



Department of Energy

Washington, DC 20585

January 25, 2002

MEMORANDUM FOR: Distribution

FROM: S. David Stadler, EH-2

SUBJECT: Department of Energy Corrective Action Management Program
First Quarter Report, Fiscal Year 2002

Attached is the Department of Energy (DOE) report on the status of the Corrective Action Management Program for the first quarter of fiscal year 2002. The report summarizes Corrective Action Plans and their associated corrective actions developed and tracked by line managers to address and resolve Safety Issues identified by independent oversight. The corrective action status is documented and tracked in the Department's Corrective Action Tracking System.

We are continuously reviewing and revising the overall format of this report in conjunction with line management and the DOE Corrective Action Management (CAM) Team to ensure that the most accurate information is provided. If you have any questions or comments pertaining to this report or recommended changes to the report format, please contact me at (301) 903-6457, or your staff may contact Steve Petersen at (301) 903-4022. Recommended changes may also be communicated to your CAM Team representative.

A handwritten signature in black ink, appearing to read "S. David Stadler".

S. David Stadler, PhD
Deputy Assistant Secretary
Office of Environment, Safety and Health

Attachment



***Department of Energy
Corrective Action Management Program
Quarterly Report, First Quarter FY 2002***

Final Report Distribution

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*Department of Energy
Corrective Action Management Program
Quarterly Report, First Quarter FY 2002*

Final Report Distribution Continued

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Departmental Representative to DNFSB, Office of the Departmental Representative to the Defense Nuclear Facilities Safety Board, S-3.1



Department of Energy
Office of Environment, Safety and Health

Corrective Action Management Program
First Quarter Report-Fiscal Year 2002

January 2002



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Abbreviations Used in this Report	Inside Back Cover

Department of Energy Corrective Action Management Program

First Quarter Report, Fiscal Year 2002

Summary

As prescribed in DOE Order 414.1A, *Quality Assurance*, Department line managers must address, track, report, complete and verify closure of:

- (1) environment, safety, and health (ES&H) and emergency management Safety Issues identified by the Office of Independent Oversight and Performance Assurance
- (2) Type A accident investigation Judgments of Need
- (3) Safety Issues identified during the conduct of special assessment initiatives directed to be corrected in accordance with the provisions of the DOE order by the Secretary or Deputy Secretary.

A Safety Issue specifies conditions identified during the conduct of an oversight assessment that could have an adverse impact on the environment, the safety or health of site workers or the public, and/or the DOE mission. These Safety Issues will be validated and clearly addressed in the formal assessment report provided to line management.

Line managers will develop and implement a corrective action plan (CAP) that describes all actions to effectively resolve each Safety Issue. The CAP is to be approved by the Cognizant Secretarial Officer (CSO) or delegated designee within 60 days from issuance of the formal assessment report. Department line managers must also complete all corrective actions within the planned dates as outlined in the approved CAP, and report the status of these actions in the Department's Corrective Action Tracking System (CATS) database. The planned CAP completion date is the date that all corrective actions listed in the CAP are to be completed.

This report provides the first quarter, fiscal year 2002 summary status of CAPs and their associated corrective actions as of December 31, 2001. The Department-wide program status is depicted, followed by the status for the Under Secretaries and their assigned Cognizant Secretarial Officers. The report outlines the status of CAPs pending approval by the CSO (overdue and on schedule) and status of CAPs approved by the CSO with open corrective actions (overdue and on schedule with

the planned CAP completion date). **Five CAPs with approval due dates for this quarter and earlier have not been approved by the CSO and are OVERDUE.** Four of the CAPs with OVERDUE approval dates are from Assistant Secretary for Environmental Management organizations. The Assistant Secretary for Environmental Management issued additional policy requirements to enhance CAP content quality and has returned the four CAPs for revision to meet these requirements before they will be approved. There were two CAPs with OVERDUE approval dates reported last quarter. **Two CAPs approved by the CSO have one or more corrective actions that have not been completed within the planned CAP completion date and are OVERDUE.** This is an improvement from the 4th Quarter FY2001 which had five approved CAPs with OVERDUE completion dates.

This report also outlines the number of corrective actions completed this quarter, total completed since inception of the Corrective Action Management Program, those on schedule to be completed within the CAP completion date, and late corrective actions not completed within the date listed in the CAP. **There are a total of 39 late corrective actions.** There were 36 late corrective actions reported last quarter.

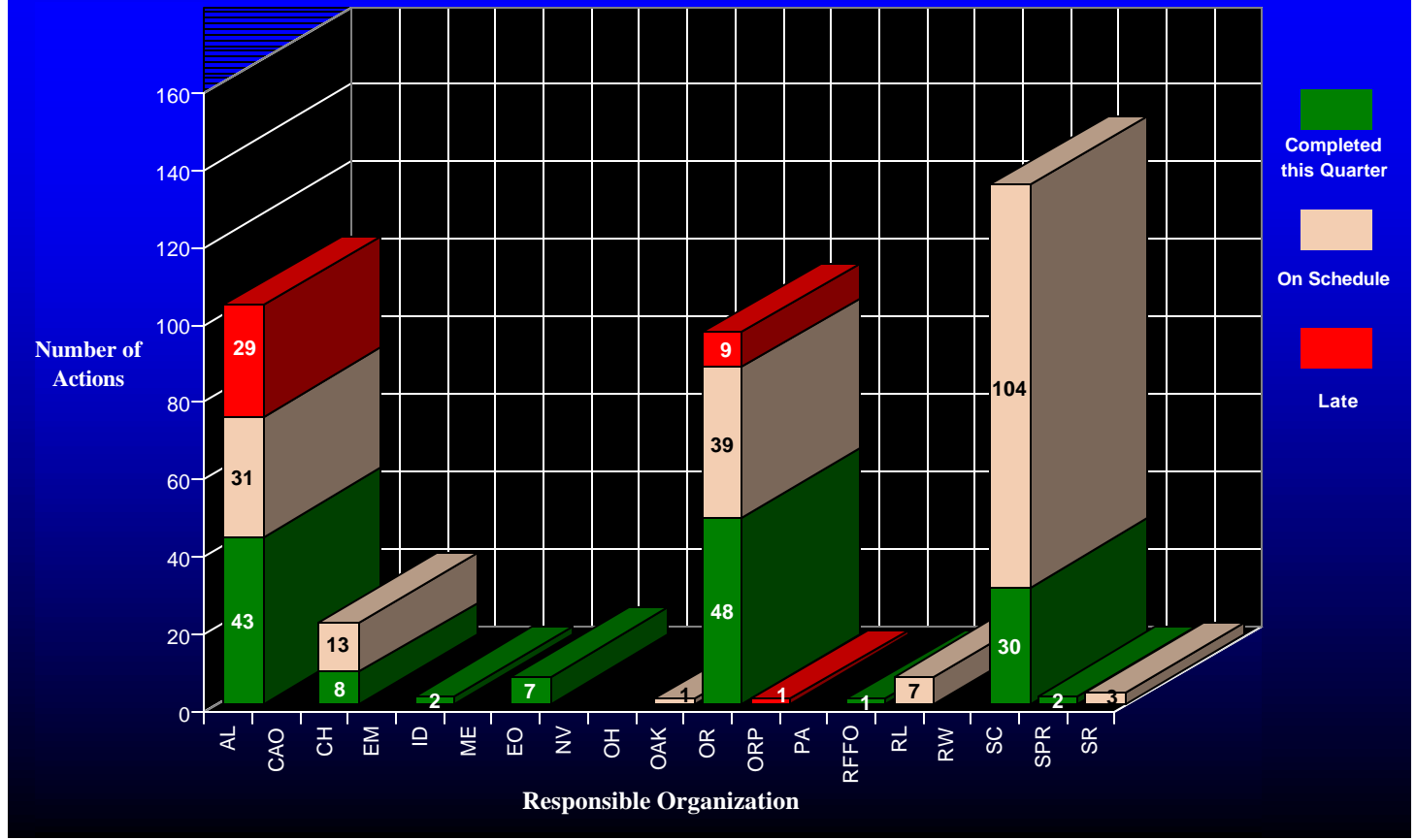
Since inception of the DOE Implementation Plan to Defense Nuclear Facilities Safety Board Recommendation 98-1, *DOE Plan to Address and Resolve Safety Issues Identified by Internal Independent Oversight* on March 10, 1999, a total of 97 appraisal reports have been tracked within the CATS identifying 641 Safety Issues. Line managers developed and implemented CAPs in response to these appraisal reports, which include a total of 3,475 corrective actions to resolve the identified Safety Issues.

This report is available on the Internet by accessing the Integrated Safety Management Resource Center web site on the Environment, Safety and Health Information Portal at <http://tis.eh.doe.gov/portal/home.htm> or the CATS web site at <http://tis.eh.doe.gov/portal/catsentry.html>. The web sites provide read-only access to the CATS database. For access, follow the "Guest Login" instructions.

Department of Energy Summary

New Assessment Reports this Quarter	2
Corrective Action Plans (CAPs) Pending Approval	
CAPs pending approval - Approval > 60 days OVERDUE	3
CAPs pending approval - Approval <= 60 days OVERDUE	2
CAPs pending approval - Approval on schedule	0
Total CAPs pending approval	
5	
Approved Corrective Action Plans (CAPs)	
Approved CAPs - with actions open > 90 days OVERDUE (past planned completion date)	0
Approved CAPs - with actions open <= 90 days OVERDUE (past planned completion date)	2
Approved CAPs - on schedule	19
Total approved CAPs still open	
21	
Approved CAPs - Completed this Quarter	7

Status of Corrective Actions by Area/Office Department of Energy



Corrective Action Status	AL	CAO	CH	EM ¹	ID	ME	EO	NV	OH	OAK	OR	ORP	PA	RFFO	RL	RW	SC ²	SPR	SR	TOTALS
Completed 1st Qtr, FY02	43	0	8	0	2	0	7	0	0	0	48	0	0	1	0	0	30	2	0	141
Total Completed	584	14	50	67	491	8	70	148	229	118	983	4	33	23	89	4	231	9	83	3238
On Schedule	31	0	13	0	0	0	0	0	0	1	39	0	0	0	7	0	104	0	3	198
Late	29	0	0	0	0	0	0	0	0	0	9	1	0	0	0	0	0	0	0	39
Totals	644	14	63	67	491	8	70	148	229	119	1031	5	33	23	96	4	335	9	86	3475

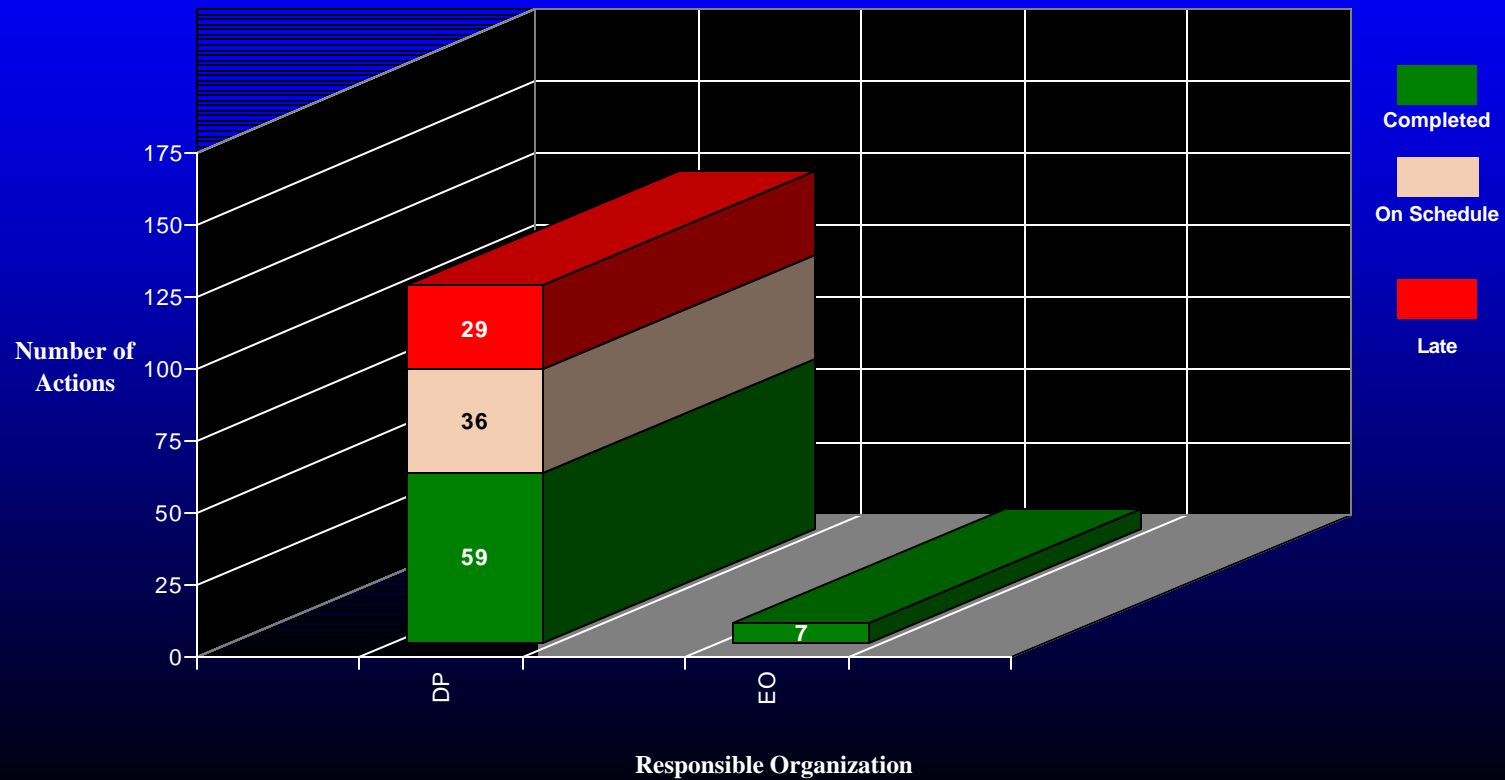
¹ EM includes 3/1/96 Oversight Review of DOE-wide Quality Assurance Program of Suspect/Counterfeit Parts and 8/1/95 Type A Accident Investigation for the Security Rappel Tower Facility at SR.
² SC includes independent oversight appraisals of Brookhaven and Fermi National Accelerator Laboratories

Administrator for Nuclear Security,
National Nuclear Security Administration

Administrator for Nuclear Security, National Nuclear Security Administration Summary

New Assessment Reports this Quarter	1
Corrective Action Plans (CAPs) Pending Approval	
CAPs pending approval - Approval > 60 days OVERDUE	0
CAPs pending approval - Approval <= 60 days OVERDUE	0
CAPs pending approval - Approval on schedule	0
Total CAPs pending approval	0
Approved Corrective Action Plans (CAPs)	
Approved CAPs - with actions open > 90 days OVERDUE (past planned completion date)	0
Approved CAPs - with actions open <= 90 days OVERDUE (past planned completion date)	1
Approved CAPs - on schedule	9
Total approved CAPs still open	10
Approved CAPs - Completed this Quarter	3

Status of Corrective Actions for the Administrator for Nuclear Security, National Nuclear Security Administration



Corrective Action Status	DP	EO	TOTALS
Completed 1st Qtr. FY02	59	7	66
Total Completed	1122	70	1192
On Schedule	36	0	36
Late	29	0	29
Totals	1187	70	1257

Deputy Administrator for Defense Programs

Late Corrective Actions

Albuquerque Operations Office

Report Number: LANL-04/14/2000-0001-R-EH2

Report Title: Field Report - Nuclear Criticality Safety Review for Los Alamos National Laboratory Technical Area-55

Number of Late Corrective Actions: 7

Report Number: LANL-07/24/2000-0002-R-AIA

Report Title: Type A Accident Investigation of the March 16, 2000 Plutonium-238 Multiple Intake Event at the Plutonium Facility, Los Alamos National Laboratory, New Mexico

Number of Late Corrective Actions: 13

Report Number: LANSCE-12/22/1999-0001-R-EH2

Report Title: Follow-up Review of Integrated Safety Management at the Los Alamos Neutron Center

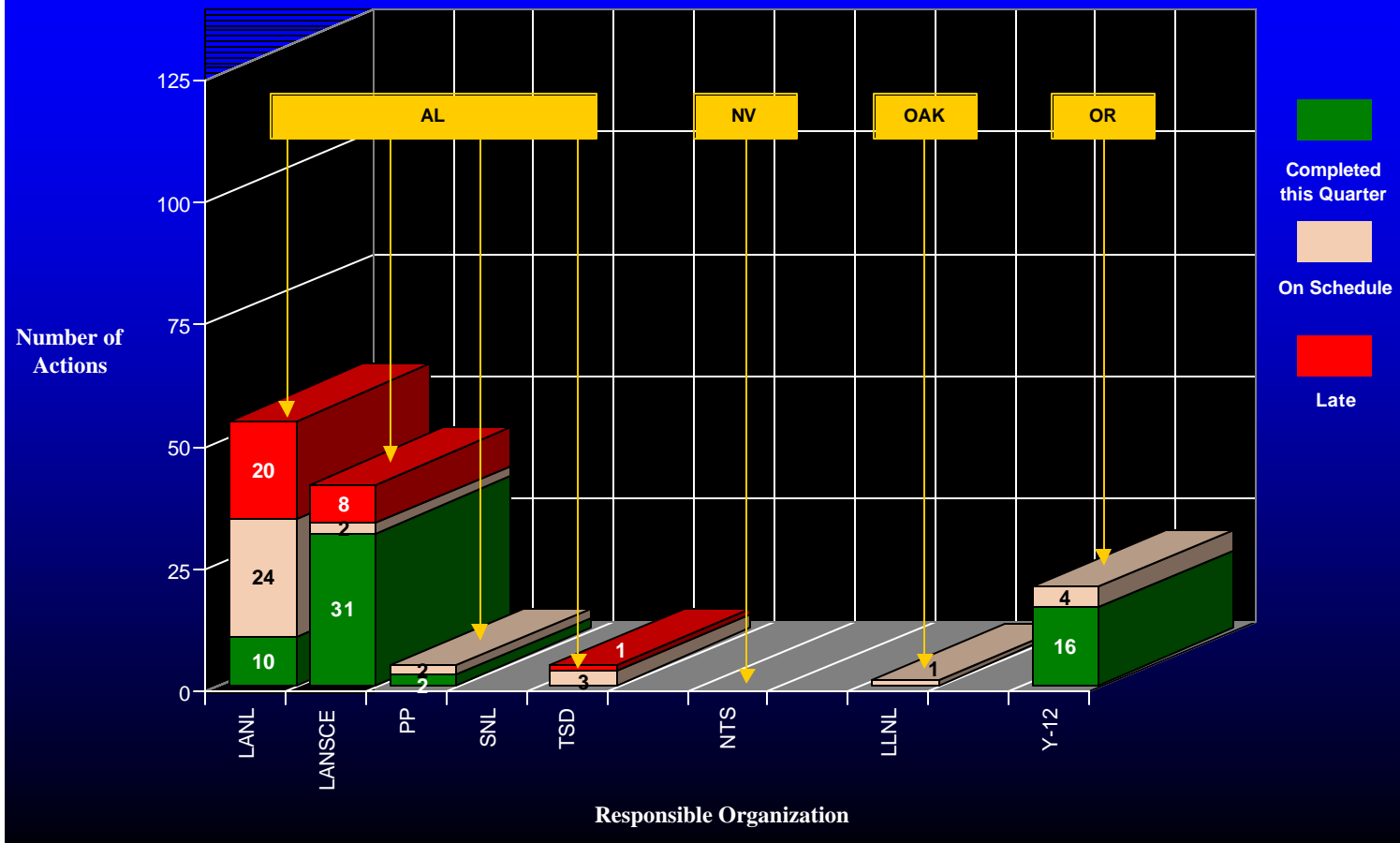
Number of Late Corrective Actions: 8

Report Number: TSD-06/01/1999-0001-R-AIA

Report Title: Type A Accident Investigation Board Report of the April 19, 1999 Special Agent Fatality at the Southeast Courier Section Oak Ridge, Tennessee

Number of Late Corrective Actions: 1

Status of Corrective Actions Deputy Administrator for Defense Programs



	AL					NV	OAK	OR	TOTALS
Corrective Action Status	LANL	LANSCE	PP	SNL	TSD	NTS	LLNL	Y-12	
Completed 1st Qtr, FY02	10	31	2	0	0	0	0	16	59
Total Completed	307	31	45	155	46	148	118	272	1122
On Schedule	24	2	2	0	3	0	1	4	36
Late	20	8	0	0	1	0	0	0	29
Totals	351	41	47	155	50	148	119	276	1187

Status of Corrective Action Plans

Deputy Administrator for Defense Programs

1. New Assessment Reports this Quarter

Report Number	TSD-10/01/2001-0001-R-XM
Report Title	Independent Oversight Evaluation of the Office of Transportation Safeguards Emergency Management Program
Final Report Date	10/01/2001
Office/Facility Reviewed	Transportation Safeguards Division
CAP Completion Due Date	11/30/2001
Approval Status	Approved

**2. Corrective Action Plans Pending Approval - OVERDUE
None**

**3. Corrective Action Plans Pending Approval - On Schedule
None**

4. Approved Corrective Actions Plans - OVERDUE less than 90 days (CAPs with corrective actions open less than 90 days past the planned completion date)

Report Number	LANL-04/14/2000-0001-R-EH2
Report Title	Field Report - Nuclear Criticality Safety Review for Los Alamos National Laboratory Technical Area-55

Office/Facility Reviewed	Los Alamos National Laboratory
CAP Completion Due Date	11/30/2001
Line Management Comments	AL criticality engineer indicated that due to events since 09/11/2001, the seven actions scheduled for completion on 11/30/2001 will be delayed approximately one month.

5. Approved Corrective Action Plans - Completed this Quarter (all corrective actions in CAP completed this quarter)

Report Number	PP-09/11/2000-0001-R-EH2
Report Title	Evaluation of Authorization Basis Management Systems and Processes at the Pantex Plant
Final Report Date	09/11/2000
Office/Facility Reviewed	Pantex Plant
CAP Completion Date	10/2/2001

Report Number	LANL-10/01/1996-0003-R-EH2
Report Title	Independent Oversight Evaluation of the Environment, Safety and Health Programs at the Los Alamos National Laboratory
Final Report Date	10/01/1996
Office/Facility Reviewed	Los Alamos National Laboratory
CAP Completion Date	11/20/2001

Status of Corrective Action Plans

Director, Office of Emergency Operations

1. New Assessment Reports this Quarter
None

2. Corrective Action Plans Pending Approval - OVERDUE
None

3. Corrective Action Plans Pending Approval - On Schedule
None

4. Approved Corrective Actions Plans - OVERDUE
None

5. Approved Corrective Action Plans - Completed this Quarter (all corrective actions in CAP completed this quarter)

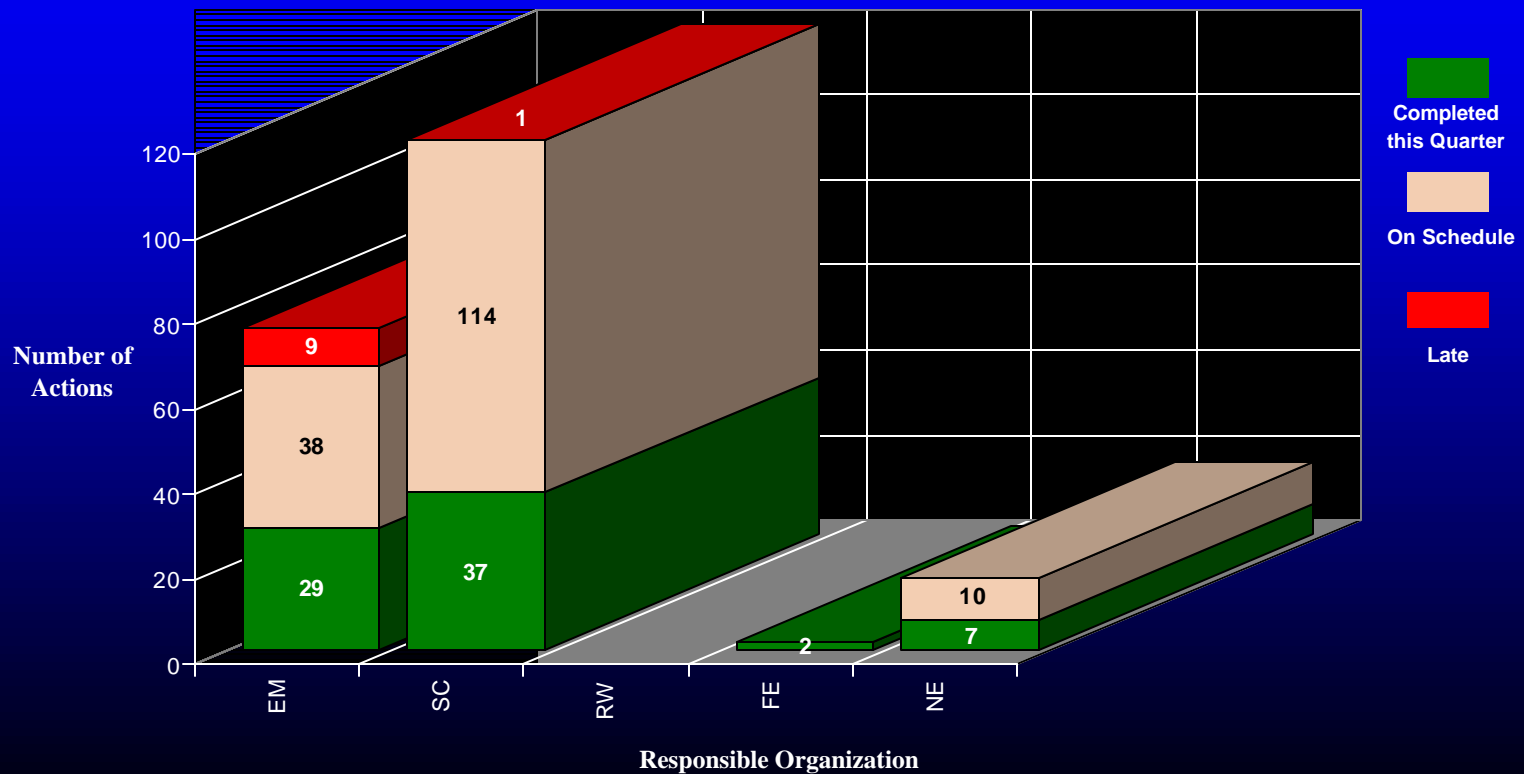
Report Number	DOEW-08/01/1998-0001-R-XM
Report Title	Independent Oversight Evaluation of Emergency Management Programs Across the DOE Complex, Volume 1
Final Report Date	08/01/1998
Office/Facility Reviewed	DOE - Wide
CAP Completion Date	10/5/2001

Under Secretary for Energy, Science
and Environment

Under Secretary for Energy, Science and Environment Summary

New Assessment Reports this Quarter	1
Corrective Action Plans (CAPs) Pending Approval	
CAPs pending approval - Approval > 60 days OVERDUE	3
CAPs pending approval - Approval <= 60 days OVERDUE	2
CAPs pending approval - Approval on schedule	0
Total CAPs pending approval	5
Approved Corrective Action Plans (CAPs)	
Approved CAPs - with actions open > 90 days OVERDUE (past planned completion date)	0
Approved CAPs - with actions open <= 90 days OVERDUE (past planned completion date)	1
Approved CAPs - on schedule	10
Total approved CAPs still open	11
Approved CAPs - Completed this Quarter	4

Status of Corrective Actions for the Under Secretary for Energy, Science and Environment



Corrective Action Status	EM	SC	RW	FE	NE	TOTALS
Completed 1st Qtr. FY02	29	37	0	2	7	75
Total Completed	1591	383	4	9	18	2005
On Schedule	38	114	0	0	10	162
Late	9	1	0	0	0	10
Totals	1638	498	4	9	28	2177

Assistant Secretary for Environmental Management

Late Corrective Actions

Oak Ridge Operations Office

Report Number: ETTP-10/11/2000-0001-R-EH2

Report Title: Independent Investigation of the East Tennessee Technology Park

Volume 2: Current Environment, Safety, and Health Programs and Issues

Number of Late Corrective Actions: 4

Report Number: PGDP-10/20/1999-0001-R-EH2

Report Title: Phase I Independent Investigation of the Paducah Gaseous Diffusion Plant, October 1999

Number of Late Corrective Actions: 2

Report Number: PORTS-05/25/2000-0001-R-SSA

Report Title: Independent Investigation of the Portsmouth Gaseous Diffusion Plant

Number of Late Corrective Actions: 2

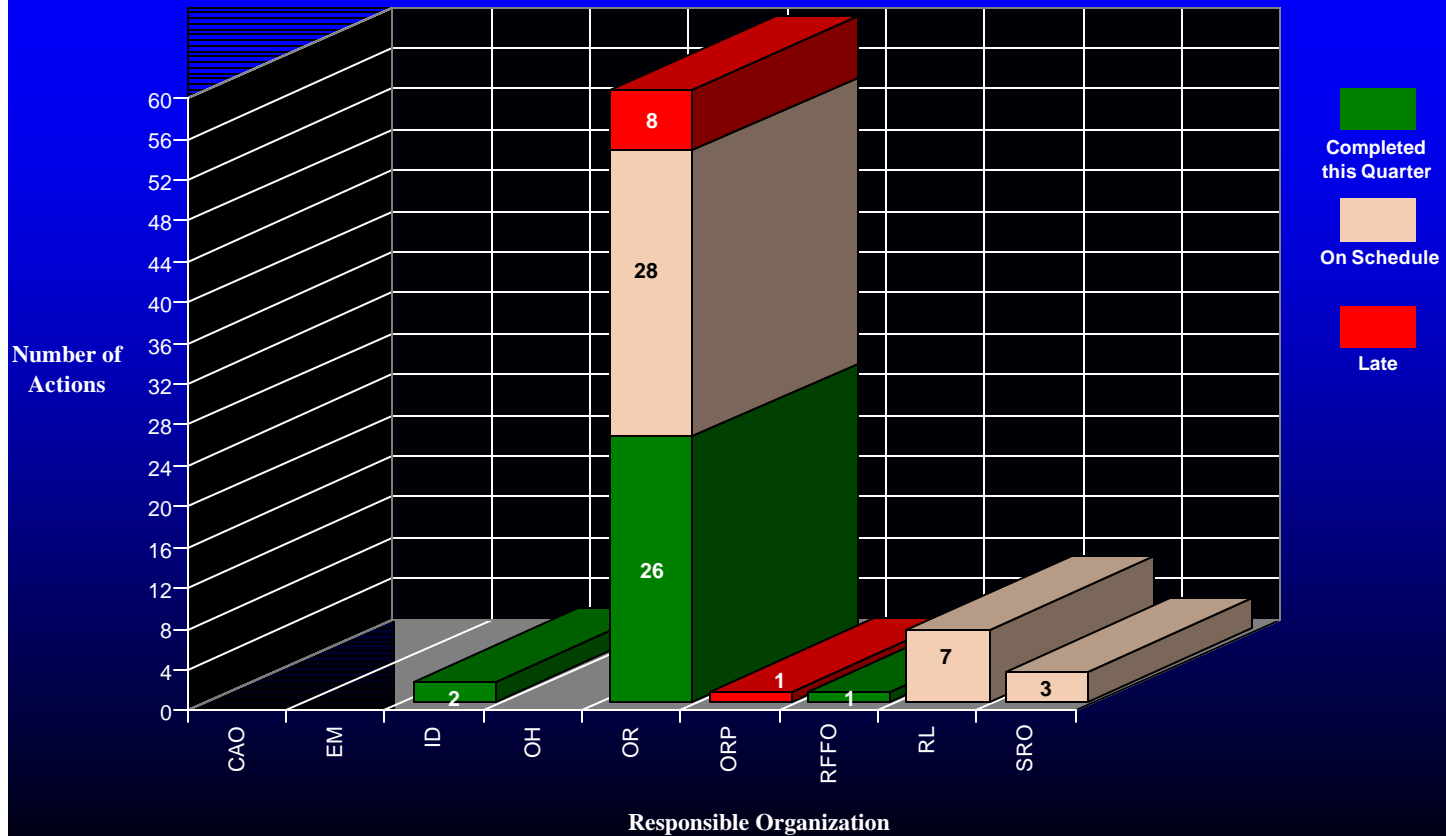
Office of River Protection

Report Number: ORP-05/25/2000-0001-R-SSA

Report Title: DOE/ORP-2000-20, Assessment of Potential Vulnerability Due to Degraded High-Efficiency Particulate Air (HEPA) Filters in Nuclear Facilities

Number of Late Corrective Actions: 1

Status of Corrective Actions Assistant Secretary for Environmental Management



EM										
Corrective Action Status	CAO	EM*	ID	OH	OR	ORP	RFFO	RL	SR	TOTALS
Completed 1 st Qtr, FY02	0	0	2	0	26	0	1	0	0	29
Total Completed	14	67	491	229	628	4	23	52	83	1591
On Schedule	0	0	0	0	28	0	0	7	3	38
Late	0	0	0	0	8	1	0	0	0	9
Totals	14	67	491	229	664	5	23	59	86	1638

* EM includes 3/1/96 Oversight Review of DOE-wide Quality Assurance Program of Suspect/Counterfeit Parts and 8/1/95 Type A Accident Investigation for the Security Rappel Tower Facility at SR.

Status of Corrective Action Plans

Assistant Secretary for Environmental Management

1. **New Assessment Reports this Quarter**
None
2. **Corrective Action Plans Pending Approval**
- 2a. **Corrective Action Plans Pending Approval - OVERDUE More Than 60 Days (not approved within 120 days of report issuance)**

Report Number	RFETS-05/29/2001-0001-R-EH2
Report Title	Special Review of the Rocky Flats Closure Project Site
Final Report Date	05/29/2001
Office/Facility Reviewed	Rocky Flats Environmental Technology Site
CAP Approval Due Date	07/28/2001
Line Management Comments	Proposed CAP was rejected for approval and returned on December 14, 2001 for resubmission by EM-1 because it did not adequately meet EM policy requirements for addressing causes, preventing recurrence of identified Safety Issues, and taking actions to implement and verify closure of corrective actions. An EM-1 representative is traveling to Rocky Flats the fourth week of January to discuss the CAP and EM-1 expectations.

Report Number	ORP-08/13/2001-0001-R-EH2
Report Title	Focused Review of the River Protection Project
Final Report Date	08/13/2001
Office/Facility Reviewed	Office of River Protection
CAP Approval Due Date	10/12/2001
Line Management Comments	Proposed CAP was rejected for approval and returned for resubmission by EM-1 because it did not adequately meet EM policy requirements for addressing causes, preventing recurrence of identified Safety Issues, and taking actions to implement and verify closure of corrective actions. Proposed CAP was resubmitted and is expected to be approved by mid-January 2002.

Report Number	ORO-05/29/2001-0001-R-EH2
Report Title	Review of Oak Ridge Operations Office Contractor Nuclear Criticality Safety Self-Assessments
Final Report Date	05/29/2001
Office/Facility Reviewed	Oak Ridge Operations Office
CAP Approval Due Date	07/28/2001
Line Management Comments	Proposed CAP was rejected for approval and returned for resubmission by EM-1 on 10/10/2001. EM-1 directed a new analysis be conducted meeting EM policy requirements for CAPs.

**2b. Corrective Action Plans Pending Approval - OVERDUE
(Not approved within 60 days of report issuance)**

Report Number	HS-09/07/2001-0001-R-XM
Report Title	Independent Oversight Inspection of Emergency Management at the Hanford Site
Final Report Date	09/07/2001
Office/Facility Reviewed	Hanford Site
CAP Approval Due Date	11/06/2001
Line Management Comments	Proposed CAP was rejected for approval and returned for resubmission by EM-1 because it did not adequately meet EM policy requirements for addressing causes, preventing recurrence of identified Safety Issues, and taking actions to implement and verify closure of corrective actions.

**3. Corrective Action Plans Pending Approval - On Schedule
None**

**4. Approved Corrective Actions Plans - OVERDUE less than 90 days
(CAPs with corrective actions open less than 90 days past the
planned completion date)**

Report Number	ORP-05/25/2000-0001-R-SSA
Report Title	DOE/ORP-2000-20, Assessment of Potential Vulnerability Due to Degraded High-Efficiency Particulate Air (HEPA) Filters in Nuclear Facilities

Office/Facility Reviewed
CAP Completion Due Date
Line Management Comments

Office of River Protection
11/5/2001
ORP conducted meetings with contractor in December to determine potential impact of accelerating the Authorization Basis amendment into the Final Safety Analysis Report. Successful completion of this action will complete the CAP.

**5. Approved Corrective Action Plans - Completed this Quarter (all
corrective actions in CAP completed this quarter)**

Report Number
Report Title

Final Report Date
Office/Facility Reviewed

INEEL-01/18/2001-0001-R-EH2
Focused Safety Management Evaluation of the Idaho National Engineering and Environmental Laboratory
01/18/2001
Idaho National Engineering & Environmental Laboratory
11/6/2001

CAP Completion Date

Report Number
Report Title

Final Report Date
Office/Facility Reviewed

RFETS-03/24/2000-0001-R-XM
Independent Oversight Review of the RFETS Transportation Emergency Management Program
03/24/2000
Rocky Flats Environmental Technology Site
12/20/2001

CAP Completion Date

Director, Office of Science Late Corrective Actions

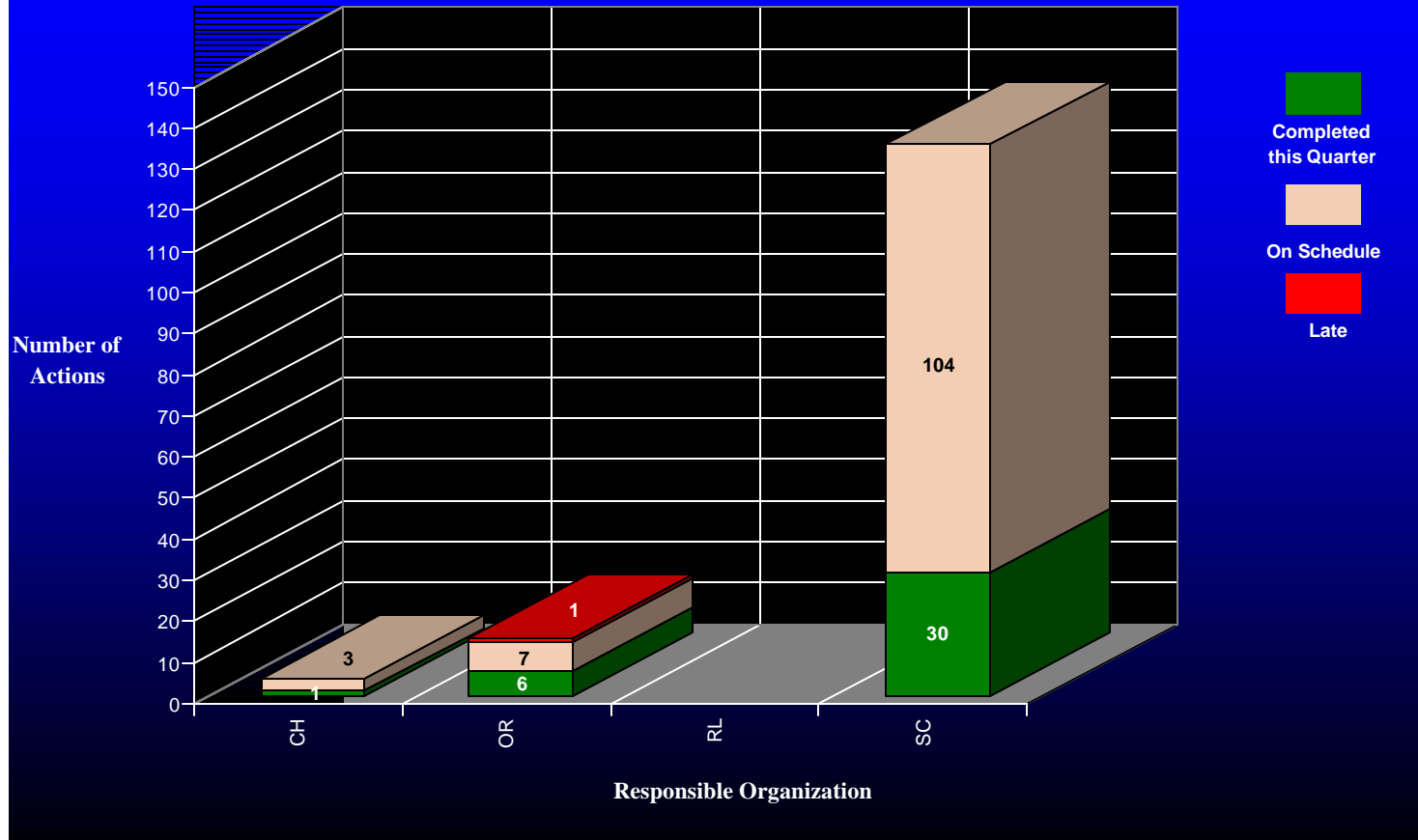
Oak Ridge Operations Office

Report Number: ORNL-022/22/20001-R-EH2

Report Title: Independent Review of the High Flux Isotope Reactor Tritium Leak

Number of Late Corrective Actions: 1

Status of Corrective Actions Director, Office of Science



SC					
Corrective Action Status	CH	OR	RL	SC*	TOTALS
Completed 1 st Qtr. FY02	1	6	0	30	37
Total Completed	32	83	37	231	383
On Schedule	3	7	0	104	114
Late	0	1	0	0	1
Totals	35	91	37	335	498

* SC includes independent oversight appraisals of Brookhaven and Fermi National Accelerator Laboratories

Status of Corrective Action Plans Director, Office of Science

1. New Assessment Reports this Quarter

Report Number	ORNL-10/01/2001-0002-R-EH2
Report Title	Focused Safety Management Evaluation of the Oak Ridge National Laboratory
Final Report Date	10/01/2001
Office/Facility Reviewed	Oak Ridge National Laboratory
CAP Approval Due Date	11/30/2001
Approval Status	Pending Approval

2. Corrective Action Plans Pending Approval - OVERDUE (Not approved within 60 days of report issuance)

Report Number	ORNL-10/01/2001-0002-R-EH2
Report Title	Focused Safety Management Evaluation of the Oak Ridge National Laboratory
Final Report Date	10/01/2001
Office/Facility Reviewed	Oak Ridge National Laboratory
CAP Approval Due Date	11/30/2001
Line Management Comments	The CAP was approved by the ORO Manager and forwarded to the Office

of Science for SC-1 approval on 11/30/2001. SC prepared an approval memo and submitted it to NE for concurrence on 12/12/01. NE was in discussion with ORNL concerning revisions to the CAP and the issues have been settled. The CAP is expected to be approved by the end of January.

3. Corrective Action Plans Pending Approval - On Schedule None

4. Approved Corrective Action Plans - OVERDUE None

5. Approved Corrective Actions Plans - Completed this Quarter (All corrective actions in CAP completed this quarter)

Report Number	CH-11/22/2000-0001-R-SSA
Report Title	Chicago Criticality Self-Assessment
Final Report Date	11/22/2000
Office/Facility Reviewed	Chicago
CAP Completion Date	12/4/2001

Status of Corrective Action Plans

Assistant Secretary for Fossil Energy

1. New Assessment Reports this Quarter
None

2. Corrective Action Plans Pending Approval - OVERDUE
None

3. Corrective Action Plans Pending Approval - On Schedule
None

4. Approved Corrective Actions Plans - OVERDUE
None

5. Approved Corrective Actions Plans - Completed this Quarter (All corrective actions in the CAP completed this quarter):

Report Number	SPR-05/14/2001-0001-R-XM
Report Title	Office of Independent Oversight and Performance Assurance Comprehensive Inspection of the Strategic Petroleum Reserve
Final Report Date	05/14/2001
Office/Facility Reviewed	Strategic Petroleum Reserve Site
CAP Completion Date	12/20/2001

Abbreviations Used in This Report

AL	Albuquerque Operations Office	NTS	Nevada Test Site
CAO	Carlsbad Area Office	NV	Nevada Operations Office
CAP	Corrective Action Plan	OAK	Oakland Operations Office
CATS	Corrective Action Tracking System	OH	Ohio Field Office
CH	Chicago Operations Office	OR	Oak Ridge Operations Office
CSO	Cognizant Secretarial Officer	ORP	Office of River Protection
DP	Deputy Administrator for Defense Programs	PA	Power Administrations
EM	Assistant Secretary for Environmental Management	PP	Pantex Plant
EO	Office of Emergency Operations	RFFO	Rocky Flats Field Office
FE	Assistant Secretary for Fossil Energy	RL	Richland Operations Office
ID	Idaho Operations Office	RW	Office of Civilian Radioactive Waste Management
LANL	Los Alamos National Lab	SC	Office of Science
LANSCE	Los Alamos Neutron Science Center	SNL	Sandia National Laboratory
LLNL	Lawrence Livermore National Laboratory	SO	Office of Security
ME	Office of Management, Budget, and Evaluation	SPR	Strategic Petroleum Reserve
NE	Office of Nuclear Energy, Science and Technology	SR	Savannah River Operations Office
		TSD	Transportation Safeguards Division
		Y-12	Oak Ridge Y-12 Site