998-I0003-0007-A</b> BWO-M8.1 - Implement Mound Manual MD-10414, Authorization Basis Document - A Development and Implementation Guide.	06/30/98
<b>Action: MEMP-07/01/1998-I0003-0008-A</b> BWO-M146.1 - Establish annual staffing plan for the USQ process, including identification of minimum training and qualification requirements.	10/29/98
<b>Action: MEMP-07/01/1998-I0003-0009-A</b> BWO-C38.1 - Implement new BIOs in accordance with facility-specific BIO implementation plans, including the revision and/or development of facility-specific procedures or mechanisms to clearly define actions required to satisfy Operational Controls.	01/15/98

Description	Completion Date
<b>Action: MEMP-07/01/1998-I0003-0010-A</b>	
MEMP-M279.1 - 1. Form joint DOE and BWO team to consolidate and/or integrate safety documentation processes which addresses preparation, review, approval, and maintenance.	04/18/99
<b>Action: MEMP-07/01/1998-I0003-0012-A</b>	
MEMP-M281.1 - OH and MEMP will expedite review and approval of the remaining draft BIOs which will include appropriate safety analyzes for current activities and relevant operational controls to adequately protect the public, the workers, and the environment.	11/30/99
<b>Issue: Ineffective Identification of Standards and Requirements While progress is being made in developing ...</b>	
<b>Action: MEMP-07/01/1998-I0009-0001-A</b>	
BWO-M33.1 - Establish a Mound Policy/Procedure describing the process by which new/revised DOE Directives are evaluated for impact, including contractual, and that necessary implementation plans are developed and tracked.	09/01/98
<b>Action: MEMP-07/01/1998-I0009-0002-A</b>	
BWO-M33.2 - Include in the annual independent and self assessment schedules compliance assessments of requirements listed in the BWO contract.	10/27/98
<b>Action: MEMP-07/01/1998-I0009-0004-A</b>	
BWO-M169.2 -Develop a procedure for the development, maintenance, revision and implementation of approved standards and requirements, including review of new and revised standards and requirements for applicability and impact.	10/19/98
<b>Issue: Ineffective Systems for Allocating Resources for Safety Site management`s ability to effectively pri...</b>	
<b>Action: MEMP-07/01/1998-I0010-0001-A</b>	
BWO-M34.1 - Validate Baseline 98B.	12/03/98
<b>Action: MEMP-07/01/1998-I0010-0002-A</b>	
BWO-M119.1 - Establish and document enforceable milestones approved by the regulators. Ensure milestones are reflected in the Baseline.	12/14/98
<b>Action: MEMP-07/01/1998-I0010-0003-A</b>	
BWO-M125.1 - Develop and implement a risk-based prioritization methodology for assigning priorities to activities and new conditions not included in the baseline.	10/27/98
<b>Action: MEMP-07/01/1998-I0010-0004-A</b>	
BWO-M307.1 - Ensure adequate resources for ES&H activities are included in FY99 budget.	10/29/98
<b>Action: MEMP-07/01/1998-I0010-0005-A</b>	
BWO-C102.1 - Validate RCT labor estimates in the Bldg. 38 D&D Baseline schedule	10/07/98
<b>Action: MEMP-07/01/1998-I0010-0006-A</b>	
BWO-C102.2 - Review RCT labor estimates in the Main Hill Rad, Main Hill Non-Rad, Test Fire Valley, Main Hill Tritium, Legacy Waste and Soils project baseline schedules.	10/07/98
<b>Action: MEMP-07/01/1998-I0010-0007-A</b>	
BWO-C102.3 - Develop Plan to implement applicable parts of MARSSIM.	10/27/98
<b>Action: MEMP-07/01/1998-I0010-0008-A</b>	

Description	Completion Date
MEMP-M305.1 - The site integrated BWO baseline work scope is undergoing validation by DOE and by an independent review. During validation a representative sample of the assumptions concerning hazards, prioritizing work, and estimates for allocation of safety resources is being reviewed for reasonableness.	12/18/98
<b>Action: MEMP-07/01/1998-I0010-0009-A</b>	
MEMP-M307.1 - Ensure that the MEMP budget submittal includes the ES&H cross-cut which identifies ES&H activities.	04/30/99
<b>Action: MEMP-07/01/1998-I0010-0010-A</b>	
MEMP-M308.1 - Once the baseline is approved, it will be maintained in accordance with the BWO-Project Control System Manual (PCSM). The PCSM will be approved by DOE. Once the PCSM is approved by DOE, all proposed changes to the baseline are evaluated to ensure work is prioritized and ES&H needs are addressed appropriately. Action:	10/30/98
Approve PCSM.	
<b>Action: MEMP-07/01/1998-I0010-0011-A</b>	
MEMP-M309.1 - Identify and document positions "critical to ensuring effective safety performance" at Mound. Review and revise existing position list and Position Descriptions as necessary.	03/19/99
<b>Action: MEMP-07/01/1998-I0010-0012-A</b>	
MEMP-M309.2 - Perform a documented review of current staffing levels for positions identified as "critical to ensuring effective safety performance at Mound" against projected ES&H staffing requirements and identify shortage areas to OH Manager and MEMP Director.	04/29/99
<b>Issue: Ineffective USQD Process within BWO Deficiencies exist within BWO in the application of the unreview...</b>	
<b>Action: MEMP-07/01/1998-I0004-0001-A</b>	
BWO-C36.1 - Incorporate safety authorization basis documents and associated supporting procedures into site configuration index.	11/03/98
<b>Action: MEMP-07/01/1998-I0004-0002-A</b>	
BWO-C129.1 - Establish a USQD process with provision for independent review.	07/23/98
<b>Action: MEMP-07/01/1998-I0004-0003-A</b>	
BWO-C134.1 - Complete a WM BIO Implementation Plan. See C129.	08/31/98
<b>Issue: Lack of Claer DOE Safety Policy for Leasing Properties to Private Companies DOE has not fully develo...</b>	
<b>Action: MEMP-07/01/1998-I0002-0001-A</b>	
MEMP-M50.1 - Install Auto-Dialer for the HH Building Stack Alarm to ensure that the COS Building exhaust system shuts down in the event of a tritium release from HH.	09/10/98
<b>Action: MEMP-07/01/1998-I0002-0004-A</b>	
MEMP-M185.1 - Review Site-Wide Hazards Assessment (which now includes information submitted by the MMCIC) and approve EPZ.	10/29/98
<b>Issue: Weaknesses in the Definition and Understanding of Safety Responsibilities EM, OH, DOE-MEMP and BWO r...</b>	
<b>Action: MEMP-07/01/1998-I0001-0001-A</b>	
BWO-M14.1 Develop an Exit Project QA Plan clearly defining the project's functional manager organizational structure, interfaces and reporting relationships, and defining roles and responsibilities for both project managers and matrixed support staff	10/20/98

Description	Completion Date
<b>Action: MEMP-07/01/1998-I0001-0002-A</b>	
BWO-M14.2 Issue an interim management directive defining the project functional manager organizational structure, interfaces and reporting relationships and defining roles and responsibilities for both project managers, and matrixed support staff.	08/08/98
<b>Action: MEMP-07/01/1998-I0001-0004-A</b>	
BWO-M14.1 Develop an Exit Project QA Plan clearly defining the project/functional manager organizational structure, interfaces and reporting relationships, and defining roles and responsibilities for both project managers and matrixed support staff.	10/20/98
<b>Action: MEMP-07/01/1998-I0001-0005-A</b>	
BWO-M310.1 - Establish and fill position reporting to the Site Manager responsible for all ES&H functions	09/30/98
<b>Action: MEMP-07/01/1998-I0001-0007-A</b>	
MEMP-265.1 - 1. Clearly define the differing responsibilities for OCS and MEMP in the OH Roles and Responsibilities Manual (RRM) and the OH Functions, Authorities, and Responsibilities Manual (FRAM 2)	12/31/98
<b>Action: MEMP-07/01/1998-I0001-0008-A</b>	
MEMP-M265.2 - 2. Cancel MEMP guidance which conflicts with the RRM and FRAM2	11/28/98
<b>Action: MEMP-07/01/1998-I0001-0009-A</b>	
MEMP-M265.3 - 3. Perform a documented review of the MEMP organizational structure to determine if a different structure would be more effective in strengthening line management accountability in a projected environment.	09/23/98
<b>Action: MEMP-07/01/1998-I0001-0010-A</b>	
MEMP-267.1 - 1. The OH Manager will facilitate a reorientation through a retreat with the OCS and MEMP staffs with the RRM and FRAM2 requirements.	11/19/98
<b>Action: MEMP-07/01/1998-I0001-0011-A</b>	
MEMP-267.2 - 2. The MEMP Director will facilitate with the MEMP staff an overview of the contract and the associated roles and responsibilities to ensure that the role in interacting with the contractor, teaming, and assessment of performance effectiveness are clearly delineated.	10/29/98
<b>Action: MEMP-07/01/1998-I0001-0012-A</b>	
MEMP-268.1 - 1. Identify and document positions "critical to ensuring effective safety performance" at Mound.	03/19/99
<b>Action: MEMP-07/01/1998-I0001-0013-A</b>	
MEMP-268.2 - Identify the training needs of the individual assigned to positions identified as "critical to ensuring effective safety performance."	06/01/99
<b>Action: MEMP-07/01/1998-I0001-0014-A</b>	
MEMP-268.3 - Develop and issue a resource loaded training plan for weaknesses identified in the training needs of the individual assigned to positions identified as "critical to ensuring effective safety performance.?"	06/01/99
<b>Action: MEMP-07/01/1998-I0001-0015-A</b>	
MEMP-268.4 - 4. Evaluate need for a formal continuing training program for individuals in positions "critical to ensuring effective safety performance" at Mound.	03/01/99

Description	Completion Date
<b>Action: MEMP-07/01/1998-I0001-0018-A</b>	
MEMP-M270.2 - 2. Perform a documented review of the MEMP Assessment Procedure, and all MEMP policies and procedures identified in Addendum III of the TMP, to ensure that all oversight procedures clearly reflect an emphasis on safety and that all safety performance issues are formally identified, communicated to the contractor, tracked, and corrected. Ensure the procedure encompasses Facility Representatives, Project	07/01/99
<b>Action: MEMP-07/01/1998-I0001-0019-A</b>	
DOE-EM-HQ: Issue memorandum delineating specific roles and responsibilities of EM organizations with regard to safety and health.	03/01/99
<b>Site: Nevada Test Site CSO - DP - Assistant Secretary for Defense Programs</b>	
<b>Report: Focused Safety Management Evaluation of the Nevada Test Site - 04/01/1999</b>	
<b>Issue: DOE Organizational Approach for Approving Work and Overseeing Activities not Adequately Defined The ...</b>	
<b>Action: NTS-04/01/1999-I0001-0002-A</b>	
Develop a DOE/NV Oversight Directive.	08/12/99
<b>Action: NTS-04/01/1999-I0001-0003-A</b>	
Revise DOE/NV P 450.4 ISM Policy Directive.	08/12/99
<b>Action: NTS-04/01/1999-I0001-0004-A</b>	
Develop a DOE/NV Directive System Manual Directive.	08/16/99
<b>Action: NTS-04/01/1999-I0001-0005-A</b>	
Develop a DOE/NV Work Management System Directive/ORG-FRAM Manual.	
<b>Action: NTS-04/01/1999-I0001-0006-A</b>	
Develop a DOE/NV Lessons Learned Policy.	08/13/99
<b>Action: NTS-04/01/1999-I0001-0013-A</b>	
Incorporate the DOE/NV Work Authorization System Contractor Requirements Document (CRD) into WSS, Contracts and agreements as appropriate.	
<b>Issue: NV and BN have not Implemented Effective Mechanisms to Ensure Potential Hazards Identified Other tha...</b>	
<b>Action: NTS-04/01/1999-I0009-0001-A</b>	
Revise TQP Participation List based on updated DOE/NV directives and implementing documents	
<b>Action: NTS-04/01/1999-I0009-0002-A</b>	
Revise the DOE/NV FRAM to appropriately identify clear responsibilities for the review of hazard analyses	
<b>Issue: NV and BN Line Management has not Ensured Personnel Conducting Critical Safety Management Functions ...</b>	
<b>Action: NTS-04/01/1999-I0004-0001-A</b>	
Revise TQP Participation List based on updated DOE/NV Directives and implementing documents.	07/29/99
<b>Action: NTS-04/01/1999-I0004-0002-A</b>	
Develop a DOE/NV Work Authorization Directive.	08/12/99
<b>Action: NTS-04/01/1999-I0004-0003-A</b>	
Develop a DOE/NV Oversight Directive.	08/12/99

Description	Completion Date
<b>Action: NTS-04/01/1999-I0004-0004-A</b> Develop a DOE/NV Self-Assessment Directive	08/12/99
<b>Action: NTS-04/01/1999-I0004-0005-A</b> Develop a DOE/NV Lessons Learned Directive	08/12/99
<b>Action: NTS-04/01/1999-I0004-0006-A</b> Develop a DOE/NV Work Management System Directive/ORG-FRAM	
<b>Issue: NV has not Placed Sufficient Priority on Providing Clear Direction to BN NV has not place sufficient...</b>	
<b>Action: NTS-04/01/1999-I0005-0001-A</b> Re-engineer the process of developing the DP 5-year ES&H Plan	08/16/99
<b>Action: NTS-04/01/1999-I0005-0002-A</b> Revise DOE/NV P 450.4 ISM Policy to address expectations and fee incentives to appropriately balance ES&H priorities.	08/12/99
<b>Action: NTS-04/01/1999-I0005-0003-A</b> Revise DOE/NV FRAM to include DOE/NV staff responsibilities for providing contractor/user organizations clear expectations to appropriately balance ES&H priorities.	
<b>Issue: NV Management Assessment Program does not Focus on Own Activities NV does not have a management asse...</b>	
<b>Action: NTS-04/01/1999-I0012-0001-A</b> Develop a DOE/NV Directive to define an effective approach to self-assessment	08/12/99
<b>Issue: NV not Effectively Utilizing Safety Management Accountability Mechanisms NV is not fully and effectl...</b>	
<b>Action: NTS-04/01/1999-I0003-0001-A</b> Revise DOE/NV 360-employee performance evaluation process to consider employee accountability for safety performance	08/16/99
<b>Action: NTS-04/01/1999-I0003-0002-A</b> Revise DOE/NV P 450.4 to appropriately address expectations for the identification of ISM incentives.	08/12/99
<b>Action: NTS-04/01/1999-I0003-0003-A</b> Revise the DOE/NV FRAM to address DOE/NV responsibility for oversight and feedback to DOE/AL and DOE/OAK on national laboratories safety management performance at the NTS	
<b>Issue: NV Procedures for Monitoring and Overseeing Allocation Funding do not Define Reporting Thresholds Lo...</b>	
<b>Action: NTS-04/01/1999-I0006-0001-A</b> Develop and implement the DOE/NV Contract/User Oversight Directive	08/12/99
<b>Action: NTS-04/01/1999-I0006-0002-A</b> Revise DOE/NV 450.4 ISM Policy Directive to include expectations for ISM integration into business systems	08/12/99
<b>Action: NTS-04/01/1999-I0006-0003-A</b> Implement a work prioritization information reporting process for construction, maintenance, and repair activities that includes DOE/NV involvement in decisions impacting safety	
<b>Action: NTS-04/01/1999-I0006-0004-A</b>	

Description	Completion Date
DOs/CORs will review task plan development, reporting requirements and change control procedures for work under their cognizance to ensure appropriate levels and thresholds are established in accordance with NV M 410.X, Task Plan and Change Control Process.	
<b>Action: NTS-04/01/1999-I0006-0005-A</b>	
Develop a DOE/NV Work Management System Directive/ORG-FRAM Manual to include expectation for DOs/CORs as in 99-6 0003A	
<b>Issue: Safety Management Roles and Responsibilities Associated with Complex Organizational Interfaces not C...</b>	
<b>Action: NTS-04/01/1999-I0002-0001-A</b>	
DOE/NV to review Appendix D, Work Smart Standards, and identify any additional requirements to be included in the DOE/NV Facility Management Policy.	06/28/99
<b>Action: NTS-04/01/1999-I0002-0002-A</b>	
Revise DOE/NV P 450.4, ISM Policy to address safety expectations that relate to facility management.	08/12/99
<b>Action: NTS-04/01/1999-I0002-0003-A</b>	
DOE/NV and BN to review list of additional requirements, identified by DOE, and reconcile any impacts to current BN Facility Management Process.	
<b>Action: NTS-04/01/1999-I0002-0004-A</b>	
DOE/NV to issue a Directive and Contractor Requirements Document (CRD) applying facility management standards to all users.	08/12/99
<b>Action: NTS-04/01/1999-I0002-0005-A</b>	
NV will issue letters to DOE/AL and DOE/OAK requesting that National Laboratory Activity Agreements with DOE/NV be linked to National Laboratory contracts with DOE.	
<b>Action: NTS-04/01/1999-I0002-0006-A</b>	
Verify BN's revision of the FUP process to effectively implement DOE/NV Facility Management Directive (CRD)	
<b>Action: NTS-04/01/1999-I0002-0007-A</b>	
Revise DOE/NV Manual 450.x to provide flexibility for AAs to define operational phases as they exist at a specific facility.	08/16/99
<b>Action: NTS-04/01/1999-I0002-0010-A</b>	
Revise DOE/NV 450.4 ISM Policy Directive to address need to provide National Laboratory performance perspective to DOE/AL and DOE/OAK.	08/12/99
<b>Issue: Waste Examination Facility Began Operations Before Adequate Hazard Analysis Completed and Reviewed -...</b>	
<b>Action: NTS-04/01/1999-I0010-0001-A</b>	
Develop a DOE/NV Work Authorization Directive	08/12/99
<b>Issue: WSSs not Completely Incorporated into BN Work Performance Documents and Execution Plans Although eff...</b>	
<b>Action: NTS-04/01/1999-I0008-0001-A</b>	
Issue DOE/NV Directive on WSS/Change Review Process	
<b>Action: NTS-04/01/1999-I0008-0003-A</b>	
Establish Military Ordnance ID Team.	07/29/99
<b>Action: NTS-04/01/1999-I0008-0004-A</b>	

Description	Completion Date
Resolve Fire Protection Issues. <b>Action: NTS-04/01/1999-I0008-0005-A</b>	
Resolve Occupational Medicine issues <b>Action: NTS-04/01/1999-I0008-0006-A</b>	
Revise DOE/NV P 450.4 ISM Policy to include DOE/NV WSS process. <b>Action: NTS-04/01/1999-I0008-0007-A</b>	
Revise DOE/NV FRAM Roles and Responsibilities for WSS Involvement	
<b>Report: Independent Oversight Evaluation of Emergency Management Programs Across the DOE Complex (Volume 2: S... - 08/01/1998</b>	
<b>Issue: NTS Emergency Management Program Weaknesses DOE-NV, Bechtel Nevada, and site users such as the natio...</b>	
<b>Action: NTS-08/01/1998-I0001-0013-A</b>	
The site Occupational Medical Director and his professional staff are not adequately integrated into the planning and development of a comprehensive site emergency plan.	08/30/99
<b>Action: NTS-08/01/1998-I0001-0016-A</b>	
DOE/NV Identified Program Improvements	08/30/99
<b>Site: Oak Ridge National Laboratory CSO - ER - Office Of Energy Research</b>	
<b>Report: Independent Oversight Evaluation of Emergency Management Programs Across the DOE Complex(Volume 2: S... - 08/01/1998</b>	
<b>Issue: ORNL Emergency Management Program Weaknesses - DOE-OR and ORNL have not implemented an effective eme...</b>	
<b>Action: ORLN-08/01/1998-I0001-0008-A</b>	
Incorporate REP-IP-117, subject "Off-Site Notification," into ORNL procedure LS-41, subject "Notifications of Operational Emergencies". I35876-3	07/30/99
<b>Action: ORLN-08/01/1998-I0001-0012-A</b>	
Evaluate adequacy of health physics instrumentation for the emergency response organization (ERO). I35881-1	10/22/98
<b>Action: ORLN-08/01/1998-I0001-0019-A</b>	
Develop and implement structured training in conduct of operations for the LSS organization. I35877-1	04/23/99
<b>Site: Oak Ridge Y-12 Site CSO - DP - Assistant Secreary for Defense Programs</b>	
<b>Report: Integrated Safety Management Evaluation of the Y-12 Plant - 12/01/1998</b>	
<b>Issue: Insufficient DOE Planning for Safety - OR has not maintained a current strategic plan for accomplish...</b>	
<b>Action: Y-12/01/1998-I0003-0002-A</b>	
Establish a ORO Federal Technical Capability Panel	06/30/99
<b>Site: Pantex Plant CSO - DP - Assistant Secreary for Defense Programs</b>	
<b>Report: Fatality of Security Police Officer Involved in a Physical Fitness Qualification Test on December 16... - 03/01/1996</b>	
<b>Issue: JON-01 Mason &amp; Hanger - Silas Mason Co., Inc. needs to enhance he protective force physical fitness ...</b>	
<b>Action: PP-03/01/1996-I0001-0001-A</b>	
JON-01 Mason & Hanger - Silas Mason Co., Inc. needs to enhance he protective force physical fitness program to ensure: JON-01a - activities of OMD and the fitness specialists are fully integrated to ensure a timely knowledge of each SPO's medical condition and fitness level before medical certification is determined and before the annual qualification test is attempted. JON-01b -SPOs maintain	07/01/98

Description

Completion Date

**Issue: JON-02 Mason & Hanger -Silas Mason Co., Inc. needs to revise and periodically validate emergency res...**

**Action: PP-03/01/1996-I0002-0001-A**

JON-02 Mason & Hanger -Silas Mason Co., Inc. needs to revise and periodically validate 07/01/98 emergency response plans to ensure: JON-02a - Emergencies arising from fitness activities are specifically addressed and responded to in a consistent manner. JON-02b - Effective communications between onsite emergency medical services personnel and personnel administering fitness qualification tests are established.

**Issue: JON-03 DOE should ensue that lessons learned as a result of this and other investigations are commun...**

**Action: PP-03/01/1996-I0003-0001-A**

JON-03 DOE should ensue that lessons learned as a result of this and other 07/01/98 investigations are communicated appropriately and that actions are taken to improve existing programs.

**Issue: JON-04 DOE should evaluate the need for including response by medical evacuation helicopters in emer...**

**Action: PP-03/01/1996-I0004-0001-A**

JON-04 DOE should evaluate the need for including response by medical evacuation 07/01/98 helicopters in emergency response plans and implement appropriate actions.

**Report: Independent Oversight Evaluation of the Environment, Safety and Health Programs at the Pantex Plant... - 10/01/1996**

**Issue: Employee Concern Program Weaknesses Both M&H and AAO employee concern programs` effectiveness suffer...**

**Action: PP-10/01/1996-I0005-0001-A**

Employee Concern Program Weaknesses Both M&H and AAO employee concern programs` effectiveness suffered initially due to program organizational structure and scope. Not all workers are knowledgeable of and have confidence in AAO and M&H employee concern programs. Additionally, there have been past instances where weapons assembly and disassembly workers, upon raising safety questions, found

**Issue: Ineffective Definition and Communication of Safety Responsibilities within DOE-Line Management Roles...**

**Action: PP-10/01/1996-I0007-0001-A**

Ineffective Definition and Communication of Safety Responsibilities within DOE-Line Management Roles and responsibilities for some safety related activities have not been fully documented and communicated within and between DP, AL, and AAO. Within DP, guidance issued for Safety Analysis Report (SAR) development was not effective in ensuring the execution of responsibilities for SAR review and approval. Within AL, the

**Issue: Lack of Focus on ES&H Issues Associated with Nuclear Explosives Operations Within DOE-AL and MHC, nu...**

**Action: PP-10/01/1996-I0003-0001-A**

Lack of Focus on ES&H Issues Associated with Nuclear Explosives Operations Within DOE-AL and MHC, nuclear facility and nuclear explosives operations have not been effectively integrated in the past. Nuclear explosive safety organizations were historically responsible for the safety of nuclear explosive operations to prevent dispersal of special nuclear material in an accident and ES&H organizations were responsible

**Issue: Lack of Fully Developed Authorizatoin Basis Documents MHC lacks fully developed facility authorizatio...**

**Action: PP-10/01/1996-I0002-0001-A**

Lack of Fully Developed Authorizatoin Basis Documents MHC lacks fully developed facility authorization basis documents at Pantex, such as safety analysis reports (SARs) and technical safety requirement (TSR) documents. Progress in updating SARs has been limited by ineffective monitoring by DP and AL of MHC work activities, inconsistent reviews performed by AAO, AL and DP staff, and difficulties experienced

**Description****Completion Date**

**Issue: Weak Safety Accountability within AAO Weaknesses exist within AL and AAO for holding individuals acc...**

**Action: PP-10/01/1996-I0006-0001-A**

Weak Safety Accountability within AAO Weaknesses exist within AL and AAO for holding 04/01/99 individuals accountable for performing assigned safety related responsibilities. The performance of AL and AAO personnel assigned to champion specific objectives in the strategic plan is not measured in a meaningful way, and annual appraisal plans are vague with respect to safety and do not include environmental protection. The

**Site: Rocky Flats Environmental Technology Site CSO - EM - Assistant Secretary for Environmental Management**

**Report: Independent Oversight Evaluation of the Environment, Safety and Health Program at the Rocky Flats En... - 08/01/1995**

**Issue: Degraded Condition of Essential Safety Systems - The Degraded condition of Essential Safety Systems ...**

**Action: RFETS-08/01/1995-I0002-0001-A**

The degraded condition of Essential Safety Systems makes their availability and 02/23/99 capability to prevent or mitigate potential consequences unknown. This condition results from an extensive maintenance backlog, inadequate staffing, spare parts acquisition problems, challengeable program priorities (line management, specifically RFFO, has not given sufficient priority to safety systems and resources), and inadequate funding levels.

**Issue: Fire Protection Program Weaknesses - The capability of the fire protection program to detect and the...**

**Action: RFETS-08/01/1995-I0006-0001-A**

The capability of the Fire Protection Program to detect and then effectively respond to 02/23/99 and neutralize fire related threats and vulnerabilities is suspect. The number of fire protection impairments and resultant fire watches is significantly higher at the Rocky Flats Environmental Technology Site (Site) than at other DOE and industrial facilities and increases the probability that a fire will go undetected and the responses delayed. The

**Issue: Inadequate Staffing Could Adversely Affect Safety - Shortfalls in site staffing could adversely affe...**

**Action: RFETS-08/01/1995-I0008-0001-A**

Shortfalls in site staffing could adversely affect safety performance. Although efforts to 03/19/99 acquire and sustain a competent work force have been initiated, these efforts need to be accelerated by RFFO. Contributing to this shortfall are lack of strategies for recruitment, and retention, authorized positions not being filled, and training programs that do not address identified skill needs.

**Issue: Ineffective Corrective Action Program - The inability of line management to promptly and effectively...**

**Action: RFETS-08/01/1995-I0007-0001-A**

The inability of line management to promptly and effectively implement corrective actions 02/23/99 is hindering improvement of many safety programs. Corrective actions are generally not implemented promptly by the contractor work force nor followed through to ensure the desired results are achieved by RFFO.

**Issue: Radcontrol Program implementation Weaknesses - The radiation control program has yet to be effective...**

**Action: RFETS-08/01/1995-I0004-0001-A**

The Radiological Control Program has yet to be effectively implemented at the floor level 01/01/96 by contractor management. The radiological control program at the Rocky Flats Environmental Technology Site (Site) has the basic program elements in place and the foundation of an effective program has been established. However, weaknesses in implementation (for example, inconsistent implementation of radiological controls, failure

Description	Completion Date
<b>Issue: Unclear DOE Responsibility and Accountability for Safety - Roles, responsibilities, authorities, and...</b>	
<b>Action: RFETS-08/01/1995-10005-0001-A</b>	
Roles, responsibility, authorities, and accountability between EM and RFFO are not fully understood, clearly identified or effectively communicated delaying operational decisions, the sharing of lessons learned, and hindering the implementation of corrective actions. Although roles, responsibilities, authorities, and accountability are generally present and understood in environmental programs, weaknesses are evident within the critical areas	07/29/97
<b>Site: Sandia National Laboratory - Albuquerque CSO - DP - Assistant Secretary for Defense Programs</b>	
<b>Report: Independent Oversight Evaluation of Emergency Management Programs Across the DOE Complex (Volume 2: ... - 08/01/1998</b>	
<b>Issue: SNL Emergency Management Programs Weaknesses - DOE-AL, DOE-KAO, and SNL have not implemented an effe...</b>	
<b>Action: SNLAL-08/01/1998-10001-0001-A</b>	
(A) DOE EH-22 Weakness #1 - Ineffective use of the unified Command System and ineffective command and control in the field resulted in delays in emergency rescue.	12/16/98
<b>Action: SNLAL-08/01/1998-10001-0002-A</b>	
(A) DOE EH-22 Weakness #1 - Ineffective use of the unified Command System and ineffective command and control in the field resulted in delays in emergency rescue.	12/26/98
<b>Action: SNLAL-08/01/1998-10001-0003-A</b>	
(A) DOE EH-22 Weakness #1 - Ineffective use of the unified Command System and ineffective command and control in the field resulted in delays in emergency rescue.	09/29/99
<b>Action: SNLAL-08/01/1998-10001-0004-A</b>	
(A) DOE EH-22 Weakness #1 - Ineffective use of the unified Command System and ineffective command and control in the field resulted in delays in emergency rescue.	08/31/98
<b>Action: SNLAL-08/01/1998-10001-0005-A</b>	
(A) DOE EH-22 Weakness #1 - Ineffective use of the unified Command System and ineffective command and control in the field resulted in delays in emergency rescue.	09/29/99
<b>Action: SNLAL-08/01/1998-10001-0006-A</b>	
(A) DOE EH-22 Weakness #1 - Ineffective use of the unified Command System and ineffective command and control in the field resulted in delays in emergency rescue.	09/01/98
<b>Action: SNLAL-08/01/1998-10001-0007-A</b>	
(A) DOE EH-22 Weakness #1 - Ineffective use of the unified Command System and ineffective command and control in the field resulted in delays in emergency rescue.	12/04/98
<b>Action: SNLAL-08/01/1998-10001-0008-A</b>	
(A) DOE EH-22 Weakness #1 - Ineffective use of the unified Command System and ineffective command and control in the field resulted in delays in emergency rescue.	09/01/98
<b>Action: SNLAL-08/01/1998-10001-0009-A</b>	
(A) DOE EH-22 Weakness #1 - Ineffective use of the unified Command System and ineffective command and control in the field resulted in delays in emergency rescue.	09/29/99
<b>Action: SNLAL-08/01/1998-10001-0010-A</b>	
(A) DOE EH-22 Weakness #1 - Ineffective use of the unified Command System and ineffective command and control in the field resulted in delays in emergency rescue.	01/31/99
<b>Action: SNLAL-08/01/1998-10001-0011-A</b>	

Description	Completion Date
(A) DOE EH-22 Weakness #1 - Ineffective use of the unified Command System and ineffective command and control in the field resulted in delays in emergency rescue. <b>Action: SNLAL-08/01/1998-I0001-0012-A</b>	01/31/99
(A) DOE EH-22 Weakness #1 - Ineffective use of the unified Command System and ineffective command and control in the field resulted in delays in emergency rescue. <b>Action: SNLAL-08/01/1998-I0001-0013-A</b>	01/31/99
(A) DOE EH-22 Weakness #1 - Ineffective use of the unified Command System and ineffective command and control in the field resulted in delays in emergency rescue. <b>Action: SNLAL-08/01/1998-I0001-0014-A</b>	05/31/99
(A) DOE EH-22 Weakness #1 - Ineffective use of the unified Command System and ineffective command and control in the field resulted in delays in emergency rescue. <b>Action: SNLAL-08/01/1998-I0001-0016-A</b>	09/29/99
(A) DOE EH-22 Weakness #1 - Ineffective use of the unified Command System and ineffective command and control in the field resulted in delays in emergency rescue. <b>Action: SNLAL-08/01/1998-I0001-0017-A</b>	09/29/99
(A) DOE EH-22 Weakness #1 - Ineffective use of the unified Command System and ineffective command and control in the field resulted in delays in emergency rescue. <b>Action: SNLAL-08/01/1998-I0001-0018-A</b>	08/31/99
(A) DOE EH-22 Weakness #1 - Ineffective use of the unified Command System and ineffective command and control in the field resulted in delays in emergency rescue. <b>Action: SNLAL-08/01/1998-I0001-0019-A</b>	04/01/99
(A) DOE EH-22 Weakness #2 - AL, KAO and SNL coordination, communication, and interface with external organizations have not been adequate to ensure effective response to emergencies at SNL facilities. <b>Action: SNLAL-08/01/1998-I0001-0020-A</b>	10/27/98
(A) DOE EH-22 Weakness #2 - AL, KAO and SNL coordination, communication, and interface with external organizations have not been adequate to ensure effective response to emergencies at SNL facilities. <b>Action: SNLAL-08/01/1998-I0001-0021-A</b>	09/29/99
(A) DOE EH-22 Weakness #2 - AL, KAO and SNL coordination, communication, and interface with external organizations have not been adequate to ensure effective response to emergencies at SNL facilities. <b>Action: SNLAL-08/01/1998-I0001-0022-A</b>	12/02/98
(A) DOE EH-22 Weakness #2 - AL, KAO and SNL coordination, communication, and interface with external organizations have not been adequate to ensure effective response to emergencies at SNL facilities. <b>Action: SNLAL-08/01/1998-I0001-0023-A</b>	12/15/98
(A) DOE EH-22 Weakness #2 - AL, KAO and SNL coordination, communication, and interface with external organizations have not been adequate to ensure effective response to emergencies at SNL facilities. <b>Action: SNLAL-08/01/1998-I0001-0024-A</b>	12/02/98

Description	Completion Date
(A) DOE EH-22 Weakness #2 - AL, KAO and SNL coordination, communication, and interface with external organizations have not been adequate to ensure effective response to emergencies at SNL facilities. <b>Action: SNLAL-08/01/1998-I0001-0025-A</b>	12/02/98
(A) DOE EH-22 Weakness #2 - AL, KAO and SNL coordination, communication, and interface with external organizations have not been adequate to ensure effective response to emergencies at SNL facilities. <b>Action: SNLAL-08/01/1998-I0001-0027-A</b>	02/05/99
(A) DOE EH-22 Weakness #2 - AL KAO and SNL coordination, communication, and interface with external organizations have not been adequate to ensure effective response to emergencies at SNL facilities. <b>Action: SNLAL-08/01/1998-I0001-0028-A</b>	01/08/99
(A) DOE EH-22 Weakness #2 AL, KAO and SNL coordination, communication, and interface with external organizations have not been adequate to ensure effective response to emergencies at SNL facilities. <b>Action: SNLAL-08/01/1998-I0001-0029-A</b>	04/08/99
(A) DOE EH-22 Weakness #3 The SNL emergency mgmt system does not promote timely, accurate, classification of emergencies/implementation of appropriate protective actions. Emergency classification procedure/EALs were not adequate and were not followed. <b>Action: SNLAL-08/01/1998-I0001-0030-A</b>	01/31/99
(A) DOE EH-22 Weakness #3 The SNL emergency mgmt system does not promote timely, accurate, classification of emergencies/implementation of appropriate protective actions. Emergency classification procedure/EALs were not adequate and were not followed. <b>Action: SNLAL-08/01/1998-I0001-0031-A</b>	05/27/98
(A) DOE EH-22 Weakness #3 The SNL emergency mgmt system does not promote timely, accurate, classification of emergencies/implementation of appropriate protective actions. Emergency classification procedure/EALs were not adequate and were not followed. <b>Action: SNLAL-08/01/1998-I0001-0032-A</b>	06/12/98
(A) DOE EH-22 Weakness #3 The SNL emergency mgmt system does not promote timely, accurate, classification of emergencies/implementation of appropriate protective actions. Emergency classification procedure/EALs were not adequate and were not followed. <b>Action: SNLAL-08/01/1998-I0001-0033-A</b>	09/08/98
(A) DOE EH-22 Weakness #3 The SNL emergency mgmt system does not promote timely, accurate, classification of emergencies/implementation of appropriate protective actions. Emergency classification procedure/EALs were not adequate and were not followed. <b>Action: SNLAL-08/01/1998-I0001-0034-A</b>	09/01/98
(A) DOE EH-22 Weakness #3 The SNL emergency mgmt system does not promote timely, accurate, classification of emergencies/implementation of appropriate protective actions. Emergency classification procedure/EALs were not adequate and were not followed.	01/08/99

Description	Completion Date
<b>Action: SNLAL-08/01/1998-I0001-0035-A</b>	
(A) DOE EH-22 Weakness #3 The SNL emergency mgmt system does not promote timely, accurate, classification of emergencies/implementation of appropriate protective actions. Emergency classification procedure/EALs were not adequate and were not followed.	05/12/99
<b>Action: SNLAL-08/01/1998-I0001-0036-A</b>	
(A) DOE EH-22 Weakness #3 The SNL emergency mgmt system does not promote timely, accurate, classification of emergencies/implementation of appropriate protective actions. Emergency classification procedure/EALs were not adequate and were not followed.	02/11/99
<b>Action: SNLAL-08/01/1998-I0001-0037-A</b>	
(A) DOE EH-22 Weakness #3 The SNL emergency mgmt system does not promote timely, accurate, classification of emergencies/implementation of appropriate protective actions. Emergency classification procedure/EALs were not adequate and were not followed.	04/05/99
<b>Action: SNLAL-08/01/1998-I0001-0038-A</b>	
(A) DOE EH-22 Weakness #3 The SNL emergency mgmt system does not promote timely, accurate, classification of emergencies/implementation of appropriate protective actions. Emergency classification procedure/EALs were not adequate and were not followed.	04/05/99
<b>Action: SNLAL-08/01/1998-I0001-0040-A</b>	
(A) DOE EH-22 Weakness #4 Emergency response organization staffing, procedures and proficiency do not support an effective initial and ongoing emergency response.	02/03/99
<b>Action: SNLAL-08/01/1998-I0001-0041-A</b>	
(A) DOE EH-22 Weakness #4 Emergency response organization staffing, procedures and proficiency do not support an effective initial and ongoing emergency response.	08/31/99
<b>Action: SNLAL-08/01/1998-I0001-0042-A</b>	
(A) DOE EH-22 Weakness #4 Emergency response organization staffing, procedures and proficiency do not support an effective initial and ongoing emergency response.	12/23/98
<b>Action: SNLAL-08/01/1998-I0001-0043-A</b>	
(A) DOE EH-22 Weakness #4 Emergency response organization staffing, procedures and proficiency do not support an effective initial and ongoing emergency response.	01/31/99
<b>Action: SNLAL-08/01/1998-I0001-0044-A</b>	
(A) DOE EH-22 Weakness #4 Emergency response organization staffing, procedures and proficiency do not support an effective initial and ongoing emergency response.	01/31/99
<b>Action: SNLAL-08/01/1998-I0001-0045-A</b>	
(A) DOE EH-22 Weakness #4 Emergency response organization staffing, procedures and proficiency do not support an effective initial and ongoing emergency response.	09/30/98
<b>Action: SNLAL-08/01/1998-I0001-0046-A</b>	
(A) DOE EH-22 Weakness #4 Emergency response organization staffing, procedures and proficiency do not support an effective initial and ongoing emergency response.	04/09/99

Description	Completion Date
<b>Action: SNLAL-08/01/1998-I0001-0047-A</b>	
(A) DOE EH-22 Weakness #4 Emergency response organization staffing, procedures and proficiency do not support an effective initial and ongoing emergency response.	09/30/98
<b>Action: SNLAL-08/01/1998-I0001-0048-A</b>	
(A) DOE EH-22 Weakness #4 Emergency response organization staffing, procedures and proficiency do not support an effective initial and ongoing emergency response.	12/31/98
<b>Action: SNLAL-08/01/1998-I0001-0049-A</b>	
(A) DOE EH-22 Weakness #4 Emergency response organization staffing, procedures and proficiency do not support an effective initial and ongoing emergency response.	12/31/98
<b>Action: SNLAL-08/01/1998-I0001-0050-A</b>	
(A) DOE EH-22 Weakness #4 Emergency response organization staffing, procedures and proficiency do not support an effective initial and ongoing emergency response.	12/02/98
<b>Action: SNLAL-08/01/1998-I0001-0051-A</b>	
(A) DOE EH-22 Weakness #4 Emergency response organization staffing, procedures and proficiency do not support an effective initial and ongoing emergency response.	04/09/99
<b>Action: SNLAL-08/01/1998-I0001-0052-A</b>	
(A) DOE Weakness #5 Weakness in planning, conducting, controlling and evaluating the annual emergency exercise.	09/29/99
<b>Action: SNLAL-08/01/1998-I0001-0053-A</b>	
(A) DOE Weakness #5 Weakness in planning, conducting, controlling and evaluating the annual emergency exercise.	01/31/99
<b>Action: SNLAL-08/01/1998-I0001-0054-A</b>	
(A) DOE Weakness #5 Weakness in planning, conducting, controlling and evaluating the annual emergency exercise.	09/10/98
<b>Action: SNLAL-08/01/1998-I0001-0055-A</b>	
(A) DOE Weakness #5 Weakness in planning, conducting, controlling and evaluating the annual emergency exercise.	11/28/98
<b>Action: SNLAL-08/01/1998-I0001-0056-A</b>	
(A) DOE Weakness #5 Weakness in planning, conducting, controlling and evaluating the annual emergency exercise.	01/31/99
<b>Action: SNLAL-08/01/1998-I0001-0058-A</b>	
(A) DOE EH-22 Weakness #5b Lack of formal critique/Corrective Action Process resulting in recurring problems/findings.	01/31/99
<b>Action: SNLAL-08/01/1998-I0001-0059-A</b>	
(A) DOE EH-22 Weakness #5b Lack of formal critique/Corrective Action Process resulting in recurring problems/findings.	10/22/98
<b>Action: SNLAL-08/01/1998-I0001-0060-A</b>	
(A) DOE EH-22 Weakness #6 Current processes, plans and facilities do not ensure that timely, accurate, and essential information can be consistently provided to the public or to DOE HQ during an emergency.	04/30/99
<b>Action: SNLAL-08/01/1998-I0001-0061-A</b>	

Description	Completion Date
(A) DOE EH-22 Weakness #6 Current processes, plans and facilities do not ensure that timely, accurate, and essential information can be consistently provided to the public or to DOE HQ during an emergency. <b>Action: SNLAL-08/01/1998-I0001-0062-A</b>	04/01/99
(A) DOE EH-22 Weakness #6 Current processes, plans and facilities do not ensure that timely, accurate, and essential information can be consistently provided to the public or to DOE HQ during an emergency. <b>Action: SNLAL-08/01/1998-I0001-0063-A</b>	04/30/99
(A) DOE EH-22 Weakness #6 Current processes, plans and facilities do not ensure that timely, accurate, and essential information can be consistently provided to the public or to DOE HQ during an emergency. <b>Action: SNLAL-08/01/1998-I0001-0064-A</b>	08/28/98
(A) DOE EH-22 Weakness #6 Current processes, plans and facilities do not ensure that timely, accurate, and essential information can be consistently provided to the public or to DOE HQ during an emergency. <b>Action: SNLAL-08/01/1998-I0001-0065-A</b>	02/23/99
(A) Weakness #7 NN-60 98 SNLA-005-I. Roles, responsibilities, and authorities of Emergency Response Organization positions were not clear to all EOC management and support staff in the SNL EOC. <b>Action: SNLAL-08/01/1998-I0001-0066-A</b>	06/03/98
(A) Weakness #7 NN-60 98 SNLA-005-I. Roles, responsibilities, and authorities of Emergency Response Organization positions were not clear to all EOC management and support staff in the SNL EOC. <b>Action: SNLAL-08/01/1998-I0001-0067-A</b>	06/16/98
(A) Weakness #7 NN-60 98 SNLA-005-I. Roles, responsibilities, and authorities of Emergency Response Organization positions were not clear to all EOC management and support staff in the SNL EOC. <b>Action: SNLAL-08/01/1998-I0001-0068-A</b>	09/08/98
(A) Weakness #7 NN-60 98 SNLA-005-I. Roles, responsibilities, and authorities of Emergency Response Organization positions were not clear to all EOC management and support staff in the SNL EOC. <b>Action: SNLAL-08/01/1998-I0001-0069-A</b>	11/09/98
(A) Weakness #7 NN-60 98 SNLA-005-I. Roles, responsibilities, and authorities of Emergency Response Organization positions were not clear to all EOC management and support staff in the SNL EOC. <b>Action: SNLAL-08/01/1998-I0001-0070-A</b>	11/09/98
(A) Weakness #7 NN-60 98 SNLA-005-I. Roles, responsibilities, and authorities of Emergency Response Organization positions were not clear to all EOC management and support staff in the SNL EOC. <b>Action: SNLAL-08/01/1998-I0001-0071-A</b>	12/23/98
(A) Weakness #7 NN-60 98 SNLA-005-I. Roles, responsibilities, and authorities of Emergency Response Organization positions were not clear to all EOC management and support staff in the SNL EOC.	09/02/98

Description	Completion Date
<b>Action: SNLAL-08/01/1998-I0001-0072-A</b>	
(A) Weakness #7 NN-60 98 SNLA-005-I. Roles, responsibilities, and authorities of Emergency Response Organization positions were not clear to all EOC management and support staff in the SNL EOC.	09/02/98
<b>Action: SNLAL-08/01/1998-I0001-0073-A</b>	
(A) Weakness #7 NN-60 98 SNLA-005-I. Roles, responsibilities, and authorities of Emergency Response Organization positions were not clear to all EOC management and support staff in the SNL EOC.	11/30/98
<b>Action: SNLAL-08/01/1998-I0001-0074-A</b>	
(A) Weakness #8 DP-23 Staff Observation IA: Planning - KAFB/FD was not formally evaluated as part of this exercise.	05/01/99
<b>Action: SNLAL-08/01/1998-I0001-0075-A</b>	
(A) Weakness #8 DP-23 Staff Observation IA: Planning - KAFB/FD was not formally evaluated as part of this exercise.	11/30/98
<b>Action: SNLAL-08/01/1998-I0001-0076-A</b>	
(A) Weakness #8 DP-23 Staff Observation IA: Planning - KAFB/FD was not formally evaluated as part of this exercise.	11/30/98
<b>Action: SNLAL-08/01/1998-I0001-0077-A</b>	
(A) Weakness #8 DP-23 Staff Observation IA: Planning - KAFB/FD was not formally evaluated as part of this exercise.	09/30/98
<b>Action: SNLAL-08/01/1998-I0001-0079-A</b>	
(A) Weakness #10 NN-60 98-SNLA-001-D The IC and ERO were unable to analyze the event situation, develop a mitigation strategy and action plan, and request additional assets with the information provided.	05/21/99
<b>Action: SNLAL-08/01/1998-I0001-0080-A</b>	
(A) Weakness #10 NN-60 98-SNLA-001-D The IC and ERO were unable to analyze the event situation, develop a mitigation strategy and action plan, and request additional assets with the information provided.	09/30/98
<b>Action: SNLAL-08/01/1998-I0001-0081-A</b>	
(A) Weakness #10 NN-60 98-SNLA-001-D The IC and ERO were unable to analyze the event situation, develop a mitigation strategy and action plan, and request additional assets with the information provided.	10/31/98
<b>Action: SNLAL-08/01/1998-I0001-0082-A</b>	
(A) Weakness #10 NN-60 98-SNLA-001-D The IC and ERO were unable to analyze the event situation, develop a mitigation strategy and action plan, and request additional assets with the information provided.	12/31/98
<b>Action: SNLAL-08/01/1998-I0001-0083-A</b>	
(A) Weakness #10 NN-60 98-SNLA-001-D The IC and ERO were unable to analyze the event situation, develop a mitigation strategy and action plan, and request additional assets with the information provided.	10/31/98
<b>Action: SNLAL-08/01/1998-I0001-0084-A</b>	

Description	Completion Date
(A) Weakness #11 NN-60 98-SNLA-012-I Some reference tools necessary for SME use were not available and were brought into the EOC by SMEs. <b>Action: SNLAL-08/01/1998-I0001-0085-A</b>	04/01/98
(A) Weakness #12 NN-60 98-SNLA-015-W The dispersion modeler did not have ERPG values for the chemical and therefore used a rule of thumb for modeling calculations. <b>Action: SNLAL-08/01/1998-I0001-0086-A</b>	04/01/98
(A) Weakness #13 NN-60 98 SNLA-025-I The SNL EOC information display consists of white boards that contain hand written information that must be erased to be kept current. <b>Action: SNLAL-08/01/1998-I0001-0087-A</b>	04/01/98
(A) Weakness #14 NN-60 98-SNLA-026-W In the SNL EOC termination discussions were conducted without obtaining input from offsite response organizations.	04/01/98
<b>Report: Office of Oversight Evaluation of Integrated Safety Management Sandia National Laboratory - 08/01/1997</b> <b>Issue: Deficiencies n Subcontractor Safety Management SNL work conrol processes and oversight are not suffi...</b>	
<b>Action: SNLAL-08/01/1997-I0006-0001-A</b> Revise the standard contract boilerplate and ES&H Specification 01065 to include appropriate elements discussed in the previous paragraph. The new contract language will: 1. Require availability of contractor safety plans to all workers on all construction sites. 2. Request that contractor ES&H training records be made available for review. 3. Require that contractors certify that proper training has been provided to	07/01/98
<b>Action: SNLAL-08/01/1997-I0006-0002-A</b> Review the BMHA process to determine improvements important for identifying hazards and methods that communicate better with contractors. Specifically the process will: 1. Investigate requirements for industrial safety review of all BMHAs. 2. Require the facilities ES&H radiological control technician to review, analyze, and recommend controls for any facilities work with the potential for work in radiological controlled areas.	07/01/98
<b>Action: SNLAL-08/01/1997-I0006-0003-A</b> Assess training needs for construction inspectors to ensure that inspectors are qualified and that expectations for inspections are clearly defined. This action will include: 1 Monthly OSHA 1926 Subpart training based on evaluation of re-occurring deficiencies and violations observed by inspectors. Information from the previous 3-month observation period will be collected and analyzed to determine trending and to provide a	07/01/98
<b>Action: SNLAL-08/01/1997-I0006-0004-A</b> Improve work permits for all phases of construction and construction-like activities and maintenance work through the following steps: 1. Integrate the digging permit and hidden hazard penetration processes into the ES&H Specification 01065, (include personal protective equipment [PPE] requirements and methods for compliance with PPE requirements). 2. Identify improved methodologies for utility identification and locating.	07/01/98
<b>Action: SNLAL-08/01/1997-I0006-0005-A</b> Specific modifications to the ES&H Manual. Modifications include: 1. Revise Section 2A, "Plan Work" to include instructions on construction contracting, ownership and responsibility of contractor activities, procurement notifications, and construction issues. 2. Revise Section 2B, "Analyze Hazards" to address requirements and guidance for conducting a documented job-specific hazards analysis. 3. Revise Section 2C, "Control	02/26/98

Description	Completion Date
<b>Action: SNLAL-08/01/1997-I0006-0006-A</b>	
Assist line organizations to be able to use statements of work (SOWs) to manage contracts for construction-like work without providing specific job specifications. To ensure that the SOWs are adequate, the ES&H Center (7500) will work with the Procurement and Logistics Center (10200) to develop a standard SOW attachment form that specifies ES&H requirements, including submission of a job-specific hazards	06/30/98
<b>Action: SNLAL-08/01/1997-I0006-0007-A</b>	
Address the process for suspending contract work and implementing corrective actions in 09/21/98 revisions to the boilerplate ES&H provisions for fixed-price and time-and-material contracts. The ES&H Center (7500) will work with the: 1. Procurement and Logistics Center (10200) to strengthen the corporate Procurement Manual sections that address the role of the SDR in this process. 2. Technical and Compliance Training Department	
<b>Action: SNLAL-08/01/1997-I0006-0008-A</b>	
Develop and document a self-assessment process for construction activities conducted by the Facilities Management Center (7900). This process should be consistent with the self-assessment procedure currently used by the Operations and Engineering Center (7800) and the Facilities Management Center (7900). This process will include the requirement for generation and tracking of action items to correct issues disclosed by	03/01/98
<b>Action: SNLAL-08/01/1997-I0006-0009-A</b>	
Provide more management focus on oversight by assigning a dedicated manager for construction safety. The staffing for construction acceptance and inspection will be reviewed. If necessary, staff adjustments will be made.	01/30/98
<b>Action: SNLAL-08/01/1997-I0006-0010-A</b>	
Share improved processes developed by SNL/NM facilities organizations as part of this plan with the facilities organization at SNL/CA. The two groups will work together to determine if there are advantages from common practices. Recommendations of the advisability of common practices will be documented and provided to the vice president of the Laboratories Services Division (7000).	07/01/98
<b>Issue: Ineffective Processes for Hazard Identification, Analysis and Control SNL processes for Identifying ...</b>	
<b>Action: SNLAL-08/01/1997-I0001-0001-A</b>	
Revise ISMS requirements, and, as appropriate, the ES&H Manual to establish new requirements for uniform practices. These requirements include: 1. The requirement that each division have a process for promulgating Sandia ES&H corporate-level requirements into documents that control work processes in the division. (John - need milestone dates.) 2. All department managers and team supervisors shall subscribe to	09/21/98
<b>Action: SNLAL-08/01/1997-I0001-0002-A</b>	
Revise the process for developing Technical Work Documents (TWD's). Revise the process for developing TWDs (e.g., primary hazard screenings [PHSs], hazard assessments [HAs], building modification hazard assessments [BMHAs], ES&H standard operating procedures [SOPs], operating procedures [OPs], radiological work permits [RWP], safe work permits [SWPs], health and safety plans [HASPs]) to be more	07/01/98
<b>Action: SNLAL-08/01/1997-I0001-0003-A</b>	
Stress accountability for following procedures by the development of a policy, promulgated through executive management, that defines guidance for discipline in ES&H events where procedures were not followed.	01/30/98

Description	Completion Date
<b>Issue: Ineffective Requirements Management Processes SNL processes for identifying and incorporating requir...</b>	
<b>Action: SNLAL-08/01/1997-I0005-0001-A</b>	
Consolidate management of the flowdown elements for DOE directives and regulations into ES&H programs. This consolidation will ensure, through a formal process, that those responsible for program development receive up-to-date information, that potential changes to current programs are identified, and, if change is necessary, that the programs are modified. The process will include an element to ensure that the screening	06/30/98
<b>Action: SNLAL-08/01/1997-I0005-0002-A</b>	
Develop a process in each division for promulgating Sandia ES&H corporate-level requirements into documents that control their work processes. This process shall include periodic evaluations to ensure that the local work control processes are changed as corporate-level requirements change. Within the division, the processes may be tailored by centers, departments, or sections to meet organizational- and facility-specific	09/21/98
<b>Issue: Insufficient and Ineffective DOE and SNL Assessment Programs AL, KAO, and SNL assessment programs ha...</b>	
<b>Action: SNLAL-08/01/1997-I0002-0001-A</b>	
During initial ISMS implementation, each VP will present the implementation strategy for their division to the EVP and the DOE/KAO Area Manager. This initial presentation will be followed by periodic reports to the same group of the status of ES&H and of the processes to manage working safely in the division. Details of ES&H performance for centers and their departments within the division will be included in the status reports.	07/23/98
<b>Action: SNLAL-08/01/1997-I0002-0002-A</b>	
Within 30 days after its initial implementation of ISMS, each division will validate the adequacy of their processes for integrated safety management. The basis for the validation will be a prescribed process and uniform set of questions developed by the ISMS Line Implementation Team. The results of the validation will be reported as specified in action statement 1-A.	11/16/98
<b>Action: SNLAL-08/01/1997-I0002-0003-A</b>	
Executive management will specify its expectations for self-assessments. Executive management will specify its expectations for self-assessments by stipulating that: 1. Self-assessments are a required part of every manager's job. 2. Self-assessments shall include watching and evaluating the work being performed, and providing feedback to the worker, as appropriate. 3. Self-assessments shall include feedback from the	06/25/98
<b>Action: SNLAL-08/01/1997-I0002-0004-A</b>	
Executive management will determine what information it wishes to have rolled-up and reported from self-assessments, and the process for reporting.	09/21/98
<b>Action: SNLAL-08/01/1997-I0002-0005-A</b>	
ES&H functional programs will continue to conduct self-assessments. Focus areas will be selected in the context of the DOE annual appraisal process.	12/14/98
<b>Action: SNLAL-08/01/1997-I0002-0006-A</b>	
The ES&H Assessment Program Office (12870) will continue the internal independent appraisal process development and implementation. The ES&H Assessment Program Office will also review the processes used by ES&H functional programs and line organizations to strengthen their own self-assessments and integrate them into ISMS.	08/03/98

Description	Completion Date
<b>Issue: KAO and SNL Corection Action Management Programs Lack Essential Elements KAO and SNL systems for eva...</b>	
<b>Action: SNLAL-08/01/1997-I0003-0001-A</b>	
Executive management will establish its expectations concerning the timeliness of reporting. This will includethe quality of the information supplied in the report, the root cause analysis and the level of management review required at all stages of occurrence reporting.	06/25/98
<b>Action: SNLAL-08/01/1997-I0003-0002-A</b>	
Executive management will establish trigger levels for capturing corrective actions (which will include owners) in the SIMS+ database where they can be tracked and reported at a corporate level.	06/25/98
<b>Action: SNLAL-08/01/1997-I0003-0003-A</b>	
Executive management will require that progress on closing corrective actions should be included in each manager's self-assessment.	06/25/98
<b>Action: SNLAL-08/01/1997-I0003-0004-A</b>	
Executive management will specify that appropriate information on corrective actions be included in the data rolled-up and reported at the corporate level.	06/25/98
<b>Action: SNLAL-08/01/1997-I0003-0005-A</b>	
Executive management will define what information will be reported, and specify the format and frequency. A single report will be requested, including information compiled from self-assessments by line organizations and ES&H functional programs, occurrence reports, other lessons learned mechanisms, and other performance indicators.	09/21/98
<b>Action: SNLAL-08/01/1997-I0003-0006-A</b>	
The first report will be provided as part of the FY98 corporate performance metrics review.	11/02/98
<b>Issue: Unclear Roles, Responsibilities, and Accountabilities for Safety Management DP, AL, KAO, and SNL rol...</b>	
<b>Action: SNLAL-08/01/1997-I0004-0001-A</b>	
Clarify the responsibility of ES&H program owners to develop programs with balanced designs. It is the responsibilities of LIWG and ES&H coordinators to provide early input to the development of ES&H programs, to enhance ES&H communication to and from the line, and to facilitate line implementation of programs. The responsibilities and accountabilities of line managers for implementation are already documented in the ISMS	03/01/98
<b>Action: SNLAL-08/01/1997-I0004-0002-A</b>	
Sandia has already defined "authority," "responsibility," and "accountability" in the ES&H Manual. Sandia will add a definition for "roles," review the entire set of definitions for clarity, and communicate them throughout Sandia.	06/30/98
<b>Action: SNLAL-08/01/1997-I0004-0003-A</b>	
The roles and responsibilities of program, line, and organizational managers, facility owners, members of the facilities business unit, and ES&H support teams will be identified relative to the five "core functions" of Sandia's ISMS.	06/01/98
<b>Action: SNLAL-08/01/1997-I0004-0004-A</b>	
The improved material outlined in 2-A and 2-B above will be endorsed by executive management. The improved material will be integrated into the existing Sandia business rules (including the ISMS Program and the ES&H Manual where appropriate), and highlighted on the Sandia Internal Restricted Network. In addition, copies of the information will be sent to each identified program/project manager and each	05/13/98

Description	Completion Date
<b>Action: SNLAL-08/01/1997-I0004-0005-A</b>	
Sandia's Human Resources Center (3500) will include guidance in their annual instructions to all personnel to utilize the improved material. The improved material will be used by all personnel (outlined in 2-A and 2-B above) in defining their personal roles and specific responsibilities relating to ES&H (for their area of work) in the preparation of their performance management form (PMF) for FY99. Individuals in an organizational or	06/30/98
<b>Site: Savannah River Site CSO - EM - Assistant Secretary for Environmental Management</b>	
<b>Report: Independent Oversight Evaluation of Emergency Management Programs Across the DOE Complex, August 199... - 08/01/1998</b>	
<b>Issue: SRS Emergency Management Program Weaknesses Weaknesses in the SRS emergency management program inclu...</b>	
<b>Action: SRS-08/01/1998-I0001-0001-A</b>	
During the annual exercise, command and control were not fully demonstrated by some key emergency response organization personnel. There was no formal transfer of command between the initial incident scene commander and the individual who relieved him of this responsibility upon activation of the Tactical Operations Center. As a result, the relieving incident scene commander was not provided essential information regarding	02/25/98
<b>Action: SRS-08/01/1998-I0001-0002-A</b>	
During the annual exercise, command and control were not fully demonstrated by some key emergency response organization personnel. During the exercise, it was noted that field monitoring teams were controlled by the field monitoring team specialist in the Logistics Support Room. Lack of coordination with the incident scene commander led to confusion. When the field monitoring team specialist directed the field monitoring team to	02/25/98
<b>Action: SRS-08/01/1998-I0001-0003-A</b>	
During the annual exercise, command and control were not fully demonstrated by some key emergency response organization personnel. Inadequate command and control of security force personnel was observed at the conclusion of the hostage situation during the exercise. The adversary was leaving the train with his arms draped over the shoulders of the two hostages, who were assisting him because of his simulated injured	06/30/98
<b>Action: SRS-08/01/1998-I0001-0005-A</b>	
The exercise and performance testing indicated a need for additional training in and familiarity with site procedures to support timely, accurate, and conservative classification of emergencies. During the exercise, the declaration of a Site Area Emergency was not as timely or conservative as expected. EDOs employed incorrect procedures during performance testing. (Ref: EH-98-001, SRS-98-046)	02/25/99
<b>Action: SRS-08/01/1998-I0001-0006-A</b>	
Specific deficiencies noted in the proficiency of emergency response organization members impedes their ability to fulfill their emergency-related responsibilities in a timely and effective manner. The Emergency Director did not act appropriately when requesting information from the EDO as she attempted to fulfill her responsibilities for determination of initial protective actions and timely event notification. (Ref: SRS-98-175)	02/25/98
<b>Action: SRS-08/01/1998-I0001-0007-A</b>	
Specific deficiencies noted in the proficiency of emergency response organization members impedes their ability to fulfill their emergency-related responsibilities in a timely and effective manner. The Emergency Management Coordinator overstepped his authority when he countermanded direction from the incident scene commander to the EDO to establish roadblocks. (Ref: EH-98-003)	02/25/98

Description	Completion Date
<p><b>Action: SRS-08/01/1998-I0001-0010-A</b>            Specific deficiencies noted in the proficiency of emergency response organization members impedes their ability to fulfill their emergency-related responsibilities in a timely and effective manner. Communications specialists lacked proficiency in operating the EOC computer system to display plume dispersion information in the Command Room. (Ref: SRS-98-179)</p>	06/30/99
<p><b>Action: SRS-08/01/1998-I0001-0011-A</b>            Specific deficiencies noted in the proficiency of emergency response organization members impedes their ability to fulfill their emergency-related responsibilities in a timely and effective manner. Individuals serving on emergency public information teams lacked technical expertise and spokesperson training to interface effectively with the public. (Ref: SRS-98-065)</p>	02/25/98
<p><b>Action: SRS-08/01/1998-I0001-0012-A</b>            Specific deficiencies noted in the proficiency of emergency response organization members impedes their ability to fulfill their emergency-related responsibilities in a timely and effective manner. EOC personnel lacked familiarity with standard assets, such as telephone headsets, speed dialers, elapsed time clocks, and emergency message forms, to communicate critical information effectively. (Ref: SRS-98-028)</p>	06/01/98
<p><b>Action: SRS-08/01/1998-I0001-0013-A</b>            The SRS Emergency Management Public Information System needs improvement. The process for releasing new emergency information is not adequately controlled, as was evidenced by release of unapproved information concerning dose levels at the site boundary by Emergency Information Room Phone Response Team personnel during the emergency exercise. (Ref: SRS-98-162)</p>	02/25/98
<p><b>Action: SRS-08/01/1998-I0001-0014-A</b>            The SRS Emergency Management Public Information System needs improvement. Some information presented during the exercise press conference was inaccurate, confusing, and conflicting. (Ref: SRS-98-065)</p>	02/25/98
<p><b>Action: SRS-08/01/1998-I0001-0015-A</b>            The SRS Emergency Management Public Information System needs improvement. The existing system does not promote timely, high quality preparation of news releases to support public information needs during an emergency. (Ref: SRS-98-190)</p>	02/25/98
<p><b>Action: SRS-08/01/1998-I0001-0016-A</b>            The SRS Emergency Management Public Information System needs improvement. It was observed that only two news releases concerning emergency events were prepared and released during the seven-hour SRS exercise. Information included was minimal and confusing, and public concerns and information needs were not addressed. Persons who have both technical expertise and spokesperson training were not assigned to the</p>	02/25/98
<p><b>Action: SRS-08/01/1998-I0001-0017-A</b>            The SRS Emergency Management Public Information System needs improvement. It was also noted that offsite representatives were not adequately integrated into a joint information center. For example, Emergency Information Room personnel who provide information to the public, media, and political leaders do not interface effectively with state agency public information officers to coordinate the response to public concerns and to</p>	07/31/98

Description	Completion Date
<b>Action: SRS-08/01/1998-I0001-0018-A</b>	
FIELD REPORT, TABLE 1. Observations Concerning the Conduct of the SRS Annual Emergency Exercise Weaknesses: Several key organizations and disciplines, such as State, dispersion specialist, medical, and public information personnel, were not sufficiently involved in developing the exercise plan. This resulted in some cases of unrealistic scenario conditions (State lacking shipping manifests) and incorrect controller	02/25/98
<b>Action: SRS-08/01/1998-I0001-0019-A</b>	
FIELD REPORT, TABLE 1. Observations Concerning the Conduct of the SRS Annual Emergency Exercise Many exercise controllers exhibited poor exercise conduct and control. In some cases, controllers were not available during important exercise activities. Controllers were observed injecting incorrect information, providing unearned information to players, and intervening in play where intervention was not warranted.	02/25/98
<b>Report: Independent Oversight Evaluation of the Environment, Safety and Health Programs at the Savannah Rive... - 01/01/1996</b>	
<b>Issue: DOE-SR Privatization Implementation Weaknesses - DOE-SR has not clearly defined a comprehensive proc...</b>	
<b>Action: SRS-01/01/1996-I0004-0001-A</b>	
SR Policy Statement, "SR Privatization Program" was issued.	08/13/96
<b>Action: SRS-01/01/1996-I0004-0002-A</b>	
SRIP 500, Chapter 580.2, "SR Privatization Program", was issued. This procedure outlines the evaluation method that will be used when reviewing a potential privatization project. Appendices to this procedure provide in-depth checklists covering the following ES&H areas: Environmental Protection, Industrial Safety, Industrial Hygiene, Fire Protection, Emergency Preparedness, Nuclear Safety, Natural Resources, NEPA, and	08/13/96
<b>Issue: SRS Authorization Basis Weaknesses - DOE-SR and WSRC have not allocated the necessary resources to m...</b>	
<b>Action: SRS-01/01/1996-I0001-0001-A</b>	
Manual 11Q, Facility Safety Document Manual, was revised to require worker safety to be analyzed and included in safety documents.	09/30/96
<b>Action: SRS-01/01/1996-I0001-0002-A</b>	
S/RIDS were revised to establish requirements for implementation plan development and maintenance. An SRS Safety Document Integrated Implementation Plan and Schedule is maintained and updated annually. As part of the plan, target dates for facility safety document upgrades and updates are established. Necessary resources to accomplish the planned actions are predicted and any budget deficits are identified for resolution.	02/19/98
<b>Action: SRS-01/01/1996-I0001-0003-A</b>	
The Integrated Work Process(IWP)Manual was revised and is being used. The purpose of the manual is to describe a detailed integrated process for creating, updating, and maintaining facility safety documentation. A key element contained in the revision to the process methodology is the integration of the results from different hazard evaluations into the required safety documentation	06/30/98
<b>Action: SRS-01/01/1996-I0001-0004-A</b>	
A joint WSRC and DOE-SR committee, Authorization Basis Steering Committee, was established. The charter of the committee is to review the process and performance of the site with regard to ensuring and improving the facility authorization bases. Guidance for conducting the USQD process consistently across the site has been issued by the committee and implemented in WSRC 11Q Manual, Facility Safety.	03/30/97

**Description****Completion Date****Issue: SRS Corrective Action Program Weaknesses - DOE-SR and WSRC have not effectively utilized information...****Action: SRS-01/01/1996-I0003-0001-A**

SR and WSRC took action in 1998 to improve the timeliness of ORPS reports, resulting in faster root cause identification. 12/31/98

**Action: SRS-01/01/1996-I0003-0002-A**

The Conduct of Operations performance indicator is linked to ORPS reports in categories related to disciplined operations. SR review of disciplined operations has been enhanced by including more detailed evaluation of performance by category and facility. 05/31/99

**Action: SRS-01/01/1996-I0003-0003-A**

An Expanded Root Cause methodology was developed that provides analysis beyond the symptomatic level to the programmatic or systemic levels (WSRC-MS-96-0211). This methodology allows the most basic causes to be found and provides for more cost-effective improvements. 04/03/96

**Action: SRS-01/01/1996-I0003-0004-A**

The translation table between the symptomatic root cause tree and programmatic criteria was updated (WSRC-IM-94-62, Rev. 1). 09/29/96

**Action: SRS-01/01/1996-I0003-0005-A**

An annual Management Evaluation requirement was implemented that requires periodic assessment of relevant data for commonalities (WSRC-12Q Procedure ME-1, Rev. 0). 10/01/96

**Action: SRS-01/01/1996-I0003-0006-A**

A Problem Analysis Manual, which defines graded approach for root cause analysis, was developed and issued (WSRC-SCD-9, Rev. 0). 02/23/99

**Action: SRS-01/01/1996-I0003-0007-A**

A new policy, MP 5.35, Corrective Action Policy, was developed and implemented. 04/01/99

**Issue: SRS Life Safety Code Deficiencies More aggressive action and a higher level of attention is warranted...****Action: SRS-01/01/1996-I0006-0001-A**

Developed and implemented the Facility Fire Inspection Program through Procedure Manual S1, Procedure OP 1.21. 06/30/97

**Action: SRS-01/01/1996-I0006-0002-A**

Completed numerous Life Safety Code physical improvements in Canyon Areas as defined in Projects S-4580 and S-4687. 09/30/97

**Issue: SRS Requirements Implementation Deficiencies - DOE-SR and WSRC have not provided the necessary leadership...****Action: SRS-01/01/1996-I0002-0001-A**

A process was developed and implemented through 12Q Self-Assessment and Management Evaluation procedures to minimize recurrence of deficiencies. 04/01/99

**Action: SRS-01/01/1996-I0002-0002-A**

A process was developed and implemented in Management Policy (MP) 5.35, Corrective Action Program, for controlling corrective actions. This policy, using a graded approach, directs the finding of root causes and development of corrective actions for recurring deficiencies. 04/01/99

**Action: SRS-01/01/1996-I0002-0003-A**

Description	Completion Date
<p>Manual 8Q, procedures 32, Hazardous Energy Control (Lockout/Tagout), and 35, Work Clearance and Authorization, were revised to improve the process for control of work.  <b>Action: SRS-01/01/1996-I0002-0004-A</b></p>	01/21/99
<p>Manual 8Q, procedures 32, Hazardous Energy Control (Lockout/Tagout), and 35, Work Clearance and Authorization, were revised to improve the process for control of work.  <b>Action: SRS-01/01/1996-I0002-0005-A</b></p>	09/30/97
<p>SR and WSRC senior management met on May 13, 1999 to discuss Conduct of Operations performance and evaluate actions taken to improve performance. The management team reiterated their commitment to disciplined operations and recognized the need to continue to show strong management interest and leadership.  <b>Action: SRS-01/01/1996-I0002-0006-A</b></p>	05/13/99
<p>SR review of disciplined operations has been enhanced by including more detailed evaluation of performance by category and facility.  <b>Action: SRS-01/01/1996-I0002-0007-A</b></p>	05/31/99
<p>A monthly SR Conduct of Operations Report has begun, and the first report was issued June 25, 1999. The report included overall performance and trends, contractor analysis, and overall SR analysis. Future enhancements include analyses from SR facility and program line organizations.  <b>Action: SRS-01/01/1996-I0002-0008-A</b></p>	06/25/99
<p>The Assistant Manager for Health, Safety and Technical Support enhanced the monthly performance meetings with the contractor counterparts by integrating feedback from technical assessments and other evaluations.  <b>Action: SRS-01/01/1996-I0002-0009-A</b></p>	08/31/99
<p>DOE-SR established the Executive Technical Management Board (ETMB) made up of Assistant Managers and various subject matter experts. It reviews projects and operational activities on a sitewide basis. The WSRC Integrated Safety Management Executive Steering Team is comprised of VPs and provides a similar management review of site activities.</p>	04/30/98
<p><b>Issue: SRTC Requirements Management and Program Integration Weaknesses Fragmented requirements and program ...</b></p>	
<p><b>Action: SRS-01/01/1996-I0007-0001-A</b>  The Conduct of R&amp;D Manual, a guidance manual for use by researchers, was developed and issued. The manual contains standards to guide the performance of research and development.</p>	03/30/98
<p><b>Action: SRS-01/01/1996-I0007-0002-A</b>  The Memorandum of Understanding for the Laboratory Technical Area Operations, (WSRC-RP-96-620), was developed and approved by applicable divisions (SRTC, TSD, ESH&amp;QA, and A&amp;ID). This MOU defines the organizational interfaces and mutual accountabilities between the divisions that perform work within the Laboratory Technical Area.</p>	02/28/98
<p><b>Action: SRS-01/01/1996-I0007-0003-A</b>  Complete Fundamentals Training for the full complement of facility operators.</p>	04/01/99
<p><b>Issue: Weaknesses in SRS Subcontractor Oversight - DOE-SR and WSRC have not implemented an effective proces...</b></p>	

Description	Completion Date
<b>Action: SRS-01/01/1996-I0005-0001-A</b>	
The SRS Workplace Safety and Health Policy was approved bringing all site workers under one consistent safety and health policy, thus ensuring that all employees receive an equivalent level of worker protection.	07/10/98
<b>Action: SRS-01/01/1996-I0005-0002-A</b>	
"SRS Workplace Safety and Health Implementation Guidelines for Contracted Services, August 1998," was developed by a joint DOE-SR/WSRC team. This guidance document provides contract language and direction concerning the level of rigor and documentation that should be applied to oversight of subcontractor safety programs.	08/31/98
<b>Action: SRS-01/01/1996-I0005-0003-A</b>	
The subcontractor issued a Lessons Learned document on this incident (Memo: Andrew S. Dowd to William E. Austin).	02/07/96
<b>Action: SRS-01/01/1996-I0005-0004-A</b>	
The Facility Characterization Plan was revised to include the correct release limit (SRS Building 232-F Facility Characterization Plan, Rev. 1).	02/28/96
<b>Action: SRS-01/01/1996-I0005-0005-A</b>	
The Final Occurrence Report for the incident was issued (SR-WSRC-ERF-1995-0011).	02/21/97
<b>Action: SRS-01/01/1996-I0005-0006-A</b>	
Subcontractors are required to maintain a Worker Protection Program compatible with the Integrated Safety Management System on a graded basis [complexity and hazard] that WSRC accepts (The Prime Contract [DE-AC09-96SR18500] M14 paragraphs H.12 & H.16).	12/31/97
<b>Report: Type A Accident Investigation Board Report on April 13, 1995 Security Rappel Tower Fatality at the D... - 08/01/1995</b>	
<b>Issue: JON-01 - WSI-SRS needs to expand the focus of its safety program, more effectively use lessons learn...</b>	
<b>Action: SRS-08/01/1995-I0001-0001-A</b>	
3. WSI-SRS prioritized the operations and training activities based upon the identified risk.	08/09/95
<b>Action: SRS-08/01/1995-I0001-0002-A</b>	
4. The ESH and Compliance Divisions, through a consolidated effort, initiated joint oversight assessments based on the risk of the operations and training activities to ensure that safety responsibilities are being effectively implemented.	09/21/95
<b>Action: SRS-08/01/1995-I0001-0003-A</b>	
5. WSI-SRS assigned responsibilities for consolidating all organizational lesson learned programs into one organizational oversight element.	07/12/95
<b>Action: SRS-08/01/1995-I0001-0004-A</b>	
6. WSI-SRS developed a procedure, consolidating all lessons learned programs that establish responsibilities and requirements for the review, dissemination, feedback and validation of lessons learned.	08/30/95
<b>Action: SRS-08/01/1995-I0001-0005-A</b>	
7. WSI-SRS designated nine line supervisors (six from SRT, and one from Law Enforcement, Aviation Operations and the Training Division) as Operational Safety Officers empowered to ensure that all high-risk training is conducted in accordance with established policies and procedures.	06/05/95

Description	Completion Date
<b>Action: SRS-08/01/1995-I0001-0006-A</b>	
8. WSI-SRS re-familiarized all employees on the authorities and responsibilities contained in the Line Control Safety and Health Program, as described in WSI-SRS SP 1-3112.	08/28/95
<b>Action: SRS-08/01/1995-I0001-0007-A</b>	
WSI-SRS reviewed and revised standard procedure 1-01, Functions and Responsibilities Directive to ensure that specific safety responsibilities are clearly designated across all levels of management.	07/20/95
<b>Action: SRS-08/01/1995-I0001-0008-A</b>	
WSI-SRS reviewed and revised operations and training procedures to ensure clear and specific safety responsibilities are assigned by job title	09/28/95
<b>Action: SRS-08/01/1995-I0001-0009-A</b>	
WSI-SRS conducted training on the revised procedures to communicate safety responsibilities to employees.	11/30/95
<b>Action: SRS-08/01/1995-I0001-0010-A</b>	
WSI-SRS analyzed the data to determine the root causes of SRT injury and illness incidents.	07/27/95
<b>Action: SRS-08/01/1995-I0001-0011-A</b>	
WSI-SRS developed a program designed to reduce the number and severity of SRT injury and illness incidents.	08/29/95
<b>Issue: JON-02 - WSI-SRS needs to ensure that its Conduct of Operations Program more effectively meets state...</b>	
<b>Action: SRS-08/01/1995-I0002-0001-A</b>	
1. WSI-SRS conducted a review of its Conduct of Operations Manual to determine if it reflects the requirements established in DOE Order 5480.19 as applied to security functions at SR	07/06/95
<b>Action: SRS-08/01/1995-I0002-0002-A</b>	
2. WSI-SRS modified the Conduct of Operations Manual as required to include all elements as applied to security functions at SR.	07/06/95
<b>Action: SRS-08/01/1995-I0002-0003-A</b>	
3. WSI-SRS conducted a review of its Conduct of Operations Training Program to determine if it reflects the requirements of the Conduct of Operations Manual.	08/21/95
<b>Action: SRS-08/01/1995-I0002-0004-A</b>	
WSI-SRS modified the Conduct of Operations Manual as required to include all elements as applied to security functions at SR.	10/20/95
<b>Action: SRS-08/01/1995-I0002-0005-A</b>	
WSI-SRS developed the criteria to define the amount of training required for different functional areas and levels of the organization and conducted cost benefit analysis to determine the associated cost.	08/21/95
<b>Action: SRS-08/01/1995-I0002-0006-A</b>	
WSI-SRS conducted refresher training in Conduct of Operations utilizing the modified Conduct of Operations Training Program.	05/28/96
<b>Action: SRS-08/01/1995-I0002-0007-A</b>	

Description	Completion Date
WSI-SRS developed a procedure establishing responsibilities and requirements for acceptance and operations of facilities after design modifications have been made. The procedure addresses change/risk analysis, functions and limitations, safety walkdowns, facility change impacts and communication of modifications.	09/01/95
<b>Action: SRS-08/01/1995-I0002-0008-A</b>	
WSI-SRS conducted a review and made appropriate revisions to the Self-Assessment Program to ensure that oversight systems encompass training, operations and facilities.	10/31/95
<b>Action: SRS-08/01/1995-I0002-0009-A</b>	
WSI-SRS developed a procedure establishing responsibilities and requirements for on-shift training.	10/13/95
<b>Issue: JON-03 - WSI-SRS needs to ensure that the fundamental principles of rappelling are included in train...</b>	
<b>Action: SRS-08/01/1995-I0003-0001-A</b>	
WSI-SRS recommended to DOE-SR that rappelling be eliminated based on the conclusion that current mission requirements can be satisfied with alternative means and do not require the rappel capability, as long as WSI-SRS has other capabilities available (i.e., helicopter and adequate response forces).	06/09/95
<b>Issue: JON-04 - WSI-SRS needs to ensure that management and supervisory responsibilities for SRT training a...</b>	
<b>Action: SRS-08/01/1995-I0004-0001-A</b>	
WSI-SRS conducted a review of pertinent requirements documents (federal regulations, state regulations, contract and DOE Orders) to identify high risk activities, assessed the requirement in view of the mission and made recommendations as to their continuation or deletion.	06/29/95
<b>Action: SRS-08/01/1995-I0004-0002-A</b>	
WSI-SRS developed a procedure that requires a review of all planned competition events to ensure they represent skills that are needed to meet the SR security mission requirements and do not represent any hazards beyond those present in normal operational activities.	08/21/95
<b>Action: SRS-08/01/1995-I0004-0003-A</b>	
WSI-SRS developed a procedure to require that procedures and/or lesson plans exist for all training activities to be conducted, including competition.	10/13/95
<b>Action: SRS-08/01/1995-I0004-0004-A</b>	
WSI-SRS developed a procedure to require the scope and responsibilities for participation in offsite competitions are approved in writing by the WSI-SRS Office of the General Manager. For participation in competitions that are not sponsored by DOE, approval must be first granted by DOE-SR.	08/21/95
<b>Action: SRS-08/01/1995-I0004-0005-A</b>	
WSI-SRS conducted a review of operations and training procedures to determine if they clearly defined the management and supervisory responsibilities for the activities to be conducted.	08/21/95
<b>Action: SRS-08/01/1995-I0004-0006-A</b>	
WSI-SRS revised the operations and training procedures to reflect the responsibilities of personnel in command of training regardless of the presence of other management or supervisory personnel at the training or operations site.	08/23/95

Description	Completion Date
<b>Action: SRS-08/01/1995-I0004-0007-A</b>	
The WSI-SRS Office of the General Manager initiated a program to reemphasize to all supervisors and management personnel the principles of Conduct of Operations, and that they are responsible for the implementation of Conduct of Operations within their respective organizations.	08/10/95
<b>Action: SRS-08/01/1995-I0004-0008-A</b>	
WSI-SRS developed a procedure to require that the waiver of any safety-related requirement for competition training or any other activity is approved by the Safety Program Integration Oversight Policy Council and coordinated with DOE-SR prior to the conduct of the activity.	09/26/95
<b>Action: SRS-08/01/1995-I0004-0009-A</b>	
All Risk Analysis Reports (RARs), including the Advanced Tactical Training Area (ATTA) RAR were reviewed and revised to assess the risks associated with the facilities and operations, including the Rappel Tower.	08/28/95
<b>Issue: JON-05 - WSRC, in conjunction with WSI-SRS, needs to upgrade emergency response procedures on teleph...</b>	
<b>Action: SRS-08/01/1995-I0005-0001-A</b>	
WSI-SRS coordinated with the DOE-SR designated physician to obtain a standardized list of equipment and supplies to be maintained in EMT kits and first aid kits.	07/28/95
<b>Action: SRS-08/01/1995-I0005-0002-A</b>	
WSI-SRS inventoried all EMT kits and first aid kits to determine the equipment/supplies that need to be added/deleted, based on the list obtained from WSRC medical, in order to maintain standardized EMT kits and first aid kits.	08/25/95
<b>Action: SRS-08/01/1995-I0005-0003-A</b>	
WSI-SRS developed a system to have an on-going inventory process for EMT kits and first aid kits.	11/06/95
<b>Action: SRS-08/01/1995-I0005-0004-A</b>	
WSI-SRS developed a procedure on the standardization and inventory requirements of EMT kits and first aid kits.	08/03/95
<b>Action: SRS-08/01/1995-I0005-0005-A</b>	
WSI-SRS reviewed emergency response procedures to determine if the SR helicopter is being utilized in accordance with established requirements for responding to emergencies at remote locations.	08/09/95
<b>Action: SRS-08/01/1995-I0005-0006-A</b>	
SR reviewed its policy governing the use of the SR helicopter for medical evacuation of SRS personnel. The policy will be revised as required, and provided to the SRS Operations Center for implementation.	08/09/95
<b>Action: SRS-08/01/1995-I0005-0007-A</b>	
WSRC installed a push-to-talk button telephone handset in the SRSOC to replace the existing telephone, as requested by WSI-SRS.	04/05/95
<b>Action: SRS-08/01/1995-I0005-0008-A</b>	
WSI-SRS conducted sensitivity training for all WSI-SRSOC specialists regarding the dissemination of information during emergency situations.	06/15/95

Description	Completion Date
<b>Issue: JON-06 - WRSC, in conjunction with WSI-SRS, needs to ensure that all noncompliances with OSHA requir...</b>	
<b>Action: SRS-08/01/1995-I0006-0001-A</b>	
WSRC in cooperation with WSI-SRS identified the OSHA non-compliance items in the Rappel Tower, developed and implemented the necessary corrective actions. All the needed improvements have been implemented and a Procedure Manual 8Q, SMI 51 Walkdown was performed to verify corrective actions. Corrective actions were verified in two email messages, Erick E. Evans to Gail Dixon and Gail Dixon to Steve Luttrull.	06/19/96
<b>Issue: JON-07 - WSRC, in conjunction with WSI-SRS, needs to conduct a review of the Security Rappel Tower s...</b>	
<b>Action: SRS-08/01/1995-I0007-0001-A</b>	
WSI-SRS hired two professional Safety Officers, and an Industrial Hygienist two months prior to DOE-SR identifying the OSHA deficiencies; however, these personnel had not been fully integrated into the OSHA Inspection Program process.	04/17/94
<b>Action: SRS-08/01/1995-I0007-0002-A</b>	
WSI-SRS modified the Memorandum of Understanding (MOU) between WSRC and WSI-SRS to reflect that specific work requests for maintenance/repairs will be used only to return facilities/equipment to the original condition, and that any design modifications or system enhancements will be accomplished through proper coordination with WSI-SRS planning and safety organizations.	10/12/95
<b>Action: SRS-08/01/1995-I0007-0003-A</b>	
WSI-SRS revised WSI-SRS SP 1-8100, Facility Equipment Repairs, to reflect the changes made in the MOU.	09/01/95
<b>Action: SRS-08/01/1995-I0007-0004-A</b>	
WSI-SRS conducted training for the facility custodians on the changes made to the MOU and WSI-SRS SP 1-8100, Facility Equipment Repairs.	10/30/95
<b>Action: SRS-08/01/1995-I0007-0005-A</b>	
WSI-SRS and WSRC reviewed the rappel tower railings to ensure they meet OSHA regulations and training requirements	06/26/95
<b>Action: SRS-08/01/1995-I0007-0006-A</b>	
WSI-SRS conducted a review of all elevated work platforms assigned to WSI-SRS during scheduled annual safety assistance reviews to ensure that fall protection meets OSHA requirements.	08/29/95
<b>Issue: JON-08 - SR needs to improve implementation of the protective forces safety program, conduct of oper...</b>	
<b>Action: SRS-08/01/1995-I0008-0001-A</b>	
SR developed written clarification of the lines of responsibilities for safety and training oversight of WSI-SRS. Under written agreements dated May 19, 1995 and June 26, 1995, matrix support from the SR Office of Training and Safety Division respectively, is provided to these oversight activities as requested by the Office of Safeguards and Security (OSS).	06/26/95
<b>Action: SRS-08/01/1995-I0008-0002-A</b>	
A Senior Facility Representative has been assigned to OSS and is responsible for the day-to-day safety oversight of the protective force.	05/31/99
<b>Action: SRS-08/01/1995-I0008-0003-A</b>	

Description	Completion Date
WSI has changed its safety culture. They have been approved for Star Status within the Voluntary Protection Program, implemented a Behavior Based Safety Program and an Integrated Safety Management System.	05/10/99
<b>Issue: JON-09 - SR, in conjunction with WSI-SRS, needs to review the requirement for rappelling at SRS to d...</b>	
<b>Action: SRS-08/01/1995-I0009-0001-A</b>	
WSI-SRS recommended to DOE-SR that rappelling be eliminated based on the conclusion that current mission requirements can be satisfied with alternative means and do not require the rappelling capability, as long as WSI-SRS has other capabilities available (i.e., helicopter and adequate response forces)	06/09/95
<b>Issue: JON-10 - SR needs to justify that competitions are within the scope of WSI-SRS's contract, satisfy t...</b>	
<b>Action: SRS-08/01/1995-I0010-0001-A</b>	
SR completed a review of its policy for WSI-SRS participation in competitions and will permit continued participation on a case-by-case basis. It will not permit participation in rappel competition. SR approval of participation will be dependent upon a review of the scope of the competition, a review of supporting training plans and documentation. The underlying criteria for participation will be the extent to which the scope of the competition	06/13/95
<b>Site: Strategic Petroleum Reserve Site CSO - EM - Assistant Secretary for Environmental Management</b>	
<b>Report: Independent Oversight Evaluation of the Environment, Safety and Health Programs at the Strategic Pet... - 06/01/1996</b>	
<b>Issue: DM Assessment Program Weaknesses - The DM assessment program does not include all elements necessary...</b>	
<b>Action: SPR-06/01/1996-I0006-0001-A</b>	
Enhance the contribution, Effectiveness and Efficiency of the DM annual independent assessments of each site.	12/23/97
<b>Issue: Safety Management Program Weaknesses - The DOE SPR Project Management Office (SPRPMO) safety managem...</b>	
<b>Action: SPR-06/01/1996-I0001-0001-A</b>	
SPR conducts self-assessments in accordance with DOE Order 414.1 across all functional areas with management emphasis on ES&H at all levels. All supervisory personnel have ES&H performance measures in their performance plans and individual development plans. The SPR Project Manager established a management performance team to evaluate the use of the 360 degree appraisal concept on the SPR. The teams	10/23/96
<b>Site: Strategic Petroleum Reserve Site CSO - FE - Assistant Secretary for Fossil Energy</b>	
<b>Report: Independent Oversight Evaluation of the Environment, Safety and Health Programs at the Strategic Pet... - 06/01/1996</b>	
<b>Issue: SPR Emergency Response Weaknesses SPRPMO and DM management have not ensured that SPR personnel are a...</b>	
<b>Action: SPR-06/01/1996-I0005-0001-A</b>	
Strengthen Readiness of SPR, DM, and the sites to respond effectively to emergency conditions, including events, accidents, and natural disasters.	12/23/97
<b>Issue: SPR Procedure Development and Compliance Deficiencies SPRPMO and DM management have not placed prior...</b>	
<b>Action: SPR-06/01/1996-I0004-0001-A</b>	
Increase the quality, acceptance and use of procedures in key safety management activities other than fluid movement, including upset and emergency response, maintenance, process safety management, and configuration management.	12/23/97
<b>Issue: SPR Process Safety Management Program Weaknesses SPRPMO and DM have not provided adequate management...</b>	

Description	Completion Date
<b>Action: SPR-06/01/1996-I0003-0001-A</b>	
Improve implementation of Process Safety Management (PSM) to ensure that hazards associated with SPR Operations are identified and effectively mitigated.	12/23/97
<b>Issue: Weaknesses in Definition of Roles and Responsibilities SPRPMO has not adequately defined the overall...</b>	
<b>Action: SPR-06/01/1996-I0002-0001-A</b>	
Improve process for transmitting new and revised regulations. Improve planning, scheduling, and documentation of site oversight activities and sharing of results with other organizations, including ES&H. Clarify the roles, responsibilities, and authorities in emergency response. Define organizational interfaces with ES&H and project management.	03/24/97
<b>Site: Transportation Safeguards Division CSO - DP - Assistant Secretary for Defense Programs</b>	
<b>Report: Independent Oversight Review of the Radiation Protection Program at the Albuquerque Operations Office... - 11/10/1997</b>	
<b>Issue: Inadequate Implementation Procedures - Some aspects of operations related to radiological protection...</b>	
<b>Action: TSD-11/10/1997-I0003-0001-A</b>	
INCLUDE REQUIREMENTS SUCH AS USE OF SHIPMENT AND VEHICLE CERTIFICATION FORMS IN THE COURIER SOP.	06/03/98
<b>Action: TSD-11/10/1997-I0003-0002-A</b>	
DESCRIBE THE INTERFACE WITH SITE LOCKOUT/TAGOUT PROGRAMS FOR SSTS IN THE SOP TO ASSURE EFFECTIVE IMPLEMENTATION. CONSIDER REQUIRING THAT THE GREEN TAGS THAT INDICATE THAT THE SSTS HAVE BEEN SURVEYED REMAIN ON UNTIL THE COURIER STAFF ACCEPT THE VEHICLES FOR USE.	06/30/99
<b>Action: TSD-11/10/1997-I0003-0003-A</b>	
INCREASE EMPHASIS ON PERFORMANCE DURING ASSESSMENTS TO PROVIDE OPPORTUNITIES TO IDENTIFY AND CORRECT IMPLEMENTATION DEFICIENCIES	02/02/99
<b>Action: TSD-11/10/1997-I0003-0004-A</b>	
CONSIDER EVALUATING RADIATION TRAINING AGAIN DURING THE PERFORMANCE OF COURIER/ESCORT DUTIES. OBTAIN INPUT FROM COURIERS/ESCORTS FOR THIS EVALUATION	06/01/98
<b>Action: TSD-11/10/1997-I0003-0005-A</b>	
TSD'S IMPLEMENTATION OF PROCEDURES HAS NOT BEEN CONSISTENT OR RIGOROUS, AND SOME LONG-STANDING PROCEDURE PROBLEMS HAVE NOT BEEN ADDRESSED, SUCH AS FORMS AND PROCEDURAL VIOLATIONS INVOLVING INCORRECT PARKING OF SSTS IN THE READY LINE. THERE ARE INDICATIONS THAT SOME TRANSPORTATION ESCORTS DO NOT WEAR THEIR	06/19/98
<b>Issue: Safety Communication Weaknesses - Communication between management and couriers has not been effecti...</b>	
<b>Action: TSD-11/10/1997-I0001-0001-A</b>	
See Attachment	07/27/98
<b>Action: TSD-11/10/1997-I0001-0002-A</b>	
See Attachment	05/08/98
<b>Action: TSD-11/10/1997-I0001-0003-A</b>	

Description	Completion Date
See Attachment <b>Action: TSD-11/10/1997-I0001-0004-A</b>	05/15/98
See Attachment <b>Action: TSD-11/10/1997-I0001-0005-A</b>	08/04/99
See Attachment <b>Action: TSD-11/10/1997-I0001-0006-A</b>	06/03/98
See Attachment	05/08/98
<b>Issue: Weaknesses in the Quality and Maintenance of Work Documents - Inconsistencies exist among various ra...</b>	
<b>Action: TSD-11/10/1997-I0002-0001-A</b>	
ESTABLISH A TEAM OF TECHNICAL EXPERTS AND COURIERS TO REEVALUATE THE REMOVAL OF SURVEY INSTRUMENTS. DOCUMENT THE POSITION AND HAVE THE TEAM COMMUNICATE THE RESULTS TO COURIER SECTIONS.	08/04/99
<b>Action: TSD-11/10/1997-I0002-0002-A</b>	
CLARIFY THE REQUIREMENTS FOR PROCEDURE COMPLIANCE AND USAGE FOR THE COURIER SOP.	06/03/98
<b>Action: TSD-11/10/1997-I0002-0003-A</b>	
REVIEW THE PROCESS FOR MAINTAINING THE COURIER SOP AND INCORPORATE CHANGES TO ASSURE THAT CONTROLS INCLUDE LIMITS ON THE NUMBER OF CHANGES AND QUALITY CHECKS ARE PERFORMED TO ASSURE THAT CHANGES ARE INCORPORATED AS SPECIFIED.	06/03/98
<b>Action: TSD-11/10/1997-I0002-0004-A</b>	
REVIEW THE RADIATION PROTECTION ELEMENTS PRESCRIBED IN THE RADIATION PROTECTION PROGRAM AND DETERMINE WHETHER NECESSARY PROCESSES FOR IMPLEMENTATION ARE IN PLACE AND UNDERSTOOD BY PERSONNEL. DEVELOP ADDITIONAL PROCEDURES AS NECESSARY.	06/19/98
<b>Action: TSD-11/10/1997-I0002-0005-A</b>	
REVIEW THE RADIATION PROTECTION PROGRAMS DESCRIBED IN THE TSAR AND RADIATION PROTECTION PROGRAM AND CHANGE TO ASSURE CONSISTENCY WHEN THE TSAR IS IN USE. RE-EVALUATE THE NEED FOR HAVING TWO DOCUMENTS THAT COVER THE SAME AREAS.	08/04/99
<b>Action: TSD-11/10/1997-I0002-0006-A</b>	
INCREASE COURIER INVOLVEMENT IN DECISIONS SUCH AS REMOVAL OF THE TBM-3S SURVEY INSTRUMENTS.	05/08/98