



Department of Energy

Washington, DC 20585

February 22, 2010

MEMORANDUM FOR DISTRIBUTION

FROM: WILLIAM H. ROEGE
DIRECTOR *William H. Roege*
OFFICE OF CORPORATE SAFETY ANALYSIS
OFFICE OF HEALTH, SAFETY AND SECURITY

SUBJECT: Department of Energy Corrective Action Management
Program First Quarter Report for Fiscal Year 2010

The Corrective Action Management Program (CAMP) quarterly report provides corrective action tracking and reporting information related to safety and emergency management findings identified via independent oversight inspections, aviation safety, Type A accident investigations, and special investigations. The report also summarizes timeliness of line management follow-up effectiveness reviews that ensure findings were effectively resolved and are not likely to reoccur. Corrective action status is documented and tracked in the Department's Corrective Action Tracking System (CATS) database.

There were no new Corrective Action Plans (CAPs) entered into the database during the first quarter. A total of 24 CAPs were open at some point during the quarter, 5 were completed, 1 is overdue, from the Argonne National Laboratory (ANL), and the remaining 18 CAPs are on schedule for completion. In addition, two effectiveness reviews were approved and eight other effectiveness reviews are on schedule for approval.

There were a total of 20 late corrective actions identified during the quarter: 17 belong to the National Nuclear Security Administration (NNSA) and three belong to the Office of Science (SC). This is the highest percentage of late corrective actions in two years. Eleven late NNSA actions originated from the Lawrence Livermore National Laboratory's February 2009 independent oversight report relating to emergency management, four were from the Los Alamos National Laboratory's January 2008 report relating to environment, safety and health (ES&H), and the remaining two were from Sandia National Laboratory's April 2008 report also relating to ES&H issues. The three SC late actions included two from the Pacific Northwest National Laboratory's April 2009 report relating to nuclear safety programs and a long-standing late action from ANL's May 2005 report on ES&H issues. SC has major ongoing initiatives to address this and other safety issues at ANL. These totals represent an increase in late actions in both the NNSA and SC organizations as compared to the previous quarter's late action total of zero and one, respectively.



The detailed CAMP quarterly report for the first quarter can be found at <http://www.hss.energy.gov/CSA/CSP/camp/reports.html>. In addition, the CAMP website, <http://www.hss.energy.gov/CSA/CSP/camp/index.html>, outlines the program background, applicable Department of Energy directives and references, Corrective Action Management (CAM) Team charter, CATS database, and previous quarterly reports.

Recommended changes in report structure or content may be communicated through your CAM Team representative. If you have any questions or comments pertaining to this report, please contact me at (301) 903-8008, or your staff may contact Larry McCabe, CAMP Program Manager, at (301) 903-6732.

Attachment: Department of Energy Corrective Action Management Program
First Quarter Report for Fiscal Year 2010

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CORRECTIVE ACTION MANAGEMENT PROGRAM

First Quarter Report for Fiscal Year 2010

January 2010

**Department of Energy
Office of Corporate Safety Analysis**

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DOE Corrective Action Management Program

First Quarter Report for Fiscal Year 2010

Performance Summary

This report provides the first quarter, fiscal year 2010 summary status of the Department of Energy's (DOEs) Corrective Action Management Program (CAMP). The report includes the status of corrective action plans (CAPs) and their associated corrective actions as of December 31, 2009. The report depicts the Department's CAMP program status, followed by the status for the Under Secretaries and the assigned Secretarial Officer (SO).

The Office of Environmental Management (EM) has consistently been on time with all CAMP-related corrective actions for the past 13 quarters; extending its consecutive streak of on-time corrective actions, which is a Departmental SO record. EM completed 11 corrective actions and two effectiveness reviews during the quarter. There were no overdue EM effectiveness reviews.

The National Nuclear Security Administration (NNSA) had 17 late corrective actions for the quarter, a decline from the previous quarter when NNSA had no late corrective actions. The late actions included 11 from the Lawrence Livermore National Laboratory, 4 from the Los Alamos National Laboratory and 2 from the Sandia National Laboratories. NNSA completed 49 corrective actions during the quarter and had no overdue effectiveness reviews.

The Office of Science (SC) had only 3 late corrective actions during the quarter; one of which has been a persistent problem for SC. This late corrective action at the Argonne National Laboratory (ANL) has been overdue for six consecutive quarters and remains incomplete. It was originally identified in the May 2005 Oversight report at the ANL Alpha-Gamma Hot Cell Facility. SC has major ongoing initiatives to address this and other safety issues at ANL. SC completed 16 corrective actions during the quarter and had no overdue effectiveness reviews.

The Office of Nuclear Energy (NE) had no late corrective actions or overdue effectiveness reviews for the quarter. NE completed one corrective action during the quarter.

Reporting Guidelines

The Corrective Action Management Program requirements delineated in DOE Order 414.1C, Quality Assurance, direct Department line managers to address, track, report, complete, and determine the effectiveness of corrective actions to resolve and prevent recurrence of:

(1) Environment, safety and health, and emergency management findings identified by the Office of Independent Oversight; (2) Judgments of Need identified during Type A accident investigations; (3) Safety management findings of DOE aviation facilities identified by the Office of Aviation Management, Office of Management; (4) Findings identified during the conduct of special assessment initiatives directed by the Secretary or Deputy Secretary to be tracked and reported in accordance with the provisions of the DOE CAMP.

A *finding* is defined as a significant deficiency identified during the conduct of an oversight assessment that may adversely affect the DOE mission; environment, safety or health of workers or the public; or national security. For the purpose of this report, the term *findings* will also apply to accident investigation judgments of need. These findings are validated and clearly addressed in a formal assessment report provided to line management.

Department line managers must develop and implement a CAP that describes all actions required to effectively resolve each reported finding. The final CAP is approved by the SO or their delegated designee within 60 days from issuance of the formal assessment report. 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 database. The planned CAP completion date is the date that all corrective actions listed in the CAP are to be completed.

Within six months after completion of all corrective actions in the CAP, the responsible Field Element Manager must complete and approve a corrective action effectiveness review to verify closure of corrective actions and determine their effectiveness in preventing recurrence.

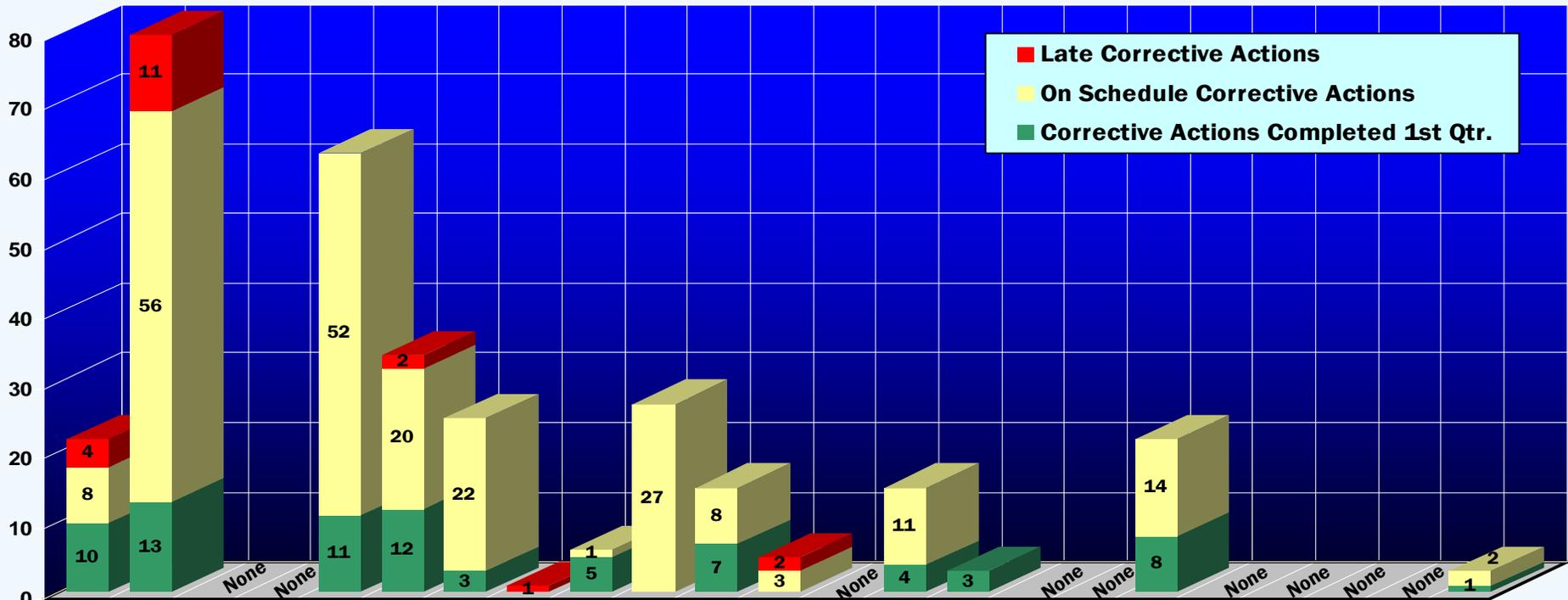
This report is available on the Internet by accessing the CAMP Website at:

<http://www.hss.energy.gov/CSA/csp/camp/index.html>

Department of Energy Summary

New Assessment Reports this Quarter	2
CAPs Pending Approval – Approval On Schedule	2
CAPs Pending Approval – Approval ≤ 60 Days OVERDUE	0
CAPs Pending Approval – Approval > 60 Days OVERDUE	0
Total CAPs Pending Approval	2
Approved CAPs Completed This Quarter	5
Approved CAPs – On Schedule	18
Approved CAPs – With Actions Open > 60 Days and ≤ 90 Days OVERDUE	0
Approved CAPs – With Actions Open > 90 Days OVERDUE	1
Total Approved CAPs Still Open	19
Corrective Action Effectiveness Reviews Approved This Quarter	2
Corrective Action Effectiveness Reviews – On Schedule	8
Corrective Action Effectiveness Reviews – Approval OVERDUE	0
Total Pending Effectiveness Reviews	8

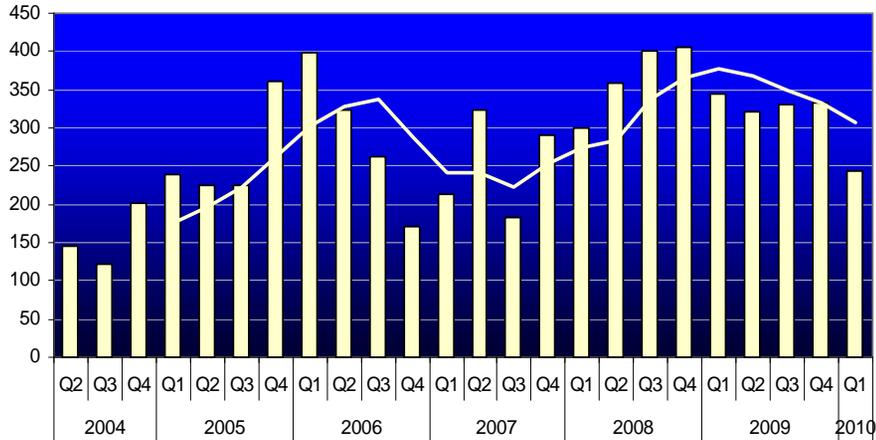
Status of the Corrective Action Management Program Department of Energy



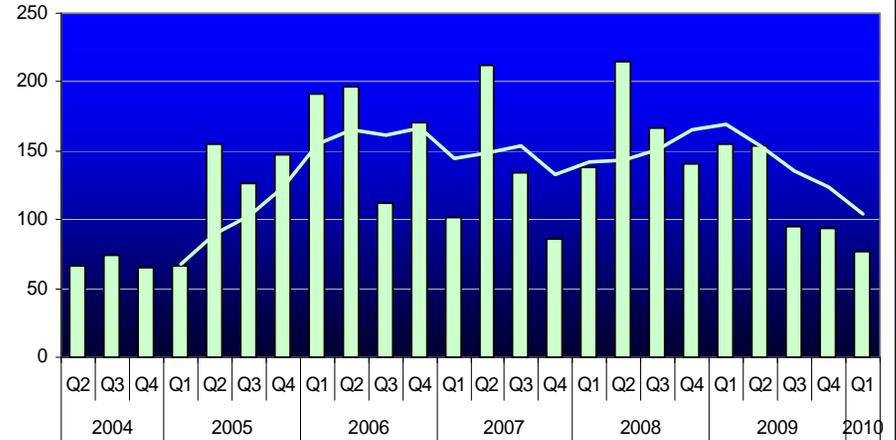
DOE SITE	LASO	LSO	NSO	OST	PSO	SSO	YSO	ASO	BHSO	LBNL	OR	PNNL	SLAC	TJNA	ETPP	ICP	OR	ORP	PPPO	RL	SR	WIPP	INL	TOTALS
PSO	NNSA							SC							EM							NE		
Total Active Reports	3	6	4	2	3	4	2	1	3	1	3	1	1	1	1	1	1	2	1	1	3	1	2	48
Total Findings	67	69	29	10	22	58	15	24	23	10	23	1	14	5	11	3	24	23	6	19	27	13	26	522
Total Corrective Actions	335	330	95	23	128	324	149	263	113	28	136	10	89	36	79	44	92	146	0	192	164	91	233	3100
Completed Corrected Actions	323	263	95	23	76	302	127	262	112	1	128	5	89	25	79	44	92	132	0	192	164	91	231	2856
Open Corrective Actions	12	67	0	0	52	22	22	1	1	27	8	5	0	11	0	0	0	14	0	0	0	0	2	244
Late Corrective Actions	4	11	0	0	0	2	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	20
On Schedule Corrective Actions	8	56	0	0	52	20	22	0	1	27	8	3	0	11	0	0	0	14	0	0	0	0	2	224
CAs Completed 1 st Quarter	10	13	0	0	11	12	3	0	5	0	7	0	0	4	3	0	0	8	0	0	0	0	1	77

DOE Corrective Action Trends

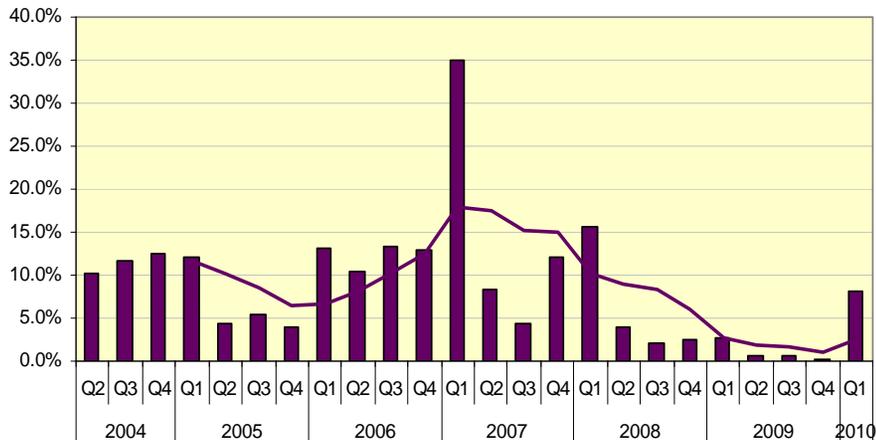
DOE Open CAs
with 4-Quarter Moving Average



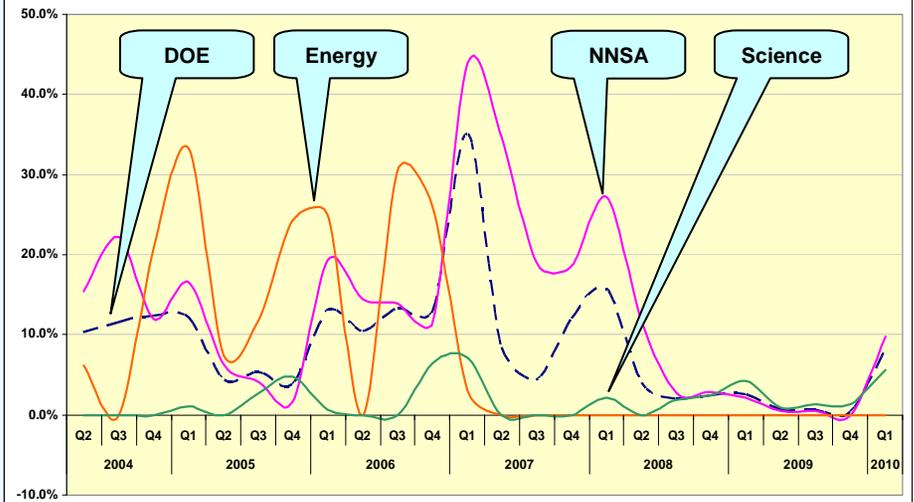
DOE Completed CAs
with 4-Quarter Moving Average



DOE Percentage of Late CAs
with 4-Quarter Moving Average



Comparison Percentage of Late Corrective Actions



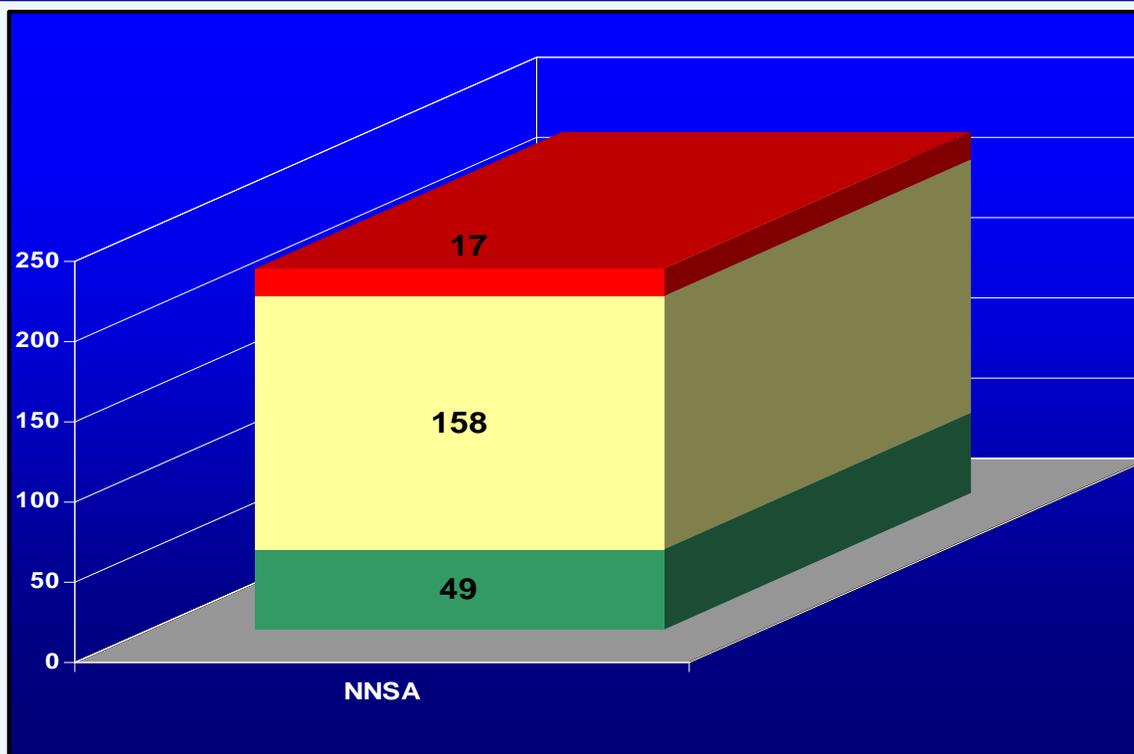


**Administrator,
National Nuclear Security Administration**

National Nuclear Security Administration

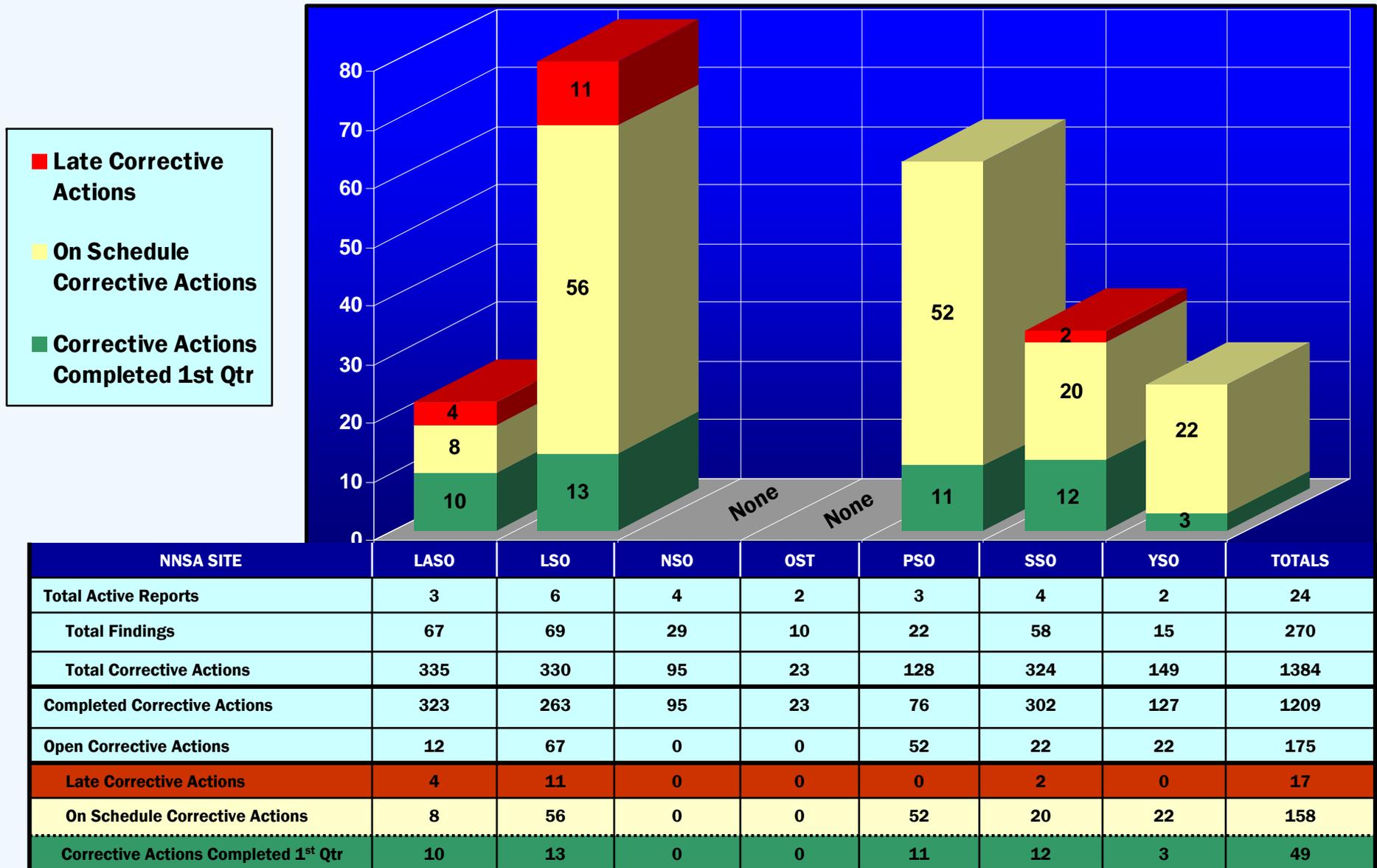
New Assessment Reports this Quarter	1
CAPs Pending Approval – Approval On Schedule	1
CAPs Pending Approval – Approval ≤ 60 Days OVERDUE	0
CAPs Pending Approval – Approval > 60 Days OVERDUE	0
Total CAPs Pending Approval	1
Approved CAPs Completed This Quarter	2
Approved CAPs – On Schedule	10
Approved CAPs – With Actions Open ≤ 90 Days OVERDUE	0
Approved CAPs – With Actions Open > 90 Days OVERDUE	0
Total Approved CAPs Still Open	10
Corrective Action Effectiveness Reviews Approved This Quarter	0
Corrective Action Effectiveness Reviews – On Schedule	4
Corrective Action Effectiveness Reviews – Approval OVERDUE	0
Total Pending Effectiveness Reviews	4

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

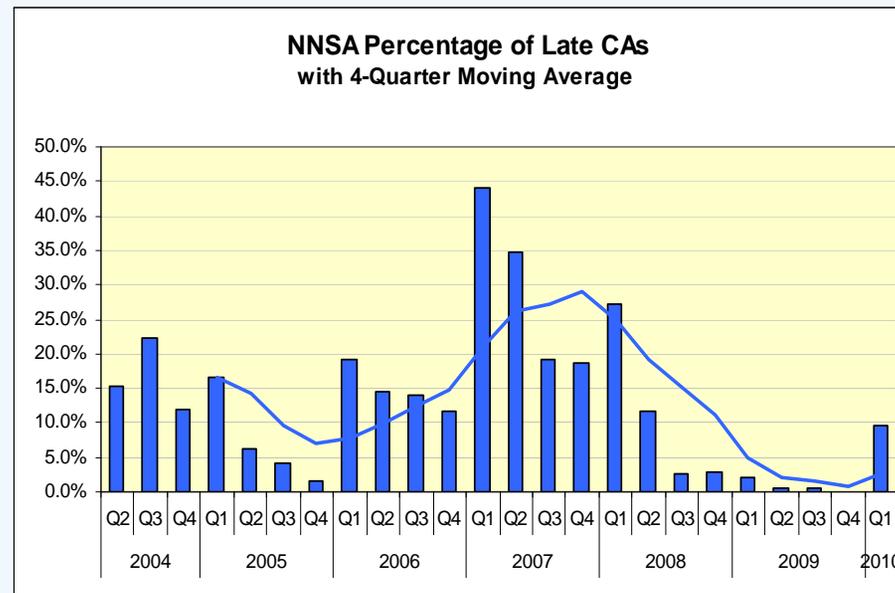
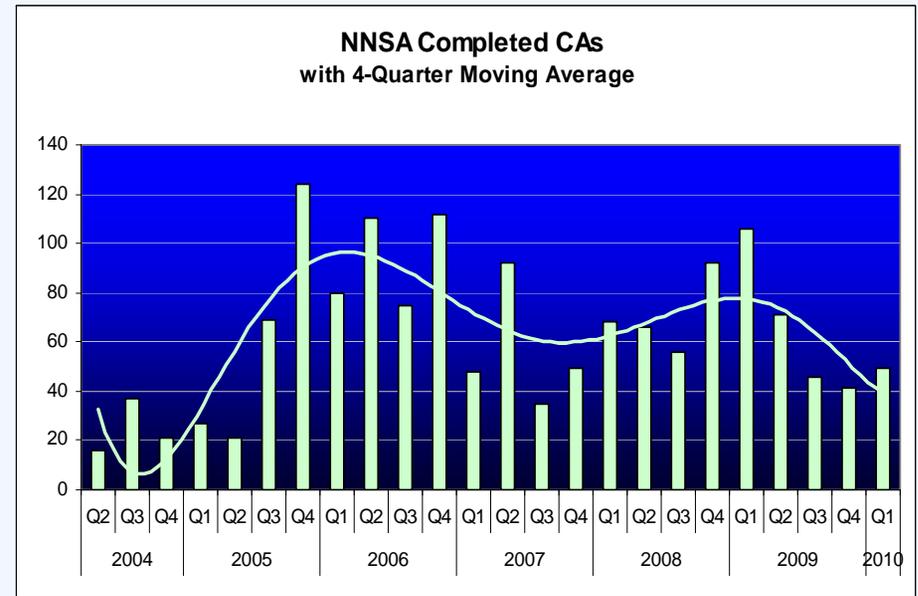
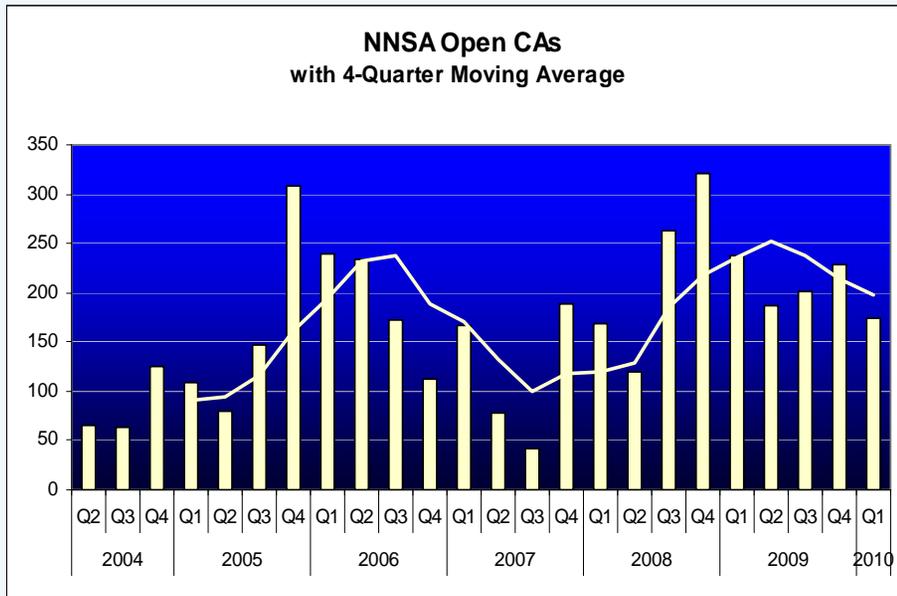


NATIONAL NUCLEAR SECURITY ADMINISTRATION	All NNSA
Total Active Reports	24
Total Findings	270
Total Corrective Actions	1384
Completed Corrective Actions	1209
Open Corrective Actions	175
Late Corrective Actions	17
Corrective Actions on Schedule	158
Corrective Actions Completed 1 st Qtr.	49

Status of Corrective Actions for the Deputy Administrator for Defense Programs



NNSA Corrective Action Trends



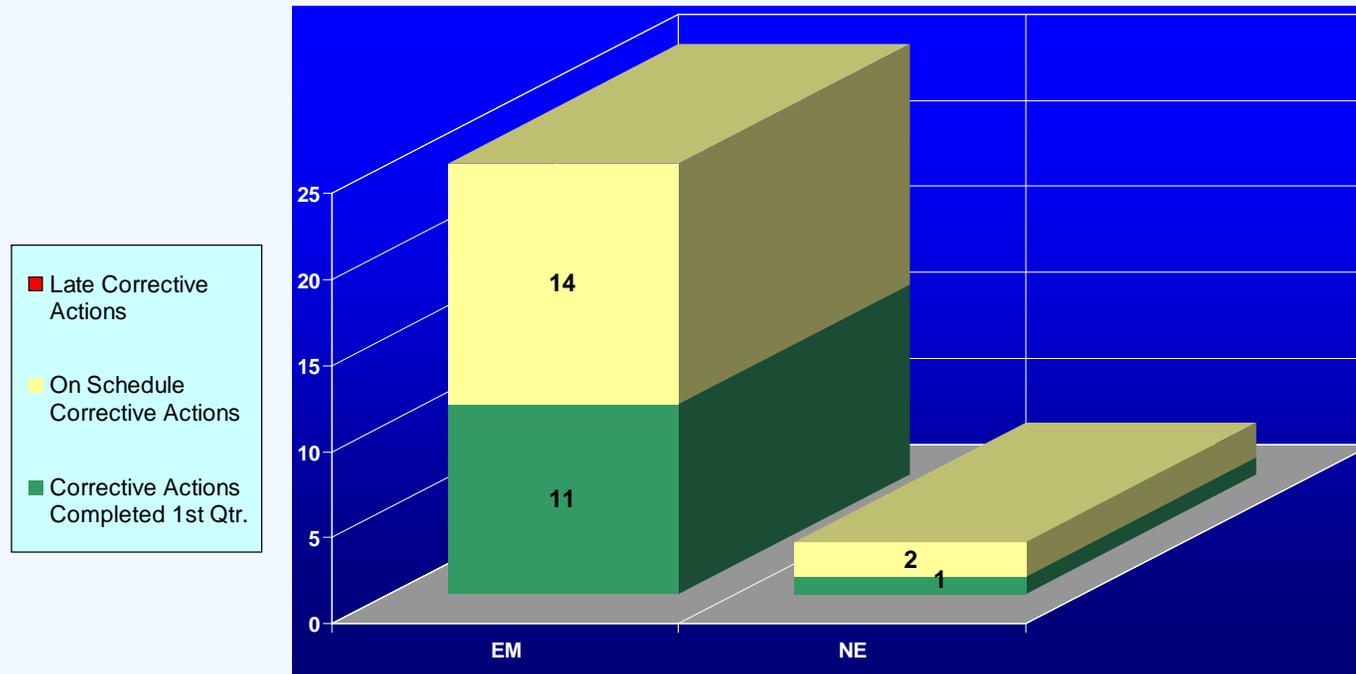


Under Secretary of Energy

Under Secretary of Energy Summary

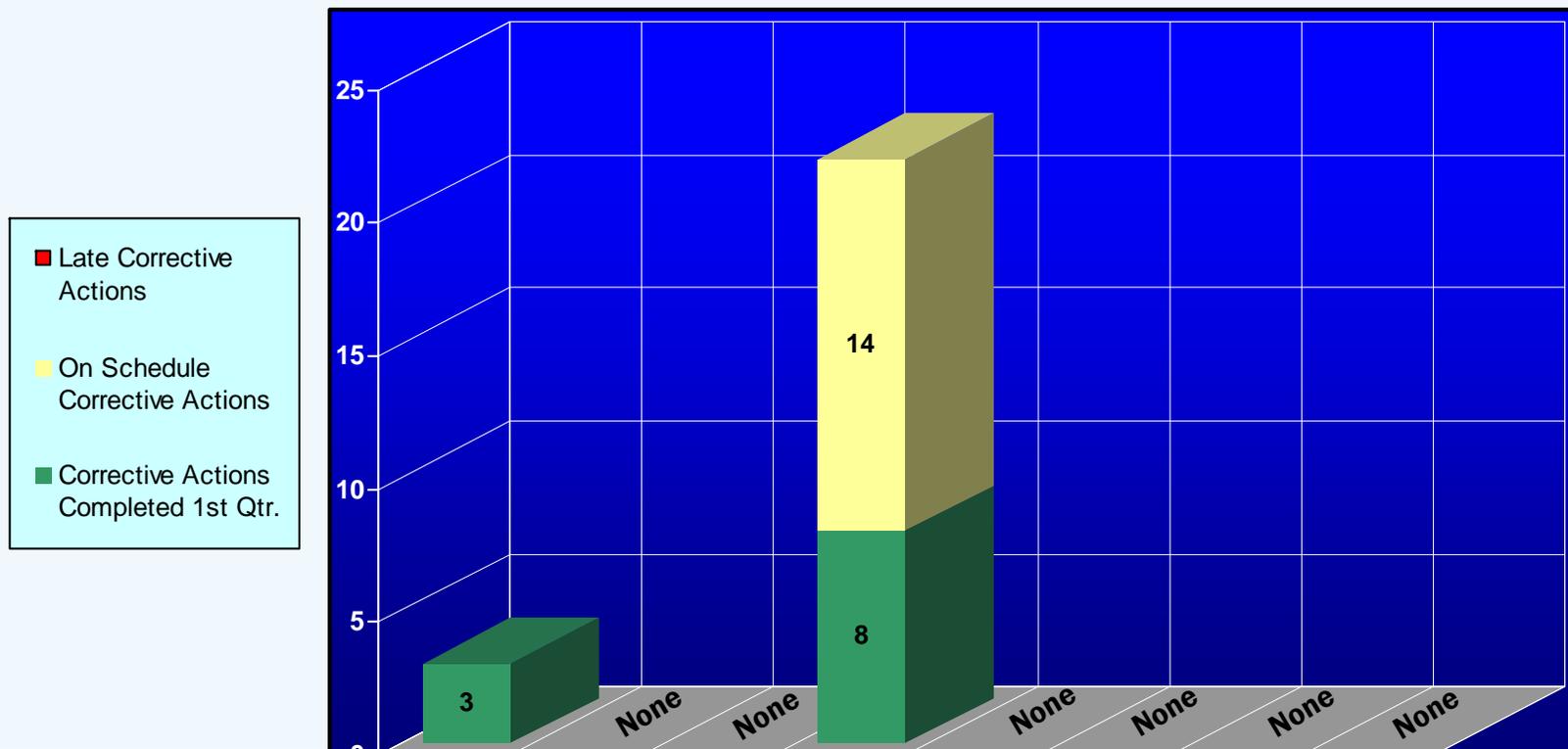
New Assessment Reports this Quarter	0
CAPs Pending Approval – Approval On Schedule	0
CAPs Pending Approval – Approval ≤ 60 Days OVERDUE	0
CAPs Pending Approval – Approval > 60 Days OVERDUE	0
Total CAPs Pending Approval	0
Approved CAPs Completed This Quarter	1
Approved CAPs – On Schedule	2
Approved CAPs – With Actions Open ≤ 90 Days OVERDUE	0
Approved CAPs – With Actions Open > 90 Days OVERDUE	0
Total Approved CAPs Still Open	2
Corrective Action Effectiveness Reviews Approved This Quarter	2
Corrective Action Effectiveness Reviews – On Schedule	1
Corrective Action Effectiveness Reviews – Approval OVERDUE	0
Total Pending Effectiveness Reviews	1

Summary of Corrective Actions for the Under Secretary of Energy



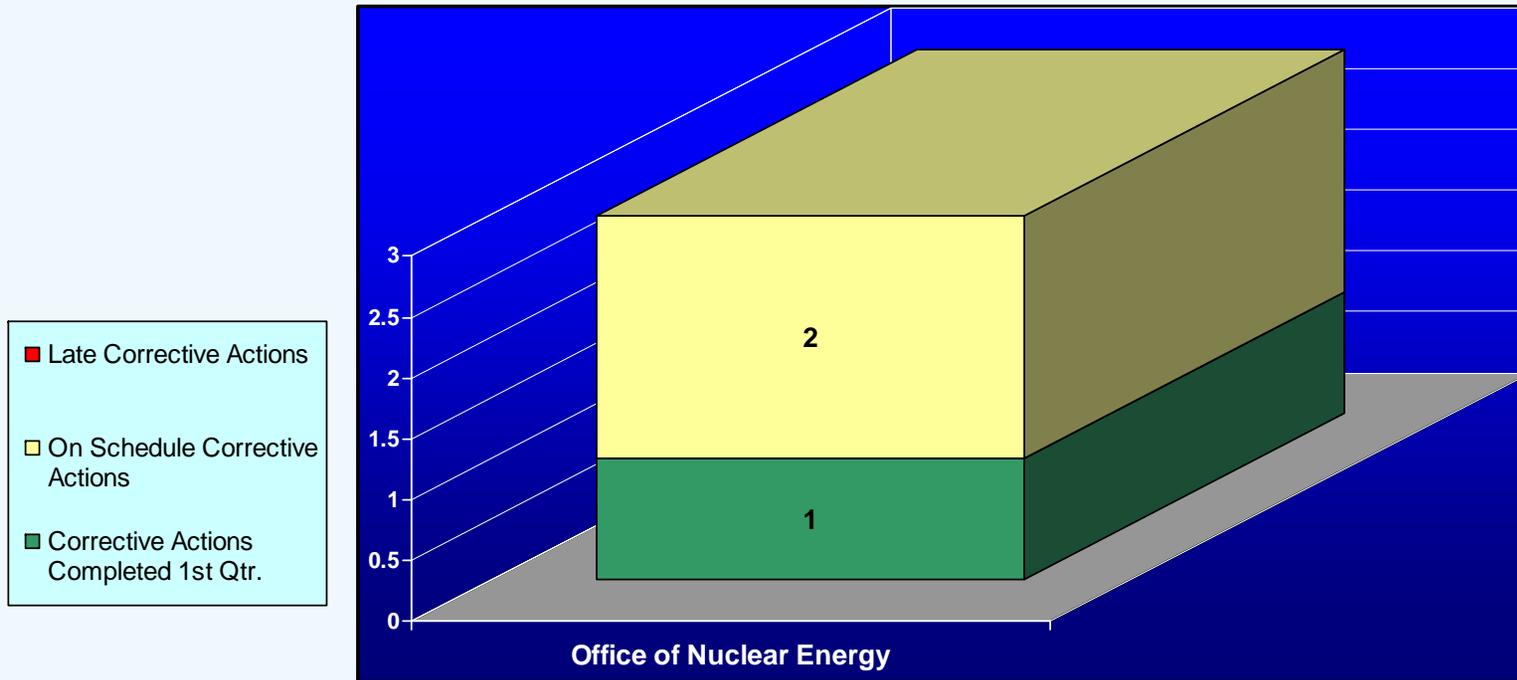
UNDER SECRETARY OF ENERGY	EM	NE	TOTALS
Total Active Reports	11	2	13
Total Findings	126	26	152
Total Corrective Actions	808	233	1041
Completed Corrective Actions	794	231	1025
Open Corrective Actions	14	2	16
Late Corrective Actions	0	0	0
On Schedule Corrective Actions	14	2	16
Corrective Actions Completed 1 st Qtr.	11	1	12

Status of Corrective Actions for the Assistant Secretary for Environmental Management



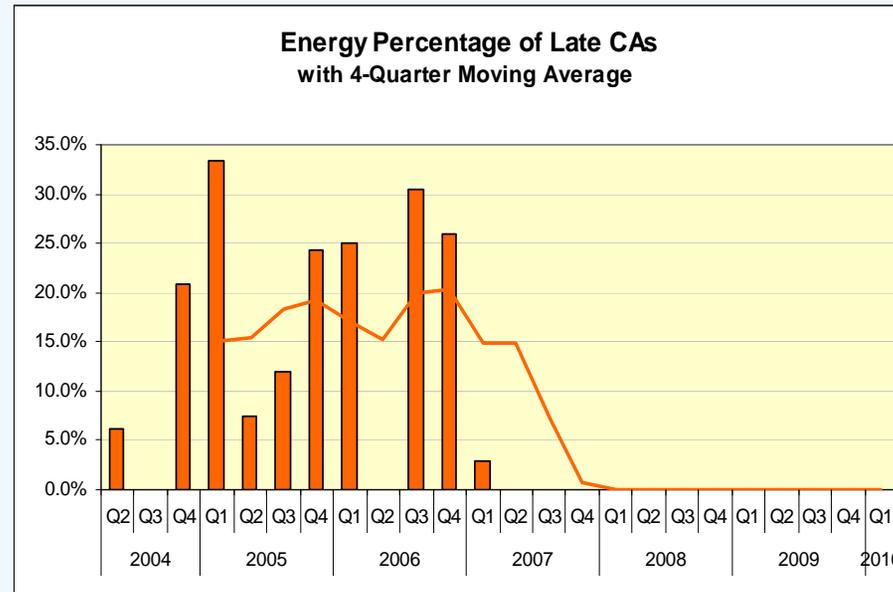
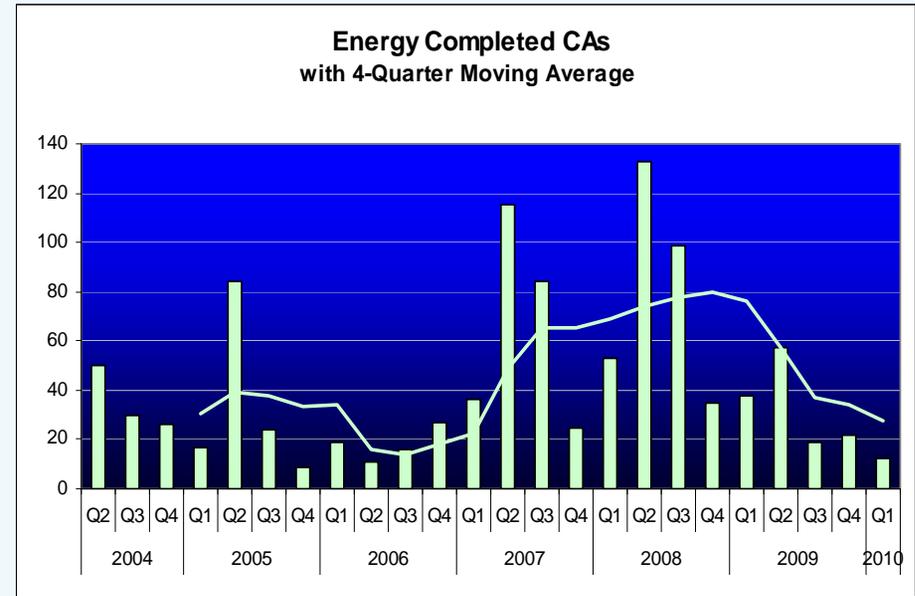
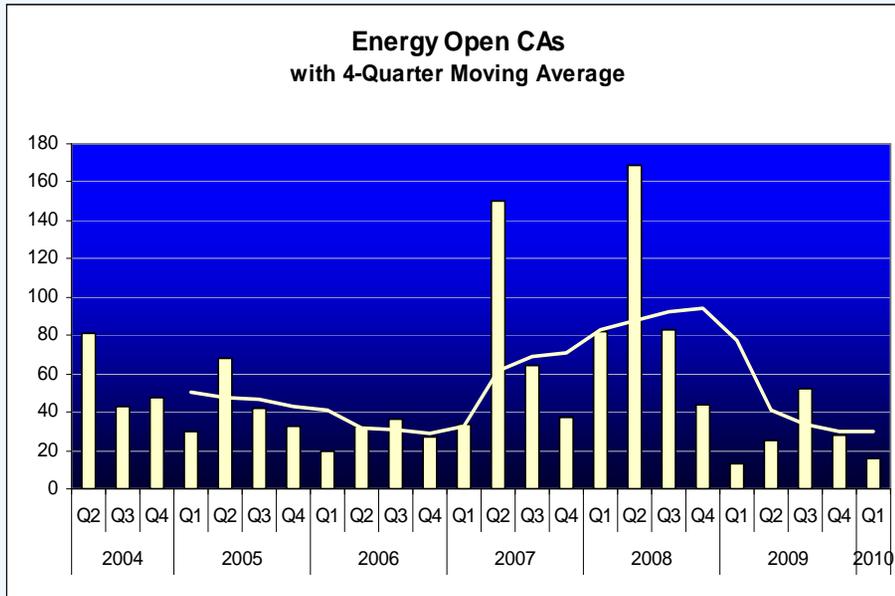
EM SITE	ETTP	ICP	OR	ORP	PPPO	RL	SR	WIPP	TOTALS
Total Active Reports	1	1	1	2	1	1	3	1	11
Total Findings	11	3	24	23	6	19	27	13	126
Total Corrective Actions	79	44	92	146	0	192	164	91	808
Completed Corrective Actions	79	44	92	132	0	192	164	91	794
Open Corrective Actions	0	0	0	14	0	0	0	0	14
Late Corrective Actions	0	0	0	0	0	0	0	0	0
On Schedule Corrective Actions	0	0	0	14	0	0	0	0	14
Corrective Actions Completed 1st Qtr.	3	0	0	8	0	0	0	0	11

Status of Corrective Actions for the Assistant Secretary for Nuclear Energy



NUCLEAR ENERGY	INL
Total Active Reports	2
Total Findings	26
Total Corrective Actions	233
Completed Corrective Actions	231
Open Corrective Actions	2
Late Corrective Actions	0
On Schedule Corrective Actions	2
Corrective Actions Completed 1 st Qtr.	1

Energy Corrective Action Trends



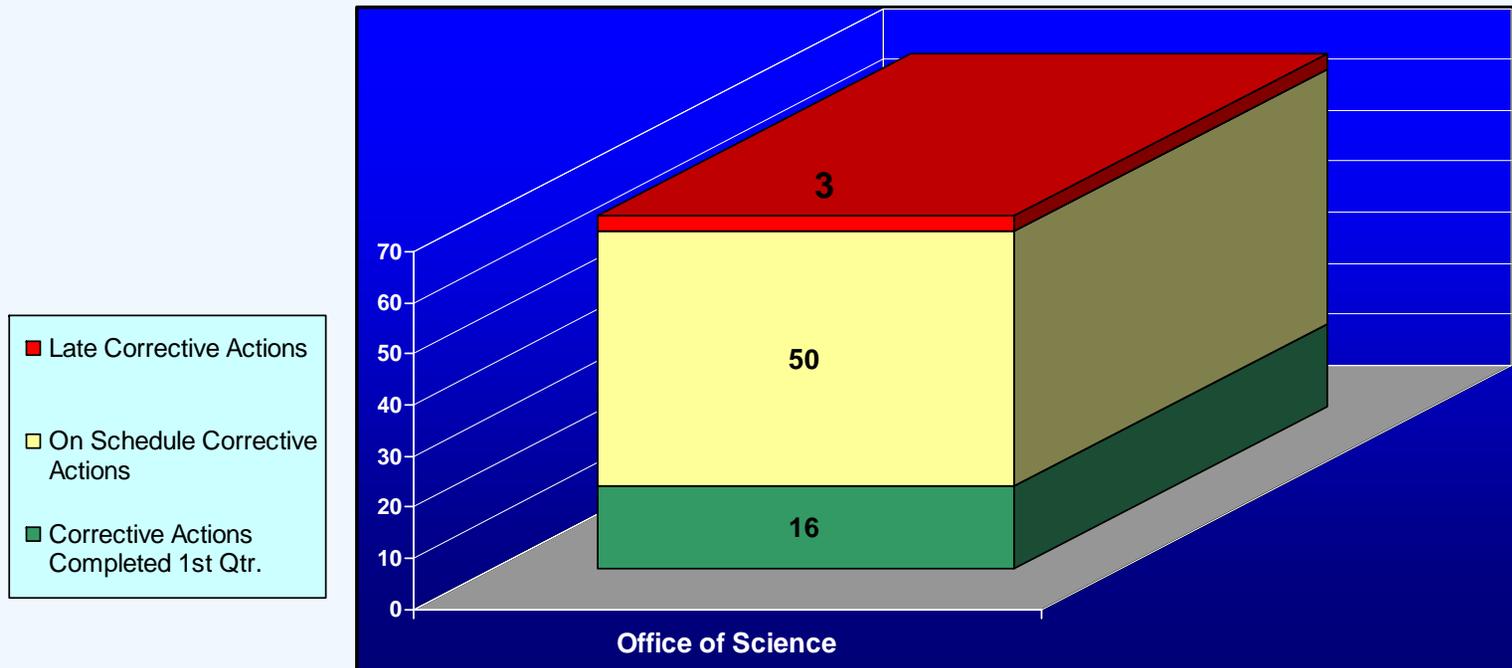


Under Secretary for Science

Under Secretary for Science Summary

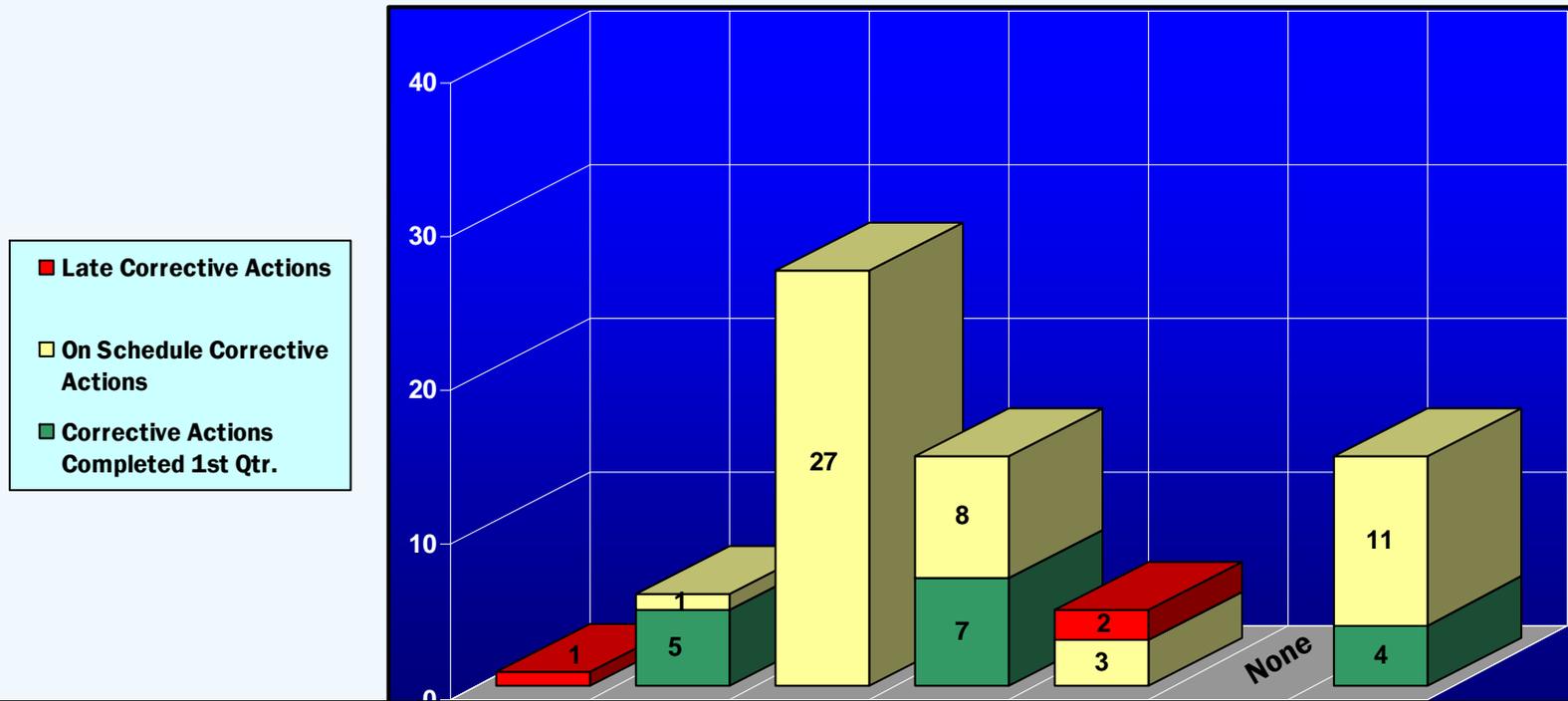
New Assessment Reports this Quarter	0
CAPs Pending Approval – Approval On Schedule	0
CAPs Pending Approval – Approval ≤ 60 Days OVERDUE	0
CAPs Pending Approval – Approval > 60 Days OVERDUE	0
Total CAPs Pending Approval	0
Approved CAPs Completed This Quarter	1
Approved CAPs – On Schedule	6
Approved CAPs – With Actions Open ≤ 90 Days OVERDUE	0
Approved CAPs – With Actions Open > 90 Days OVERDUE	1
Total Approved CAPs Still Open	7
Corrective Action Effectiveness Reviews Approved This Quarter	0
Corrective Action Effectiveness Reviews – On Schedule	2
Corrective Action Effectiveness Reviews – Approval OVERDUE	0
Total Pending Effectiveness Reviews	2

Summary of Corrective Actions for the Under Secretary for Science



OFFICE OF SCIENCE	All SC
Total Active Reports	11
Total Findings	100
Total Corrective Actions	675
Completed Corrective Actions	622
Open Corrective Actions	53
Late Corrective Actions	3
On Schedule Corrective Actions	50
Corrective Actions Completed 1 st Qtr.	16

Status of Corrective Actions for the Director, Office of Science



SCIENCE SITE	ASO	BHSO	LBNL	OR	PNNL	SLAC	TJNA	TOTALS
Total Active Reports	1	3	1	3	1	1	1	11
Total Findings	24	23	10	23	1	14	5	100
Total Corrective Actions	263	113	28	136	10	89	36	675
Completed Corrective Actions	262	112	1	128	5	89	25	622
Open Corrective Actions	1	1	27	8	5	0	11	53
Late Corrective Actions	1	0	0	0	2	0	0	3
On Schedule Corrective Actions	0	1	27	8	3	0	11	50
Corrective Actions Completed 1 st Qtr.	0	5	0	7	0	0	4	16

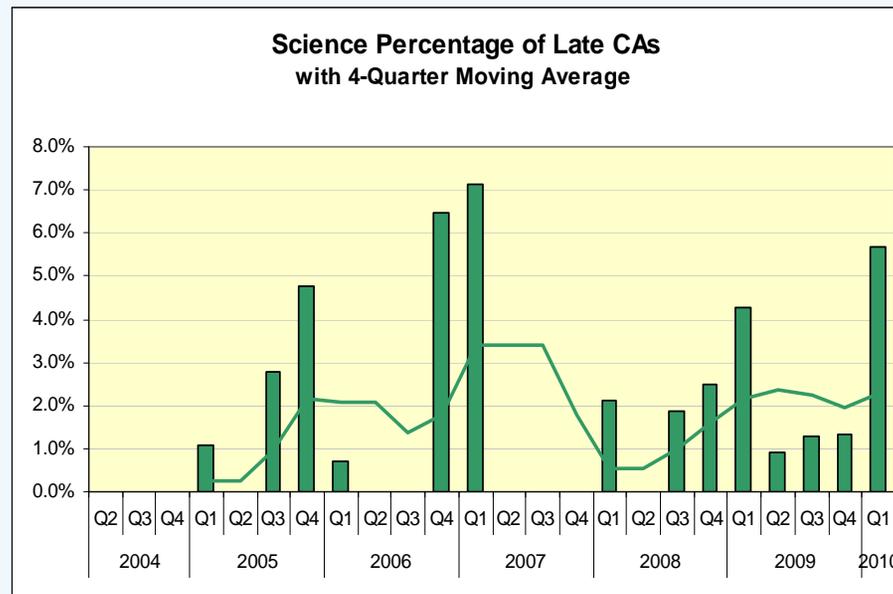
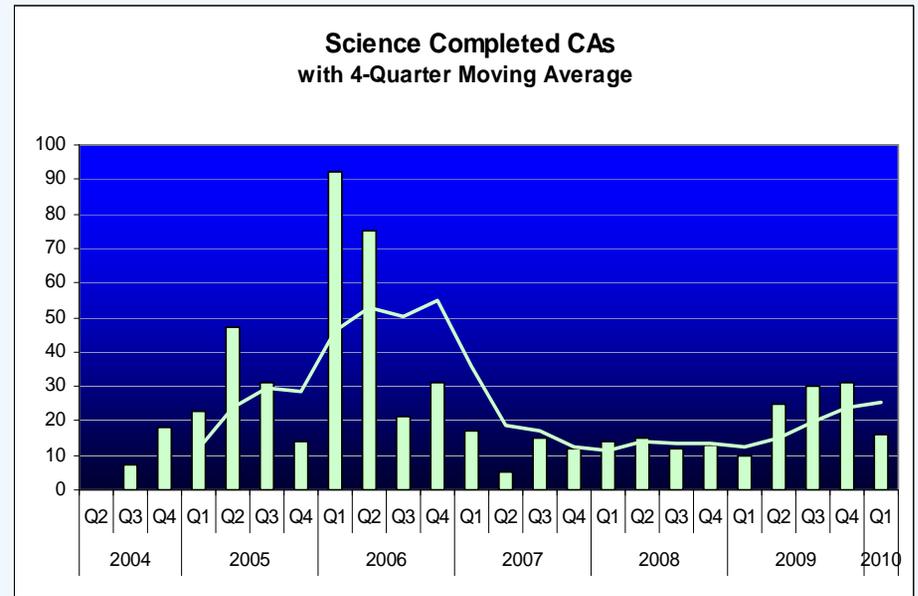
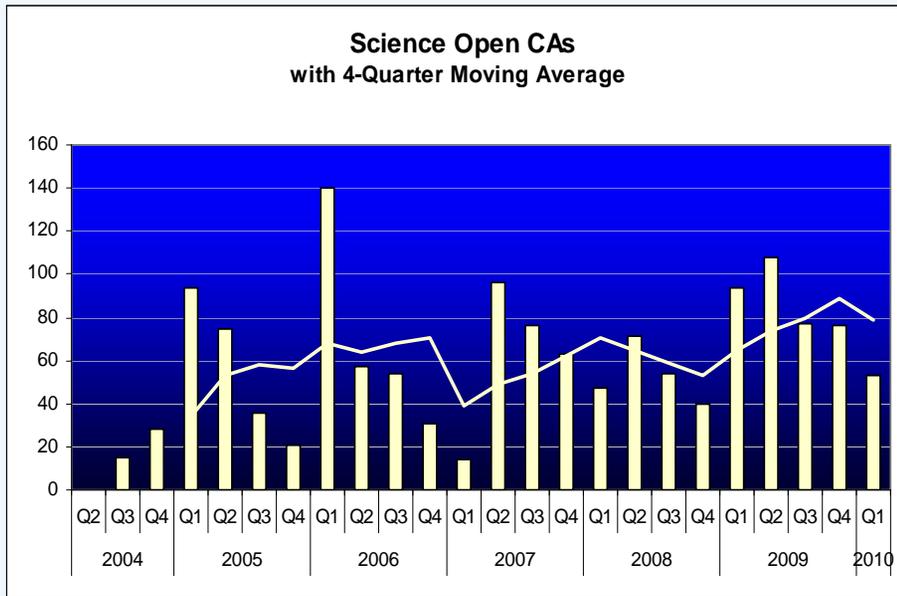
Director, Office of Science

Late Corrective Actions

ARGONNE NATIONAL LABORATORY: Report Number: ANLE-07/07/2005-0001-R-ES&H Report Title: "Final Report of the Office of Independent Oversight and Performance Assurance "Inspection of the Environment, Safety, and Health Management at the Argonne National Laboratory, May 2005" Late Corrective Action 1: ANLE-07/07/2005-I0019-0005-A due 05/30/2008
Argonne National Laboratory - Total Late Corrective Actions: 1
Pacific Northwest National Laboratory: Report Number: PNNL-04/16/2009-0001-R-NS Report Title: "Independent Oversight Follow-up Review of Nuclear Safety Programs at Pacific Northwest National Laboratory, April 2009" Late Corrective Action 1: PNNL-04/16/2009-I0001-0004-A due 12/1/2009 Late Corrective Action 2: PNNL-04/16/2009-I0001-0005-A due 12/1/2009
Pacific Northwest National Laboratory - Total Late Corrective Actions: 2
OFFICE OF SCIENCE TOTAL LATE CORRECTIVE ACTIONS: 3

The Argonne National Laboratory corrective action was due on May 30, 2008 and has been late for over 20 months.

Science Corrective Action Trends



Abbreviations

ASO	Argonne Site Office	NTS	Nevada Test Site
BHSO	Brookhaven Site Office	OR	Oak Ridge Operations Office
CAMP	Corrective Action Management Program	ORP	Office of River Protection
CAP	Corrective Action Plan	OST	Office of Secure Transportation
CATS	Corrective Action Tracking System	PMA	Power Marketing Administration
CH	Chicago Operations Office	PNSO	Pacific Northwest Site Office
EM	Office of Environmental Management	PP	Pantex Plant
ETTP	East Tennessee Technology Park	PPPO	Portsmouth/Paducah Project Office
HQ	Department of Energy Headquarters	PSO	Pantex Site Office
HS	Office of Health, Safety & Security	RL	Richland Operations Office
ICP	Idaho Cleanup Project	SC	Office of Science
ID	Idaho Operations Office	SLAC	Stanford Linear Accelerator Center
INL	Idaho National Laboratory	SNL	Sandia National Laboratories
KCP	Kansas City Plant	SO	Secretarial Office
KCSO	Kansas City Site Office	SR	Savannah River Operations Office
LANL	Los Alamos National Laboratory	SRS	Savannah River Site
LASO	Los Alamos Site Office	SSO	Sandia Site Office
LLNL	Lawrence Livermore National Laboratory	WAPA	Western Area Power Administration
LSO	Livermore Site Office	WIPP	Waste Isolation Pilot Plant
NAEO	NNSA Emergency Operations	XM	Emergency Management
NE	Office of Nuclear Energy	Y-12	Y-12 National Security Complex
NNSA	National Nuclear Security Administration	YSO	Y-12 Site Office
NSO	Nevada Site Office		