

ESH&QA ***Performance Report***

First Quarter FY 2004



*Idaho National Engineering and Environmental Laboratory
Bechtel BWXT Idaho, LLC*

**ESH&QA
Performance Report
First Quarter FY 2004**

Idaho National Engineering and Environmental Laboratory
Idaho Falls, Idaho 83415

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Foreword

The 85 measures in this report are those identified in the FY-2004 Safety (ESH&QA) Performance Objectives, Measures, and Commitments (SPOMC). The SPOMC are submitted to and approved by NE-ID annually in accordance with BBWI Contract Clause I.19, the ISMS Clause. The measures were selected to determine progress in achievement of the identified objectives.

A subset of these performance measures is reported in the monthly ESH&QA Performance Measurement Report. Performance goals have been established for the measures in the monthly report and are used to score the performance demonstrated by each measure. The purpose of the monthly report is to show performance frequently so that potential performance problems can be addressed before adverse trends develop. The purpose of this quarterly report is to monitor longer term performance for adverse trends so that additional actions can be taken to address apparent performance problems. Therefore, except for some environmental measures that are not included in the monthly reports, performance in this report is not compared to specific goals. However, the expectation is that performance reported by these measures will be good or improving, and performance indicated by the measures is rated on that basis.

This report shows performance data (where available) for most measures for 2001, 2002, 2003 and YTD-2004. Some data are reported by fiscal year and some by calendar year. The reporting basis for each measure is indicated. The report provides the performance data for each measure in tabular and graphical form. The table includes performance ratings for each measure based on observed long-term and short-term trends. The graphs include trend lines, where appropriate, to indicate trends in the performance data. The report also contains an overall summary of the performance demonstrated by the measures.

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Performance Summary

Environment

Long-term environmental compliance continues to be good; however, during the first quarter of FY-2004 one environmental release was reported and a notice of violation containing five environmental deficiencies was received from the State of Idaho for an inspection performed in September 2003. All enforceable milestones, Site Treatment Plan milestones, and Settlement Agreement milestones due in first quarter FY-2004 were completed on or ahead of schedule.

No pollution prevention data was available for the first quarter FY-2004, but through FY-2003, goals for waste reduction, waste recycling, and chemical usage were being met. No data is provided for energy consumption because FY-2004 data is not yet available and previous data is being reviewed. Goals for petroleum consumption and alternative fuel usage are not being met.

Safety and Health

Long-term trends indicate improved performance in 10 of the 12 safety and health performance measures. The other two measures, Day Away Case Rate and Construction Safety Violations Index, show some decline in performance long-term. However, these two measures indicate short-term improvement in performance, as do all of the other measures except the First Aid Case Rate which is essentially unchanged.

Assessment

Because of focused management attention in FY-2003, the proportion of completed vs. scheduled management and independent assessments increased steadily through the first quarter of FY-2004. During the same time period, the proportion of other assessments completed vs. scheduled declined, but this decline does not yet appear to be a performance problem. The proportion of issues identified by assessments increased significantly from 51% in FY-2002 to 71% in FY-2003 while the proportion of issues identified externally declined from 25% to 11%. Performance during the first quarter of FY-2004 was not as good as FY-2003; 62% of issues were identified by assessments and 17% were externally identified. This performance decline was caused primarily by fewer assessments being performed by BBWI and more issues being identified by NE-ID especially during the GEM ORR.

Issues

The long-term and short-term trends of 10 of the 11 types of issues included in this report show reductions in the number of issues. These reductions indicate improved performance. The number of deficiencies identified as PAAA noncompliances shows a long-term increase because of a significant increase in FY-2003. Since the total number of deficiencies declined in FY-2003, this increase is attributed to better categorization of deficiencies instead of an actual increase in PAAA noncompliances. During the first quarter of FY-2004, the rate of PAAA noncompliances declined.

Two types of occurrences show long-term reductions but indicated performance problems in FY-2003. Although the number of occurrences was the same in FY-2003 as in FY-2002, the number of occurrences classified as near misses and work control occurrences increased. Numerous actions were implemented to address this performance problem. During the first quarter of FY-2004, the rate of these types of occurrences declined significantly; only one near miss and nine work control occurrences were reported. The overall rate of occurrences also declined, but some of this decline is attributed to changes in DOE occurrence reporting requirements.

The recurring issues metrics are new for FY-2004. The data is developed from a feature added to ICARE at the end of FY-2003. No data is available for previous years.

Issues Management

Issues Management performance measures are designed to determine whether various types of issues are being resolved expeditiously. These measures show continuous improvement in on-time closure for six categories of issues and unchanged performance for the other two. Similarly, the measures show continuous reductions in late closures for six categories and slight increases in late closure for two categories.

While performance in closing issues on-time has improved, the proportion of issue extensions has increased in seven of eight categories, indicating that issues are being extended to avoid overdues. Although this is acceptable and expected on occasion, the large number of extensions has caused the average age of closed issues and open issues to steadily increase in five of seven categories. At the same time, the number of open issues has significantly declined. In addition, the average age of closed issues is significantly less than the average age of open issues for most categories, indicating that newer issues are first choice for closure. Of particular concern are adverse deficiencies, the largest category of issues. The average age of open adverse deficiencies is approximately one year which is more than any other type of issue. Adverse deficiencies require only actions to correct the immediate problem and should be closed expeditiously.

Overall, the issues management measures indicate mixed performance. While on-time closure has improved and the number of open issues has declined, those that remain open are steadily increasing in average age. The current average age of open issues for most of the issue categories, especially adverse deficiencies, indicates that a large number of older issues are not receiving adequate attention. This performance problem needs management attention.

Maintenance

Because of changes in the basis of some maintenance metrics and the nature of others, long-term performance is difficult to evaluate. The maintenance measures in this report do not indicate any apparent performance trends.

Performance Summary

First Quarter FY 2004, and End-of-Year CY 2003

This table shows all performance measures and rates the long-term and short-term performance trends as follows:

+ Performance is good or improved.

≈ Performance is unchanged.

? Performance is underterminate.

- Performance is poor or declining..

Metric	Page	Time Period	2001	2002	2003	2004 YTD	Trend	
							Long-Term	Short-Term
Environment								
Environmental Compliance								
Reportable Releases to the Environment	2	FY	6	1	0	1	+	-
Externally Identified Deficiencies	2	FY	20	21	4	5	+	-
Enforceable Milestones	2	FY	Completed	Completed	Completed	Completed	+	+
Site Treatment Plan Milestones	3	FY	Completed	Completed	Completed	Completed	+	+
Settlement Agreement Milestones	3	FY	Completed	Completed	Completed	Completed	+	+
Pollution Prevention								
Hazardous Waste Generation (metric tons)	4	FY	22.5	18.2	8.7	N/A	+	?
Radioactive Low-Level Waste Generation (m3)	4	FY	1949	2430	369	N/A	+	?
Mixed Low-Level Waste Generation (m3)	4	FY	87.5	55.9	21.5	N/A	+	?
Sanitary Waste Recycling	5	FY	40%	47%	54%	N/A	+	?
SARA 313 Chemical Usage (lbs.)	5	CY	67,452	47,214	N/A	N/A	+	?
Energy Efficiency								
Energy Consumption (KBTU/ft2)	6	FY	Data	Under	Review	N/A	?	?
Petroleum Consumption (10,000 gallons)	6	FY	103	100	98	20	-	+
Petroleum Consumption	7	FY	95%	94%	96%	92%	-	-
Alternative Fuel Usage	7	FY	16%	29%	20%	24%	-	-
Safety and Health								
Occupational Safety								
Day Away Case Rate	8	CY	0.30	0.48	0.42	N/A	-	-
Total Recordable Case Rate	8	CY	2.32	1.73	1.30	N/A	+	≈
First Aid Case Rate	8	CY	3.45	3.43	3.49	N/A	≈	≈
Total Case Incidence Rate	9	CY	5.76	5.16	4.80	N/A	+	≈
Work Control Recordable Cases	9	FY	N/A	59	28	2	+	+
Unprotected Exposures Exceeding TLV's or PEL's	9	FY	N/A	0	0	0	+	+
Construction Safety Violations Index	10	FY	0.73	0.91	1.53	1.10	-	+
Nuclear Facility Fire Protection Inspection, Testing, and Maintenance	10	FY	83%	96%	96%	99%	+	+
Water-Based Suppression System Inspection, Testing, and Maintenance	10	FY	N/A	88%	100%	100%	+	+

Metric	Page	Time Period	2001	2002	2003	2004 YTD	Trend	
							Long-Term	Short-Term
Radiological Safety								
Radiological Skin Contaminations	11	CY	4	1	1	0	+	+
Radiological Uptakes	11	CY	0	0	0	0	+	+
Radiation Dose to Public (person-rem)	11	CY	2.54	0.93	N/A	N/A	+	?
Assessment								
Completion of Scheduled Management and Independent Assessments	12	FY	N/A	N/A	87%	96%	+	+
Completion of All Other Scheduled Assessments	12	FY	N/A	N/A	90%	85%	-	-
Issues Identified by Assessments	13	FY	N/A	51%	70%	62%	+	-
Externally Identified Issues	13	FY	29%	25%	11%	17%	+	-
Issues and Issues Management								
Reportable Occurrences	14	FY	143	103	103	15	+	+
Near Miss Occurrences	14	FY	24	13	19	1	+	+
Safety Basis Violations	15	FY	8	14	5	0	+	+
Work Control Occurrences	15	FY	N/A	59	71	9	+	+
Occurrences Closed On-Time	16	FY	96%	95%	95%	93%	≈	-
Occurrences Extended	16	FY	4%	2%	2%	2%	+	≈
Occurrences Closed Late	16	FY	4.5%	5%	5.4%	7.4%	-	-
Average Age of Closed Occurrences	17	FY	77	89	91	108	-	-
Average Age of Open Occurrences	17	FY	196	219	139	179	+	-
PAAA Noncompliances	18	FY	489	409	548	118	-	+
PAAA Noncompliances Closed On-Time	18	FY	70%	84%	89%	85%	+	-
PAAA Noncompliances Closed Late	18	FY	29%	15%	10%	15%	+	-
PAAA Noncompliances Extended	19	FY	10%	21%	21%	21%	-	≈
Average Age of Closed PAAA Noncompliances	19	FY	138	131	138	133	≈	≈
Average Age of Open PAAA Noncompliances	19	FY	165	179	173	203	-	-
PAAA Reportable Noncompliances	20	FY	27	22	17	1	+	+
Self-Identified PAAA Reportable Noncompliances	20	FY	66%	72%	88%	0%	+	-
PAAA Noncompliances Closed On-Time	20	FY	98%	98%	96%	98%	≈	+
PAAA Noncompliances Closed Late	21	FY	2%	2%	4%	2%	-	+
PAAA Noncompliances Extended	21	FY	14%	9%	13%	13%	-	-
Significant Deficiencies	22	FY	107	68	31	14	+	-
Significant Deficiencies Closed On-Time	22	FY	57%	70%	89%	93%	+	+
Significant Deficiencies Extended	22	FY	10%	34%	30%	39%	-	-
Significant Deficiencies Closed Late	23	FY	42%	29%	11%	7%	+	+
Average Age of Closed Significant Deficiencies	23	FY	424	315	539	360	+	+
Average Age of Open Significant Deficiencies	23	FY	469	478	444	296	≈	+

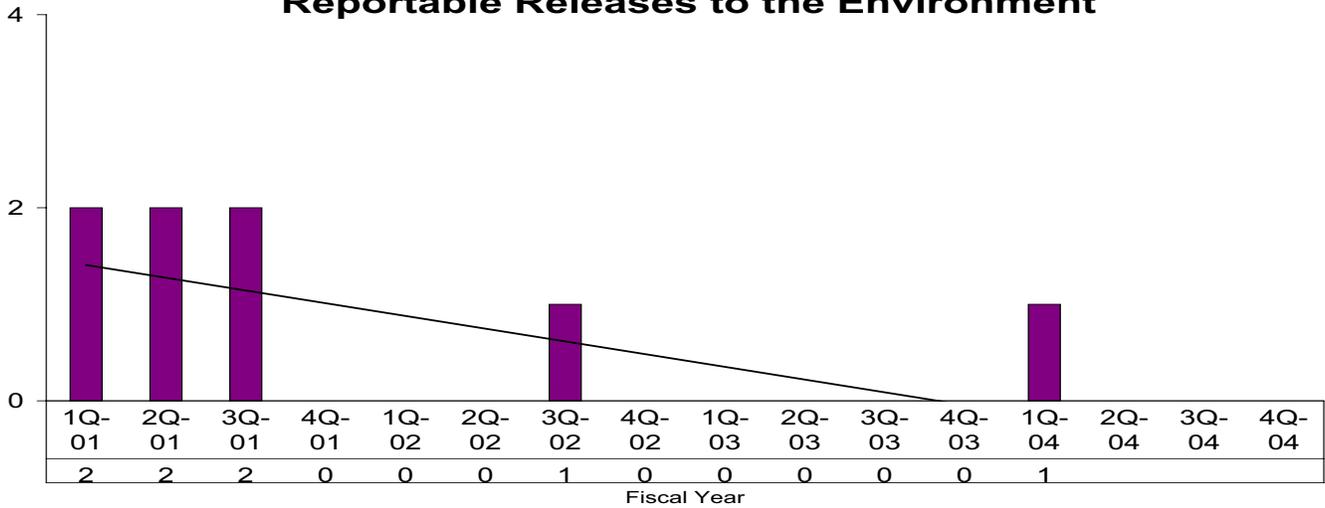
Metric	Page	Time Period	2001	2002	2003	2004 YTD	Trend	
							Long-Term	Short-Term
Adverse Deficiencies	24	FY	1772	1308	1183	190	+	+
Adverse Deficiencies Closed On-Time	24	FY	75%	86%	90%	87%	+	-
Adverse Deficiencies Extended	24	FY	6%	21%	20%	19%	-	≈
Adverse Deficiencies Closed Late	25	FY	25%	14%	10%	13%	+	-
Average Age of Closed Adverse Deficiencies	25	FY	157	159	179	122	-	+
Average Age of Open Adverse Deficiencies	25	FY	292	325	302	355	-	-
Nonconformances	26	FY	783	870	418	78	+	+
Nonconformances Closed On-Time	26	FY	76%	88%	76%	88%	+	+
Nonconformances Closed Late	26	FY	24%	12%	24%	12%	+	+
Average Age of Closed Nonconformances	27	FY	45	42	65	100	-	-
Average Age of Open Nonconformances	27	FY	73	86	147	145	-	≈
Safety Concerns	28	FY	869	319	318	69	+	+
Safety Concerns Closed On-Time	28	FY	91%	92%	93%	95%	+	+
Safety Concerns Extended	28	FY	8%	15%	14%	21%	-	-
Safety Concerns Closed Late	29	FY	9%	8%	7%	5%	+	+
Average Age of Closed Safety Concerns	29	FY	57	109	110	111	-	-
Average Age of Open Safety Concerns	29	FY	220	226	217	245	≈	-
Other Issues	30	FY	814	691	602	146	+	≈
Other Issues Closed On-Time	30	FY	88%	85%	89%	91%	+	+
Other Issues Extended	30	FY	10%	14%	16%	18%	-	-
Other Issues Closed Late	31	FY	12%	15%	11%	9%	+	≈
Average Age of Closed Other Issues	31	FY	52	94	116	108	-	+
Average Age of Open Other Issues	31	FY	79	131	152	163	-	-
Recurring Deficiencies	32	FY	N/A	N/A	N/A	22	?	?
Recurring Safety Concerns	32	FY	N/A	N/A	N/A	0	?	?
Recurring Other Issues	32	FY	N/A	N/A	N/A	4	?	?
Maintenance								
Backlog of Maintenance and Repair (Work Orders/Hours)	33	FY	N/A	N/A	496/ 27,000	363/ 31,000	?	?
Preventive Maintenance Completion Rate	33	FY	N/A	N/A	86%	88%	≈	≈
Work Order Mean Time To Repair Priority 2 (avg. days to complete) Priority 3 (avg. days to complete) Priority 4 (avg. days to complete)	33	FY	N/A	N/A	8 36 57	2 16 38	?	?

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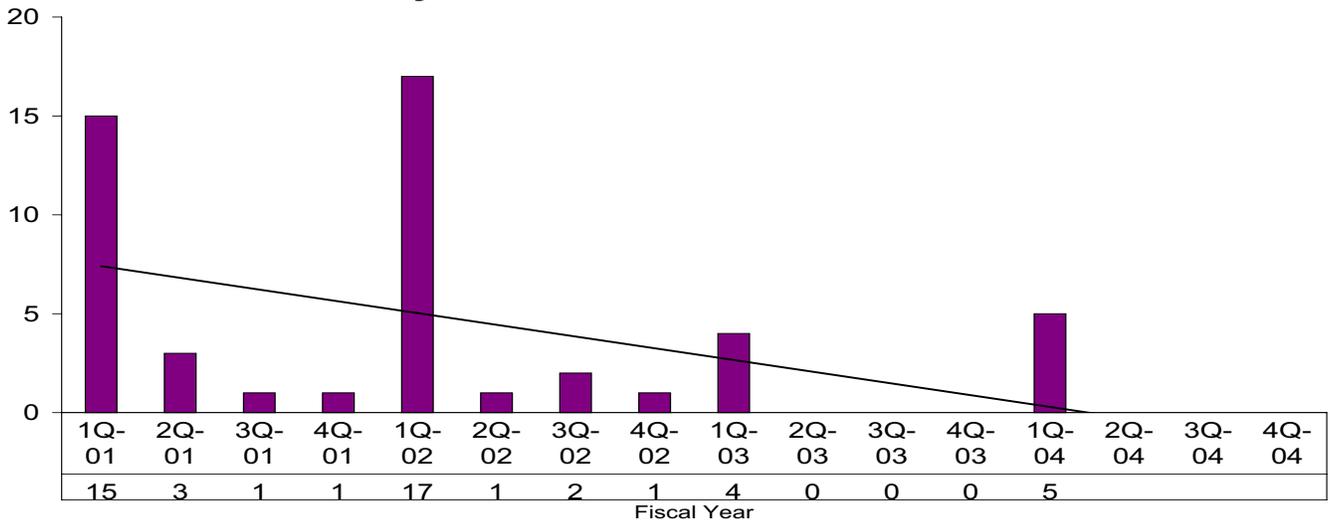
Graphs of Performance Measures

Environmental Compliance

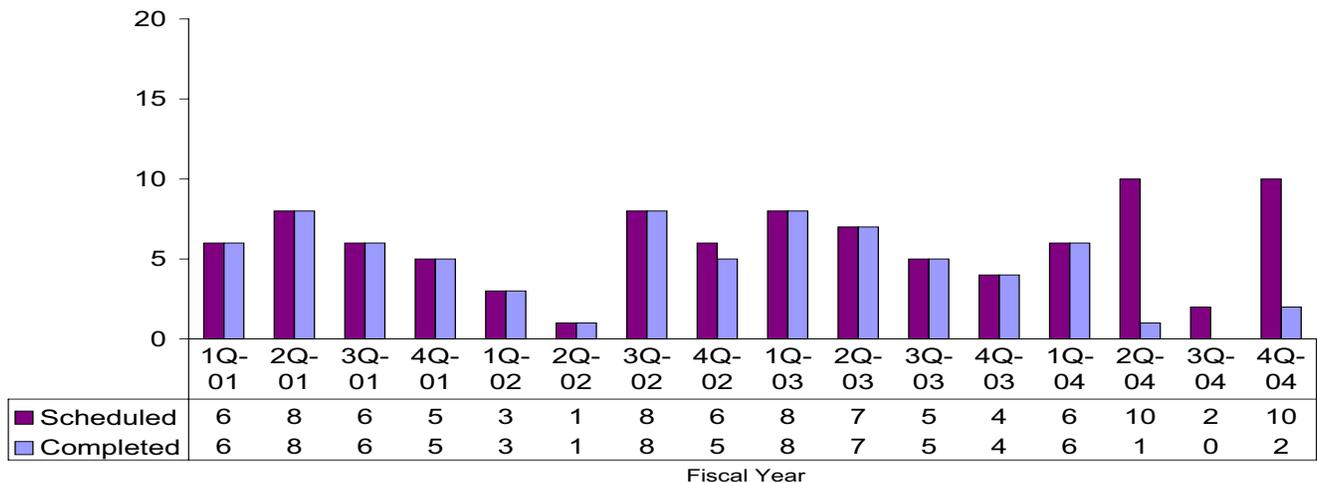
Reportable Releases to the Environment



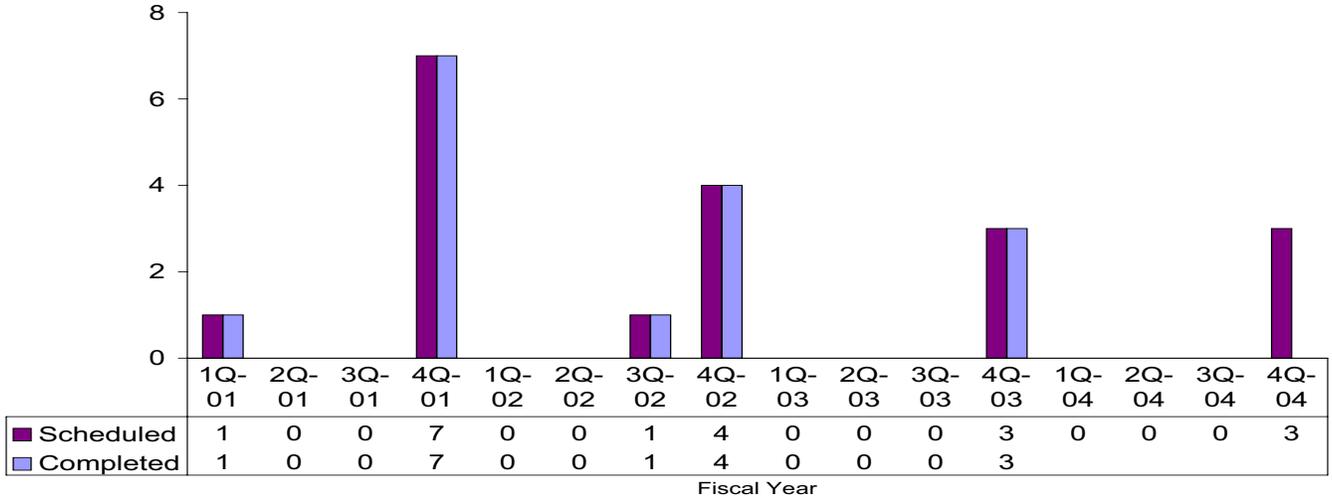
Externally Identified Environmental Issues



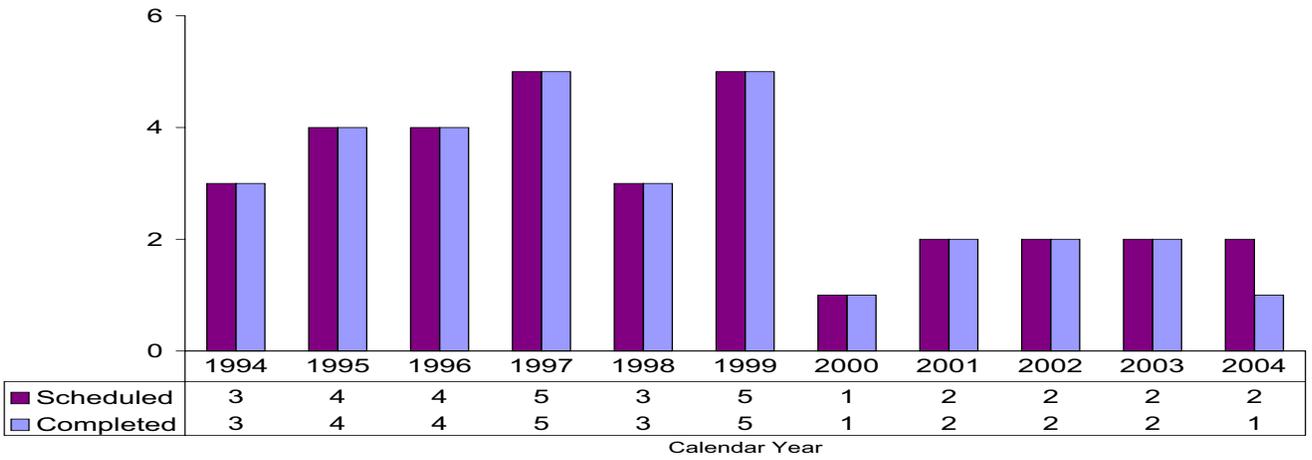
Enforceable Milestones FFA/CO, NOV/CO, & VCO



Site Treatment Plan Milestones

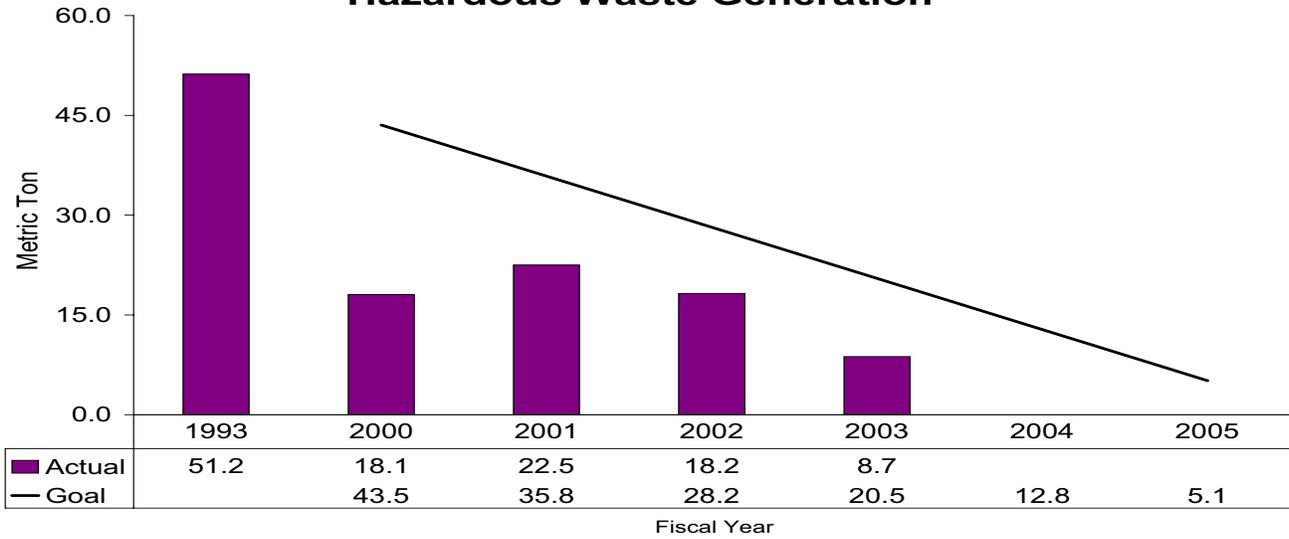


Settlement Agreement Milestones

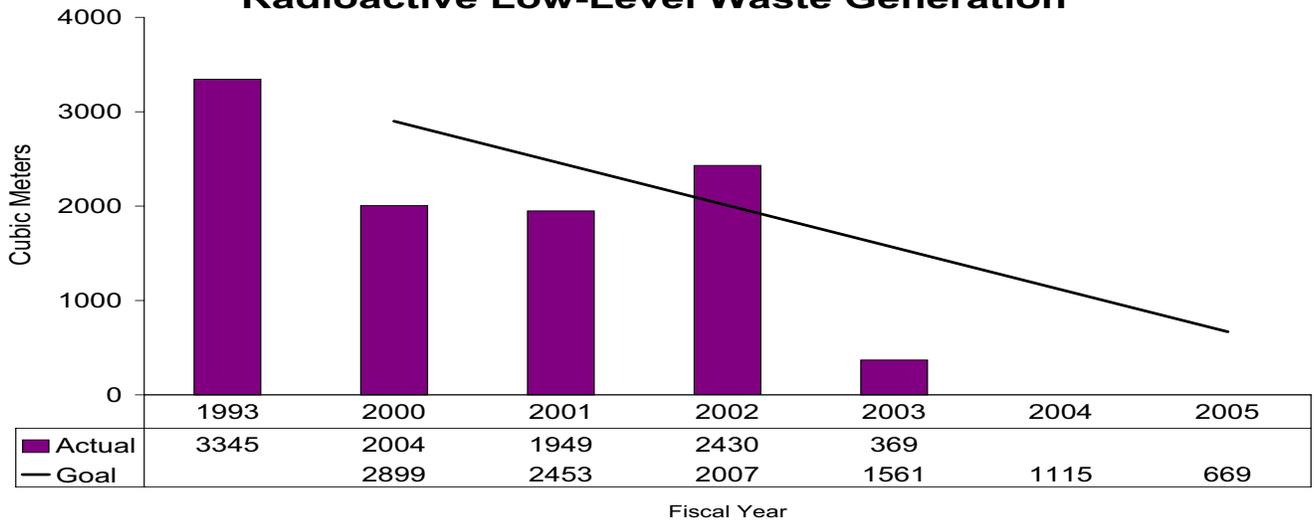


Pollution Prevention

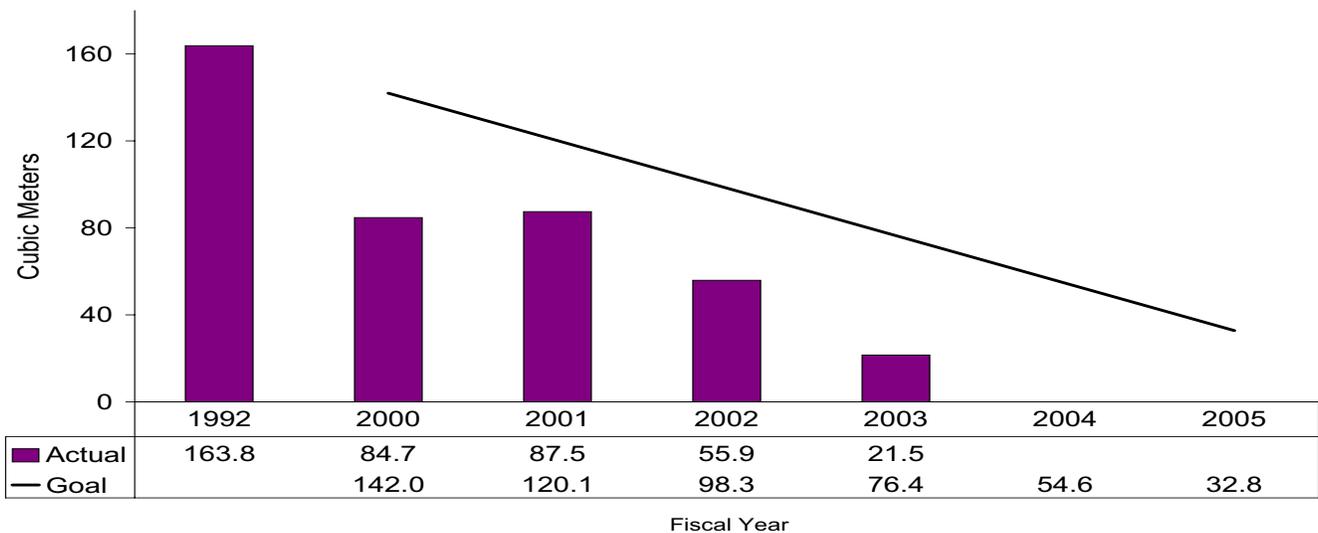
Hazardous Waste Generation



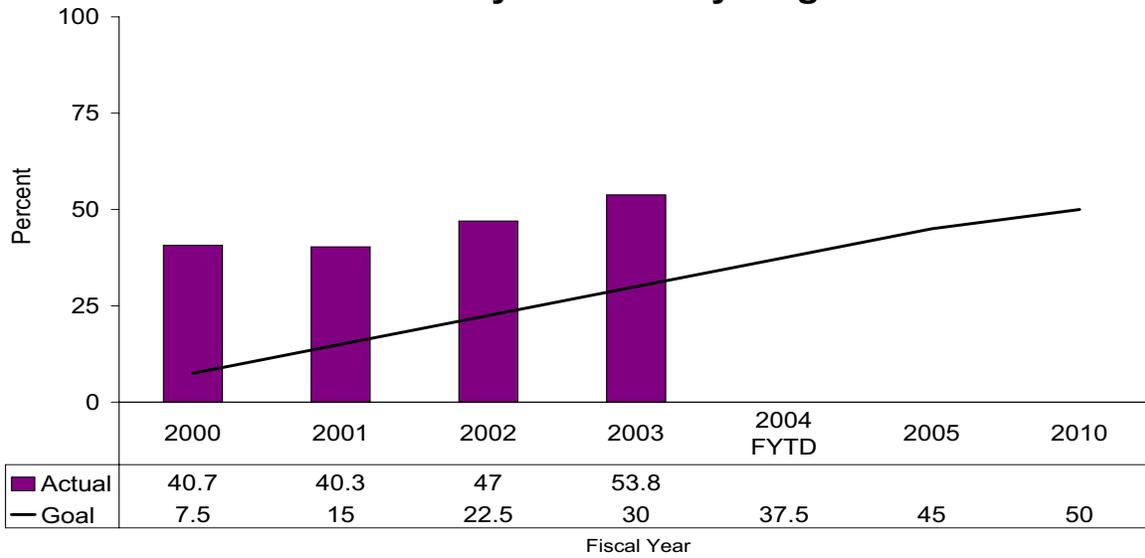
Radioactive Low-Level Waste Generation



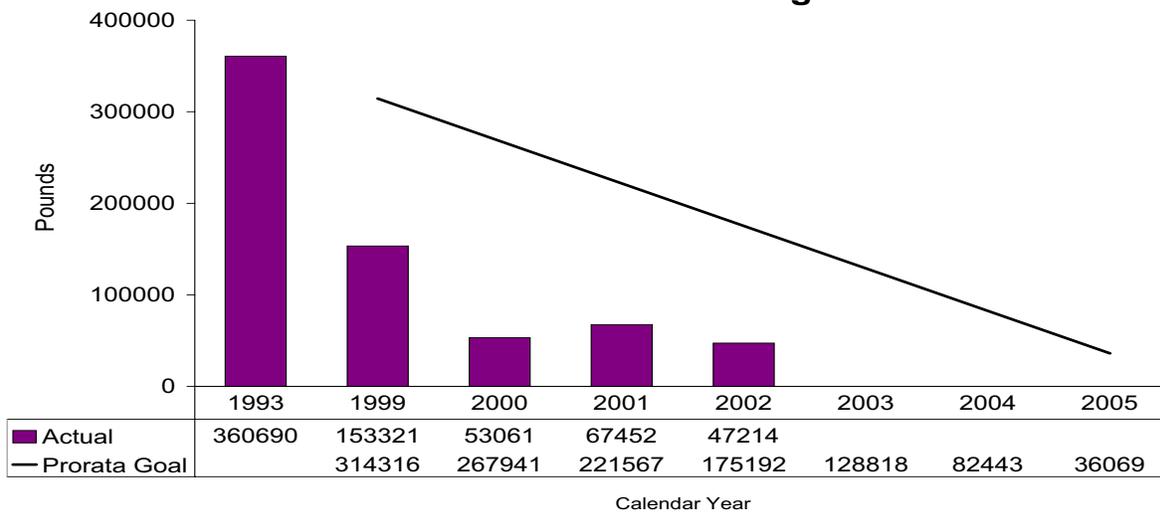
Mixed Low-Level Waste Generation



Sanitary Waste Recycling



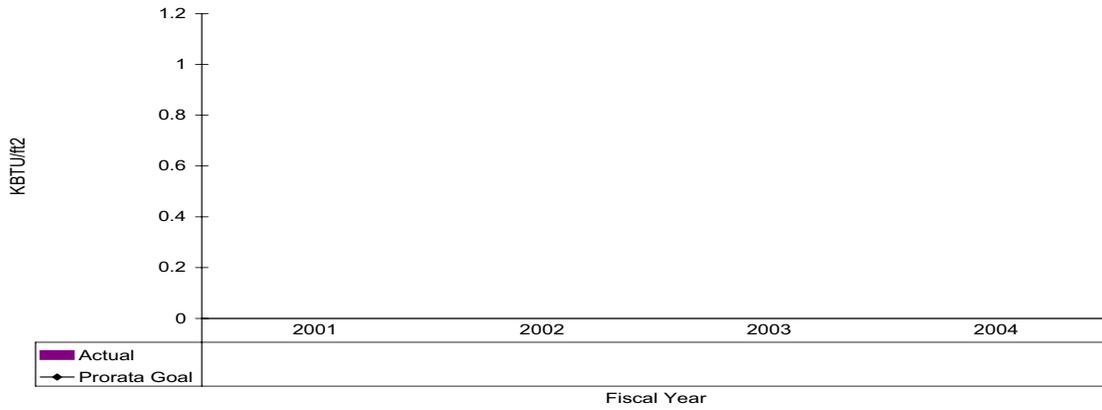
SARA 313 Chemical Usage



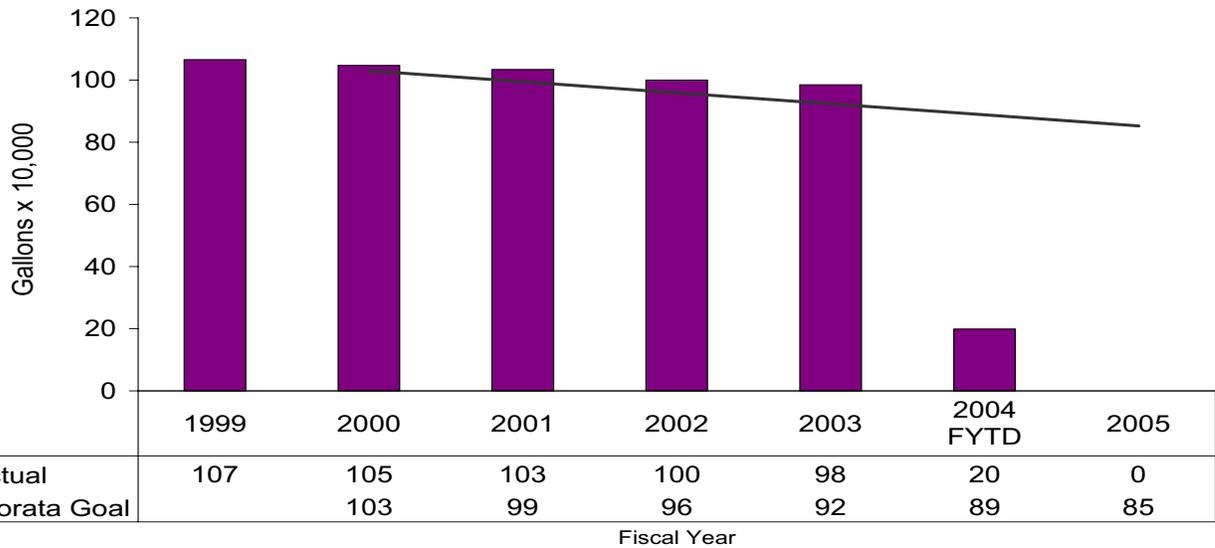
Energy Efficiency

Energy Consumption

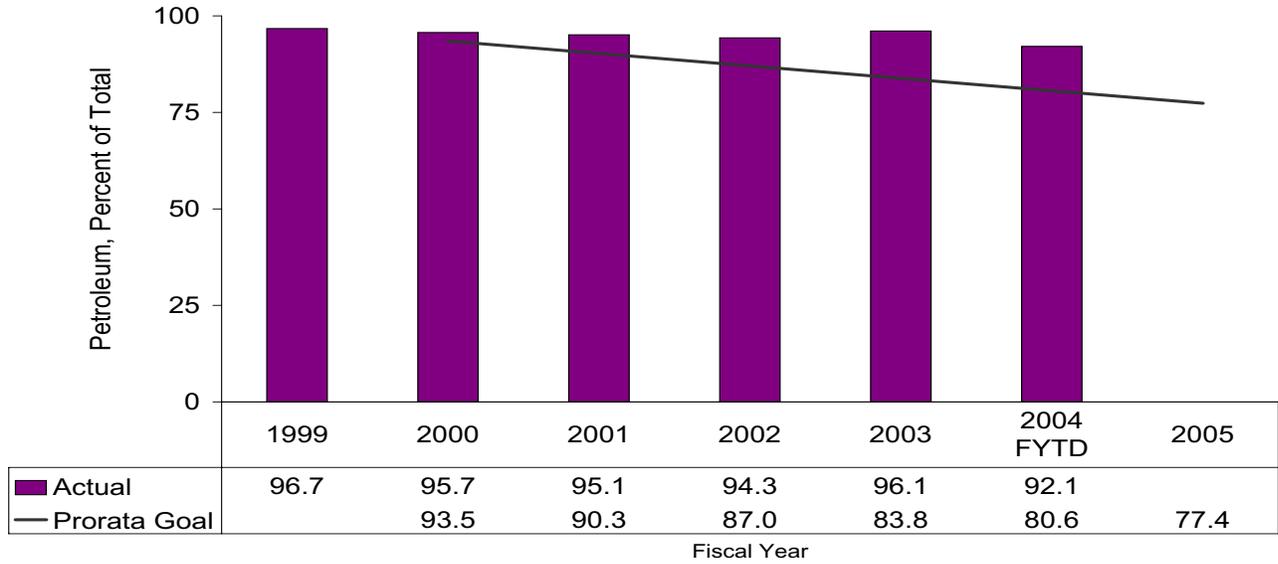
Data Under Review



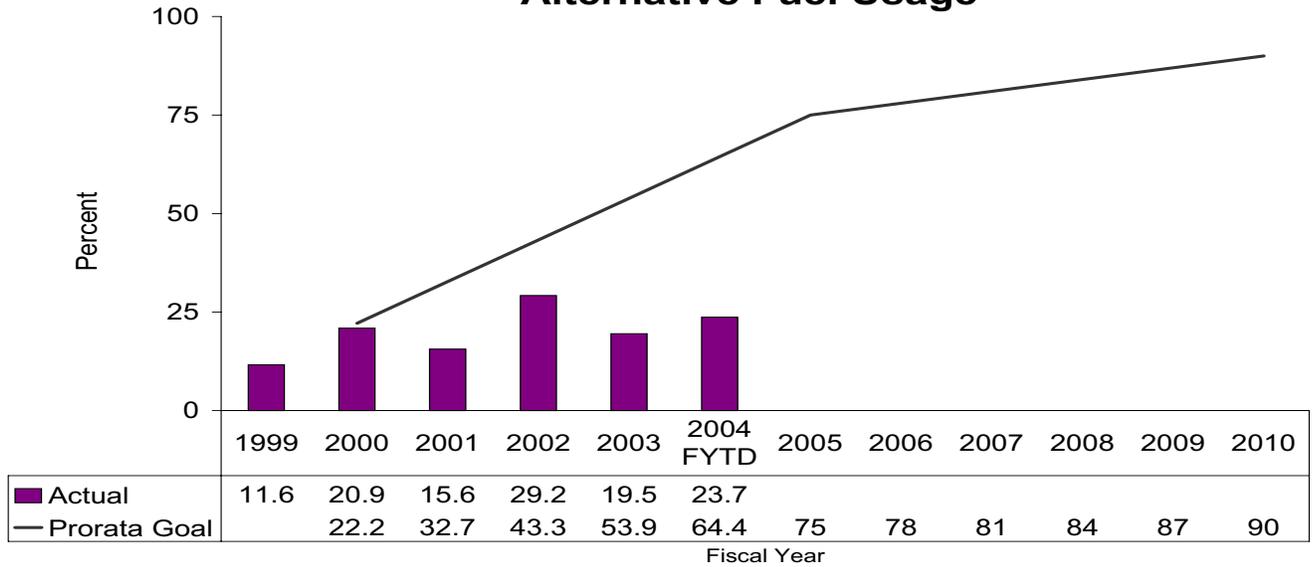
Petroleum Consumption



Petroleum as a Percent of Fleet Fuel Consumption

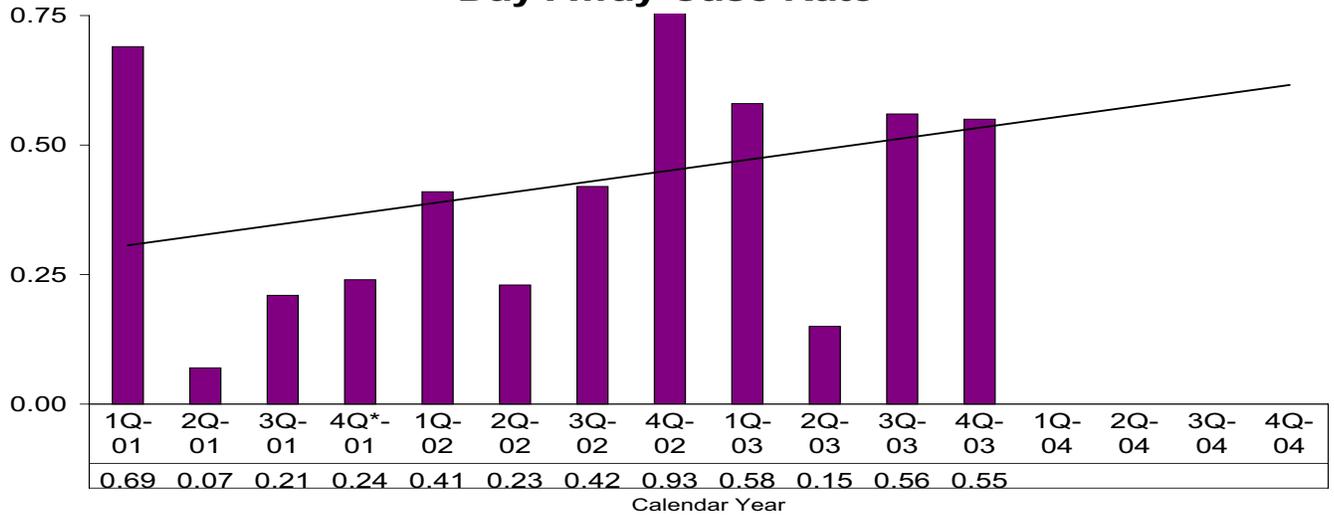


Alternative Fuel Usage

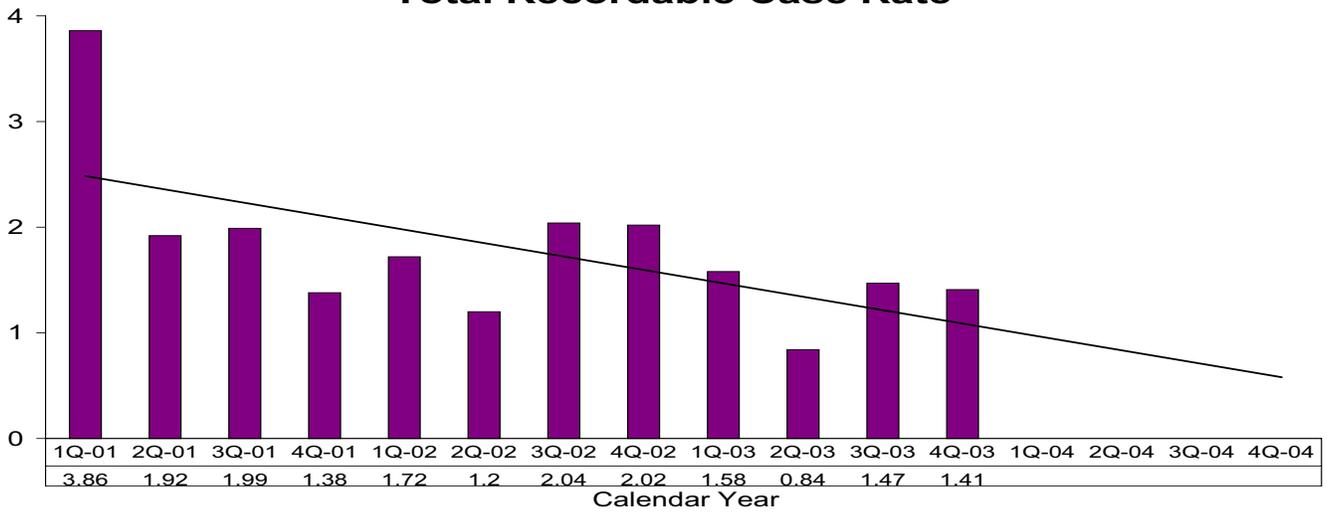


Occupational Safety

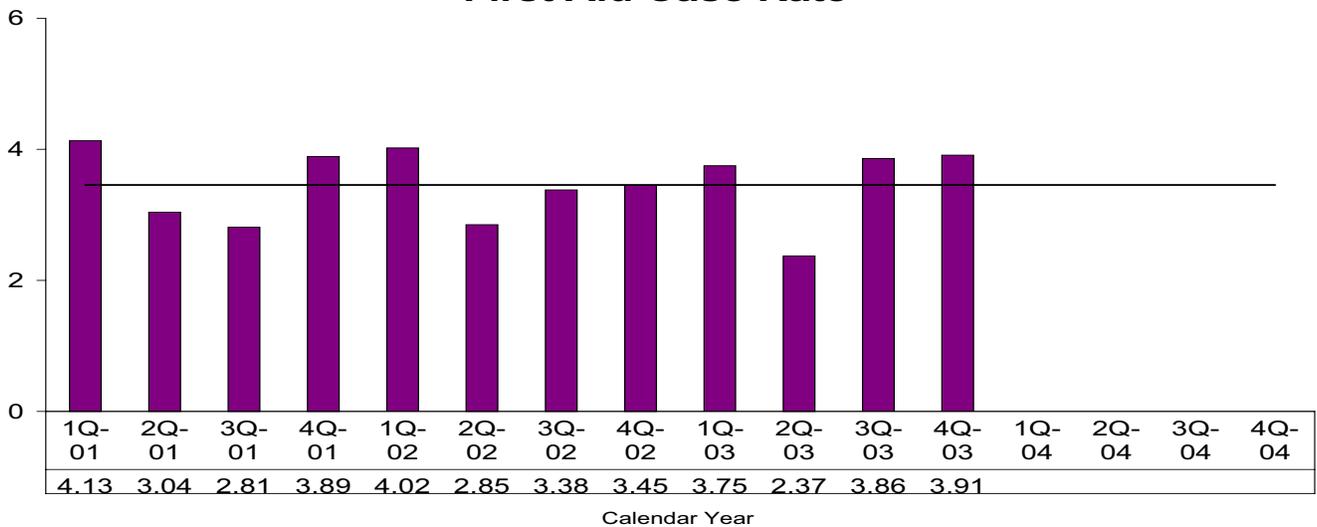
Day Away Case Rate



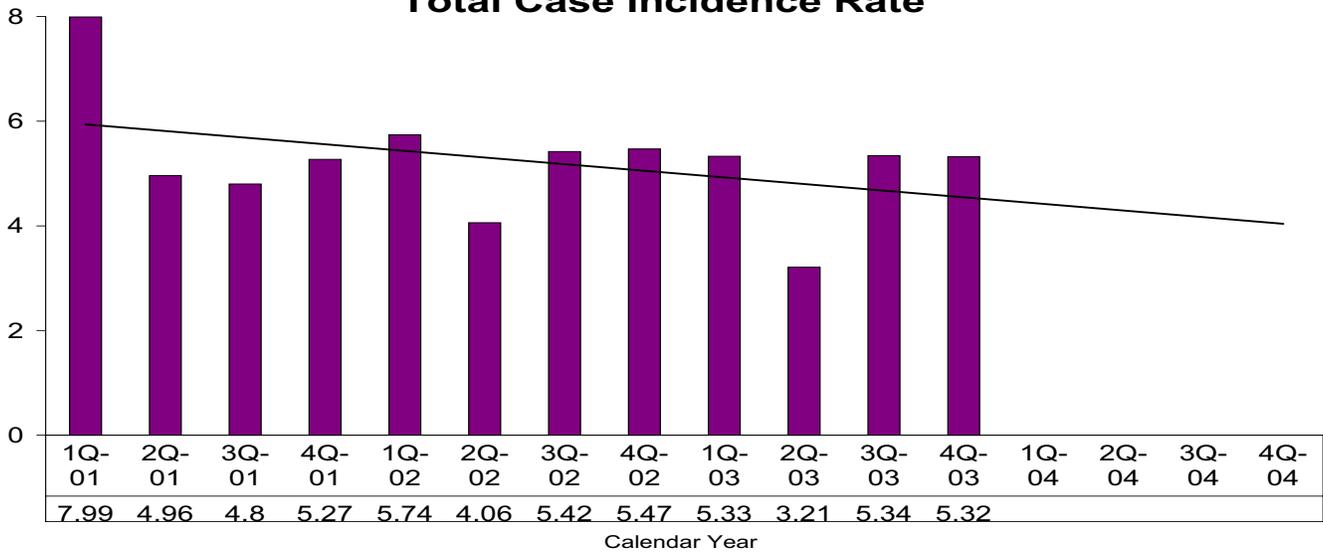
Total Recordable Case Rate



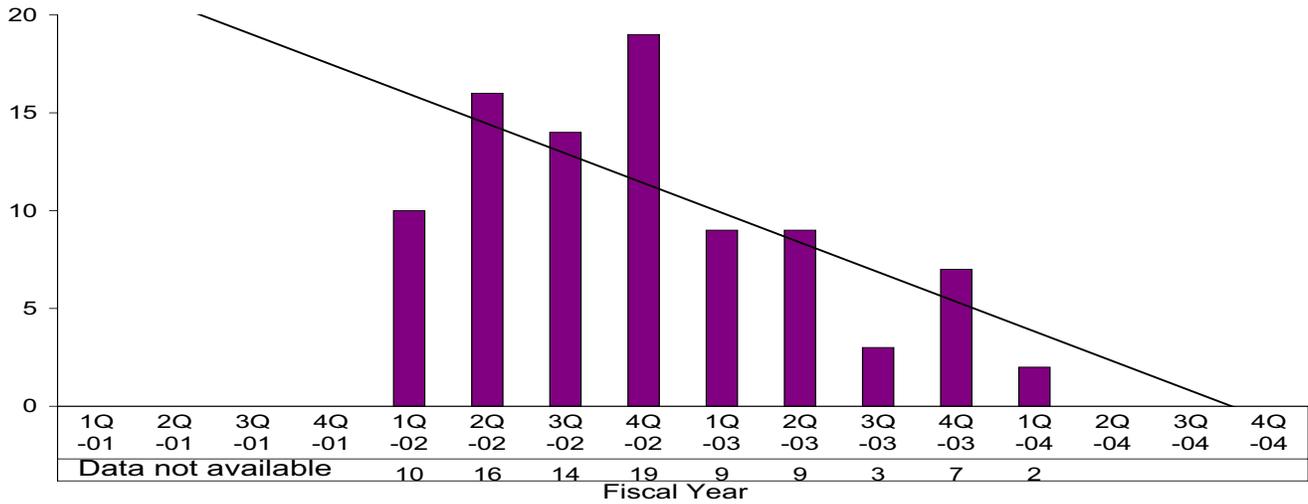
First Aid Case Rate



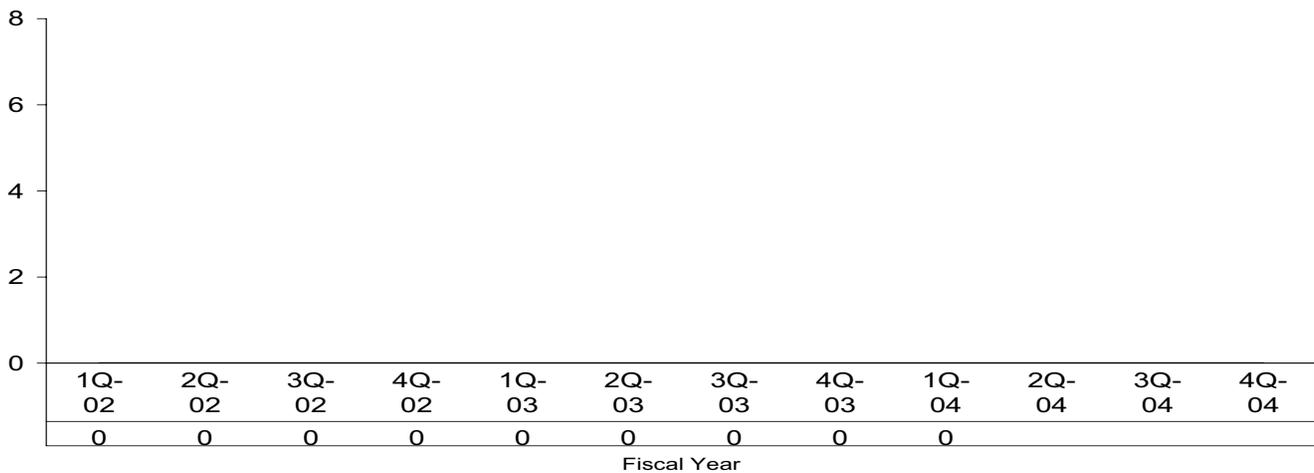
Total Case Incidence Rate



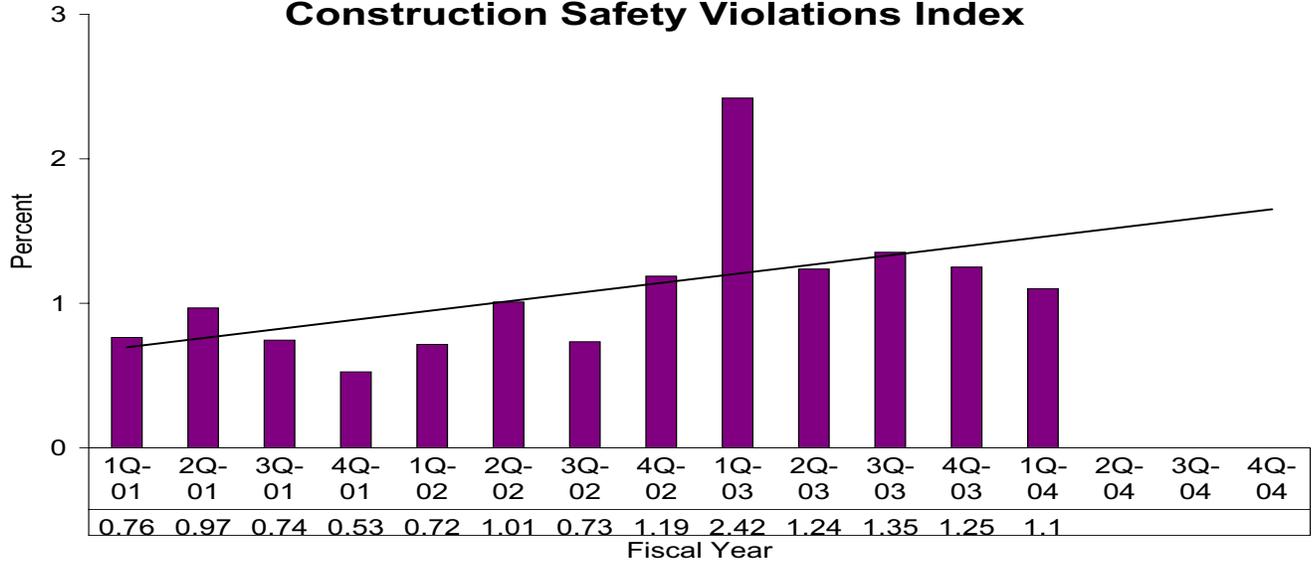
Work Control Recordable Cases



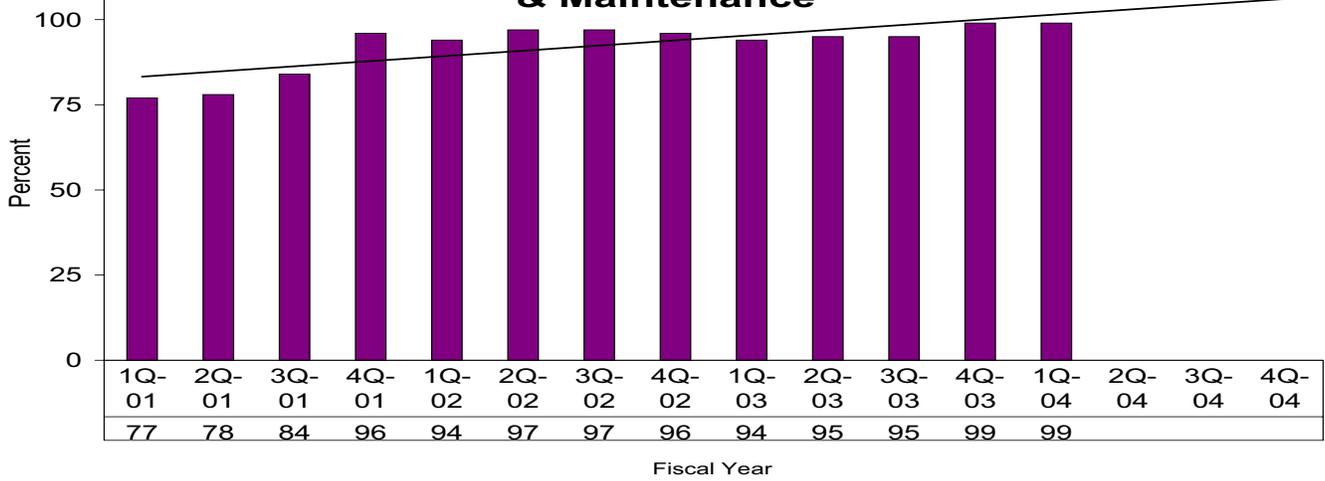
Unprotected Exposures Exceeding TLV's or PEL's



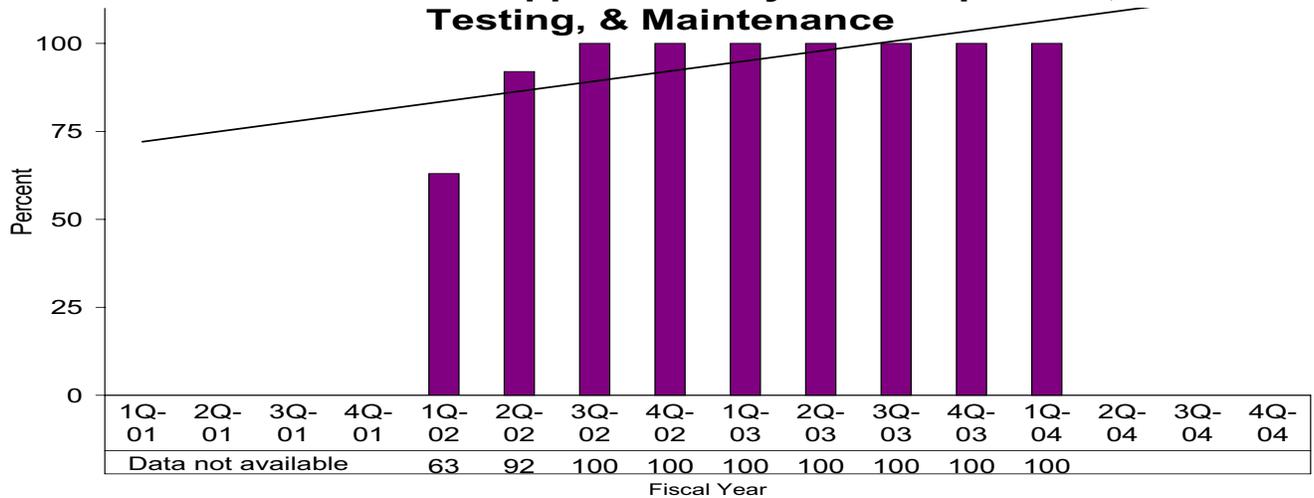
Construction Safety Violations Index



Nuclear Facility Fire Protection Inspection, Testing, & Maintenance

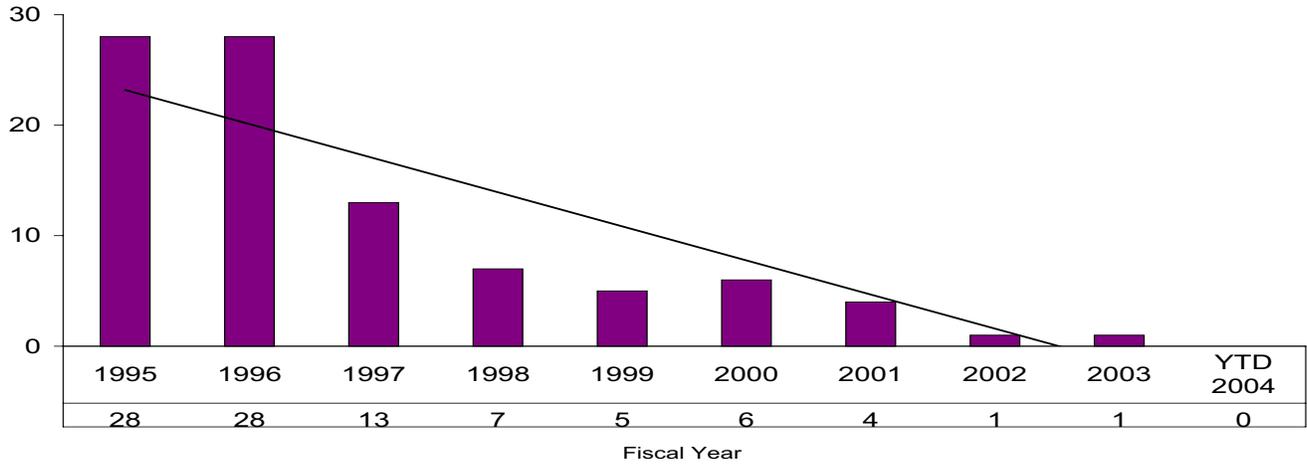


Water-Based Suppression System Inspection, Testing, & Maintenance

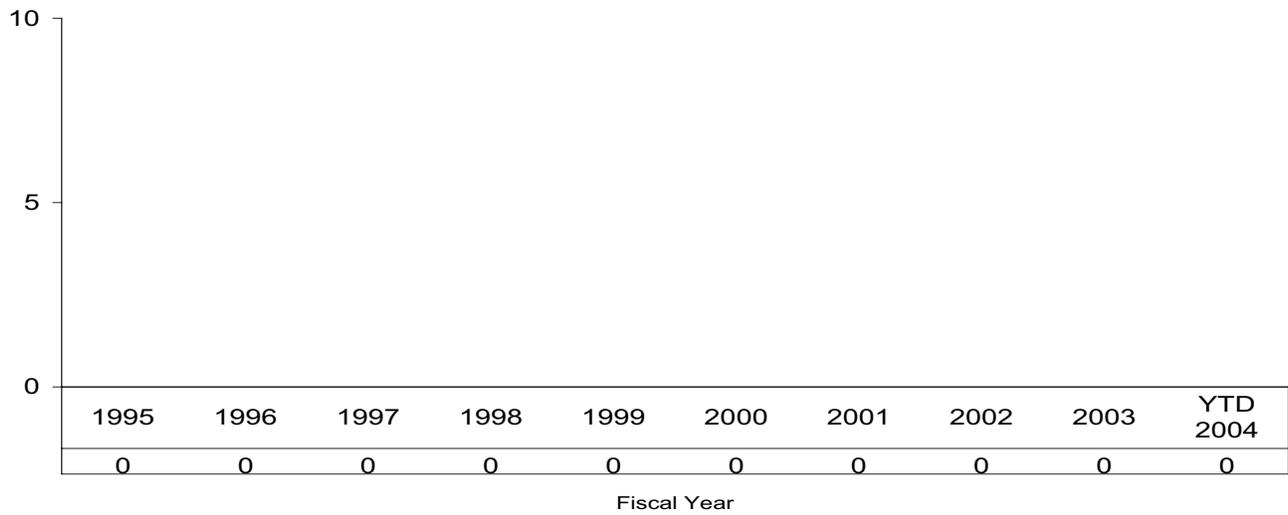


Radiological Safety

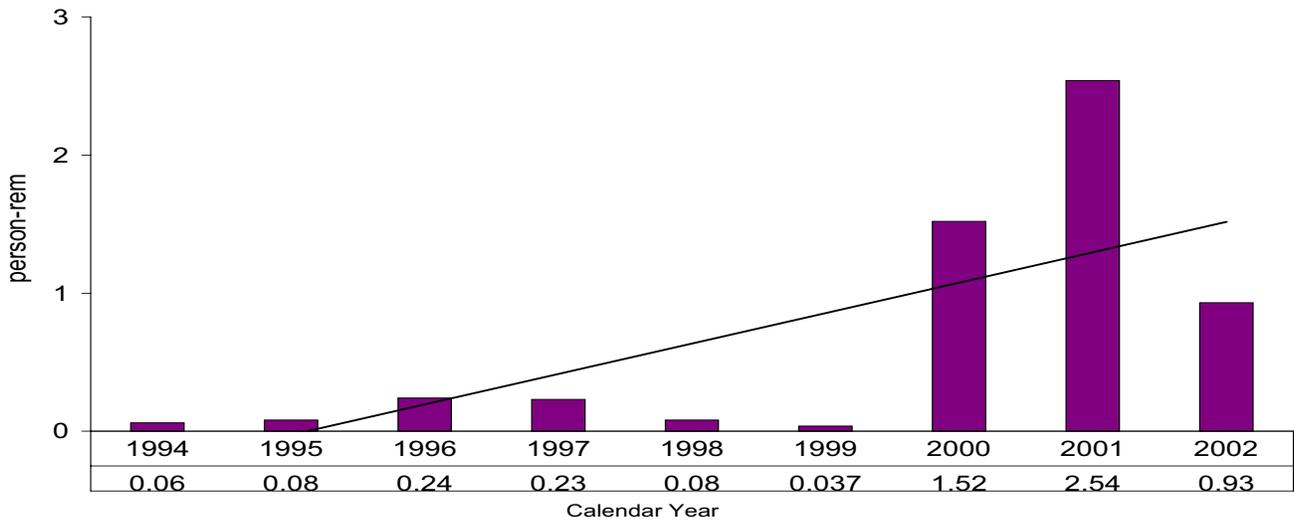
Skin Contaminations



Radiological Uptakes

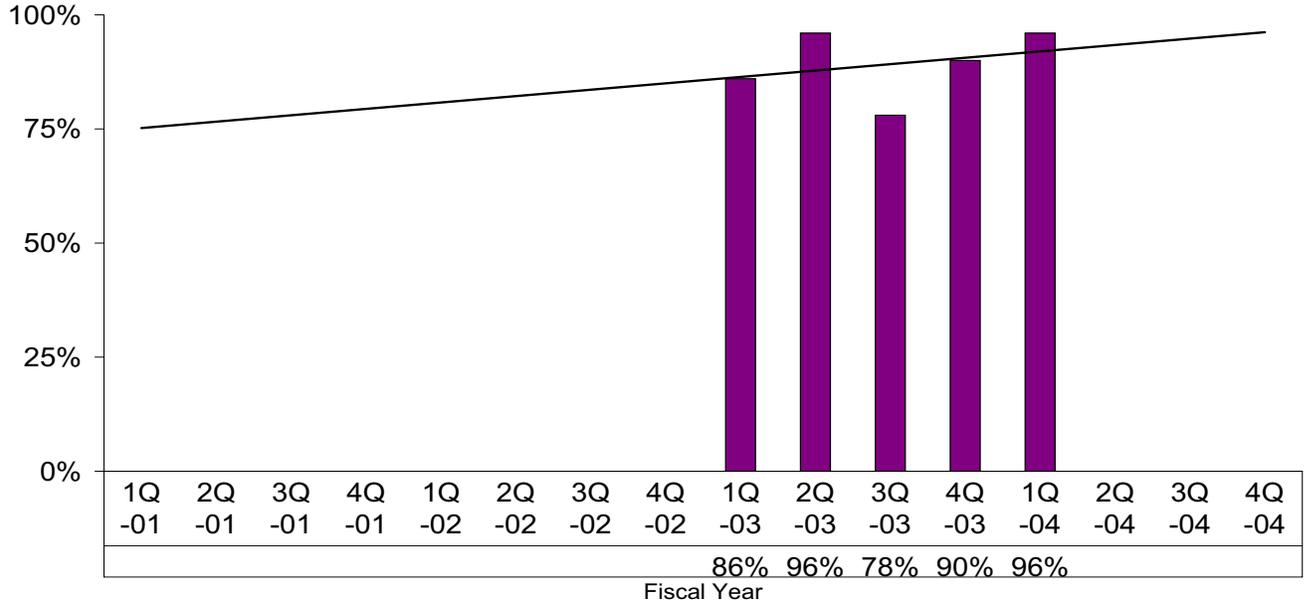


Radiation Dose to the Public

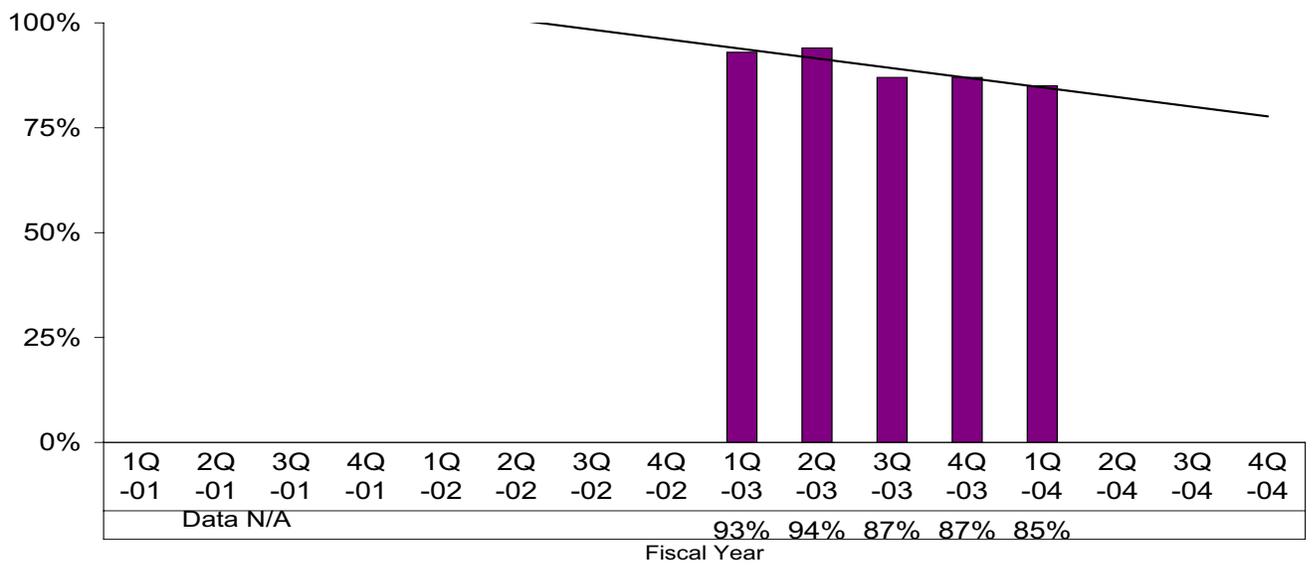


Assessment

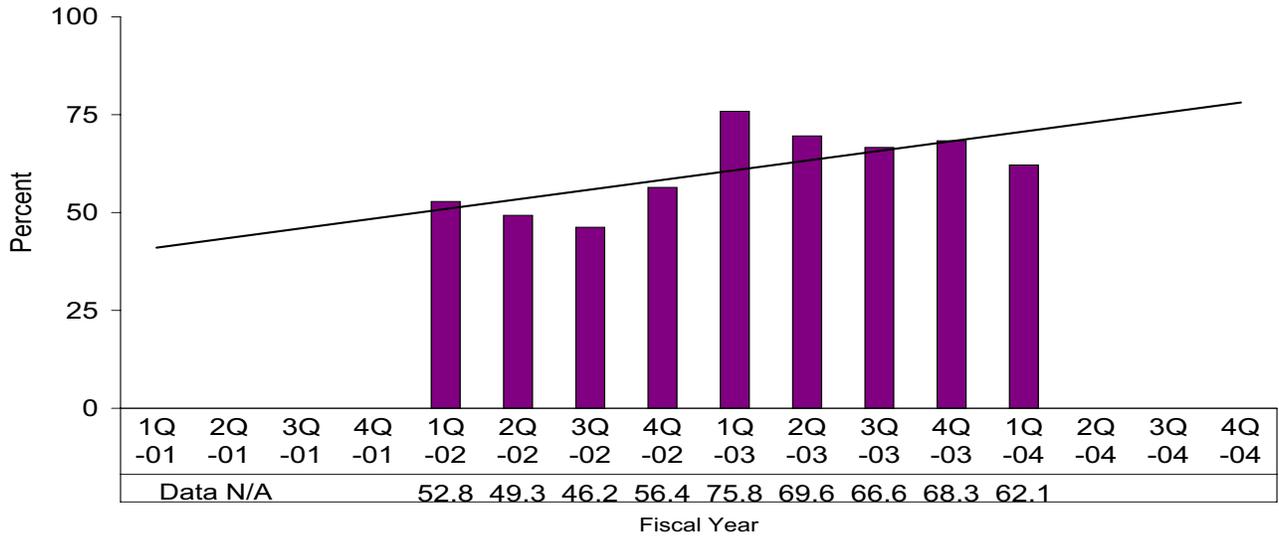
Completion of Scheduled Management and Independent Assessments



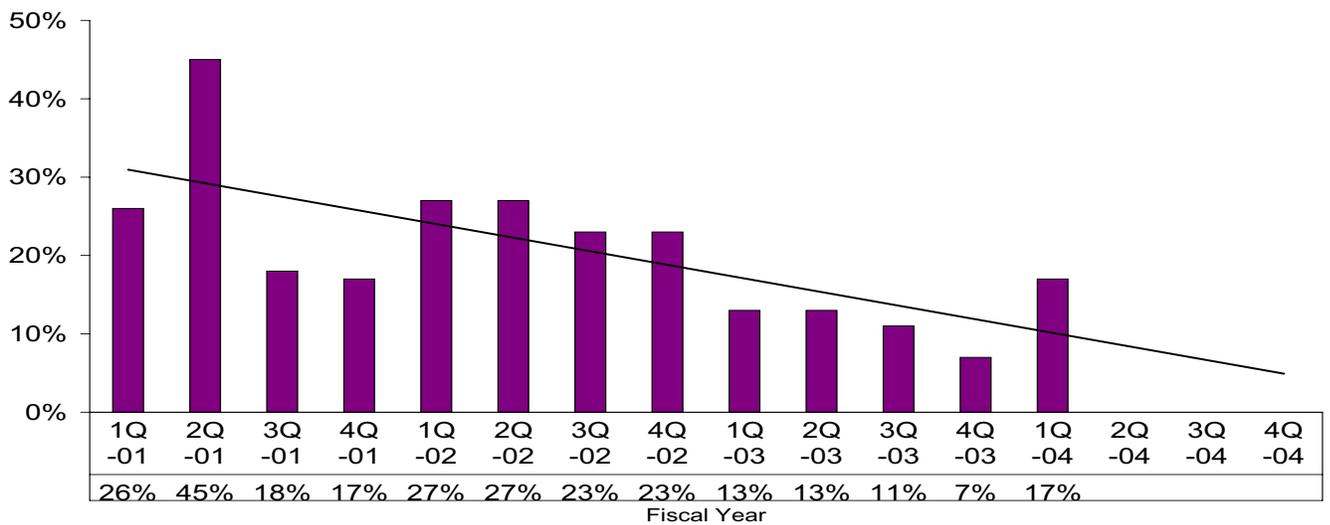
Completion of All Other Scheduled Assessments



Issues Identified by Assessments

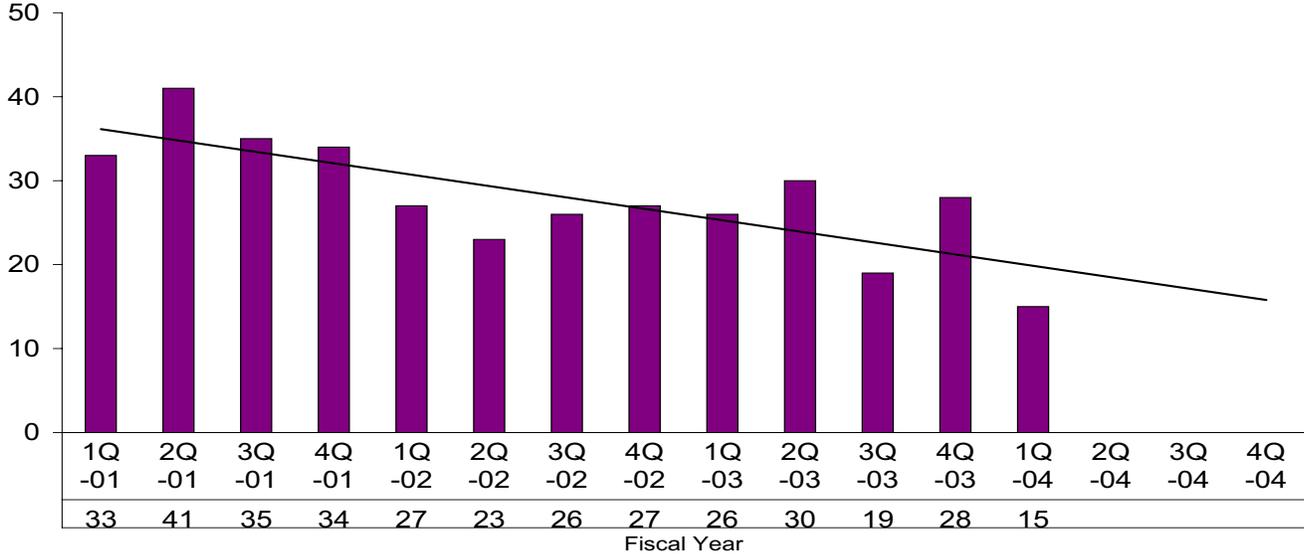


Externally Identified Issues

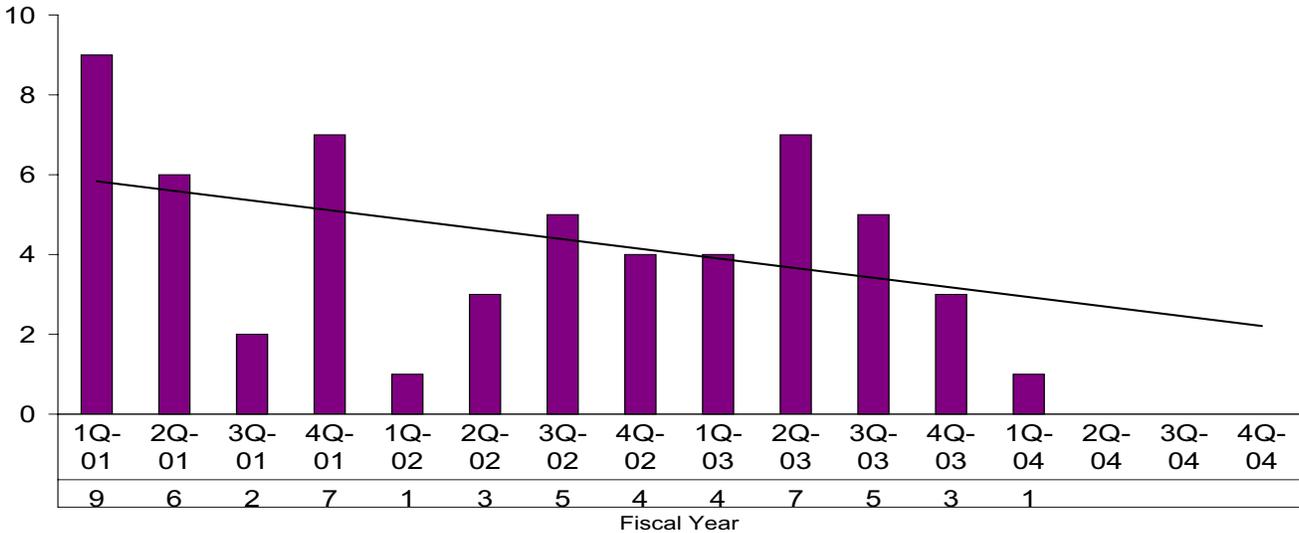


Issues and Issues Management

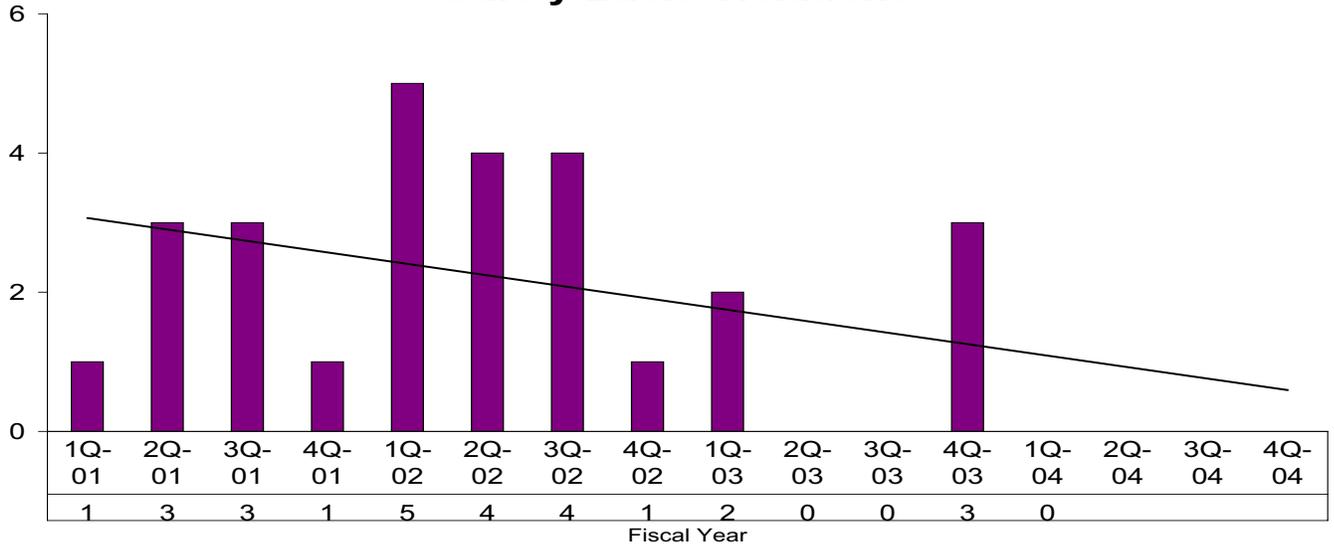
Reportable Occurrences



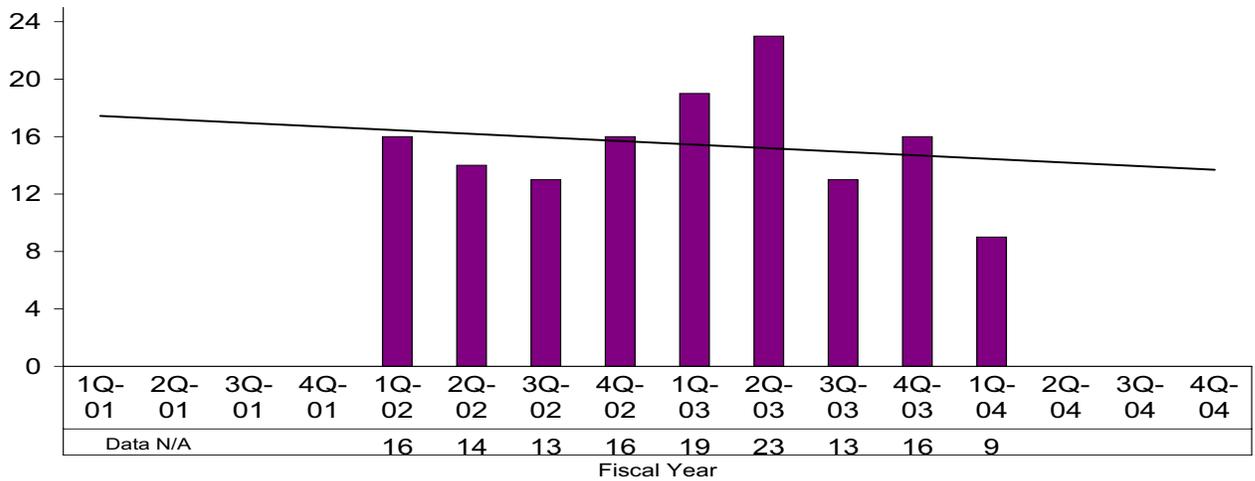
Near Miss Occurrences



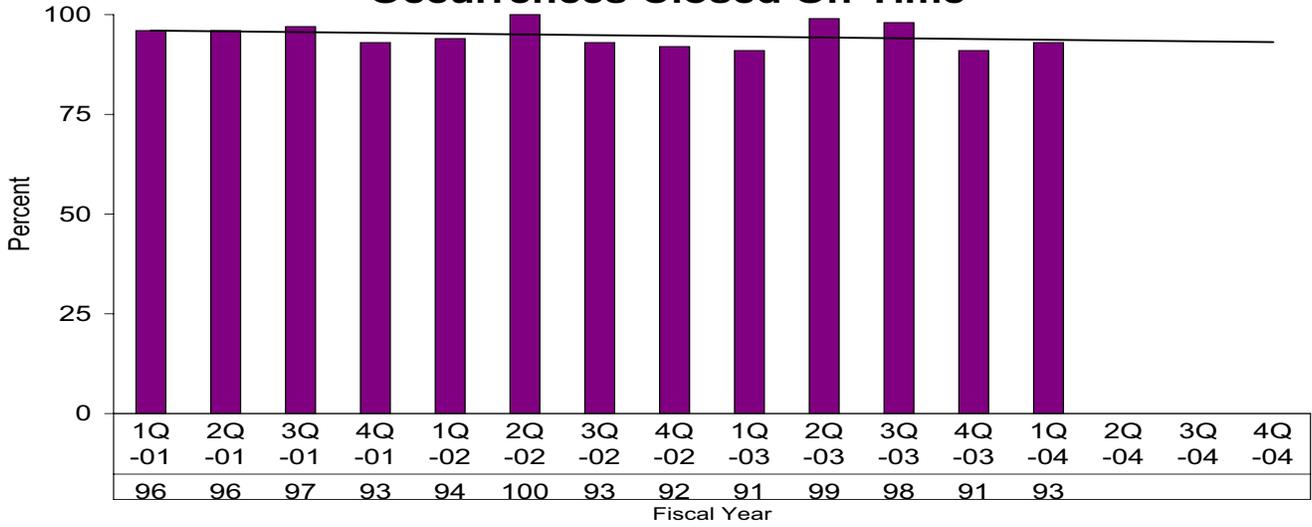
Safety Basis Violations



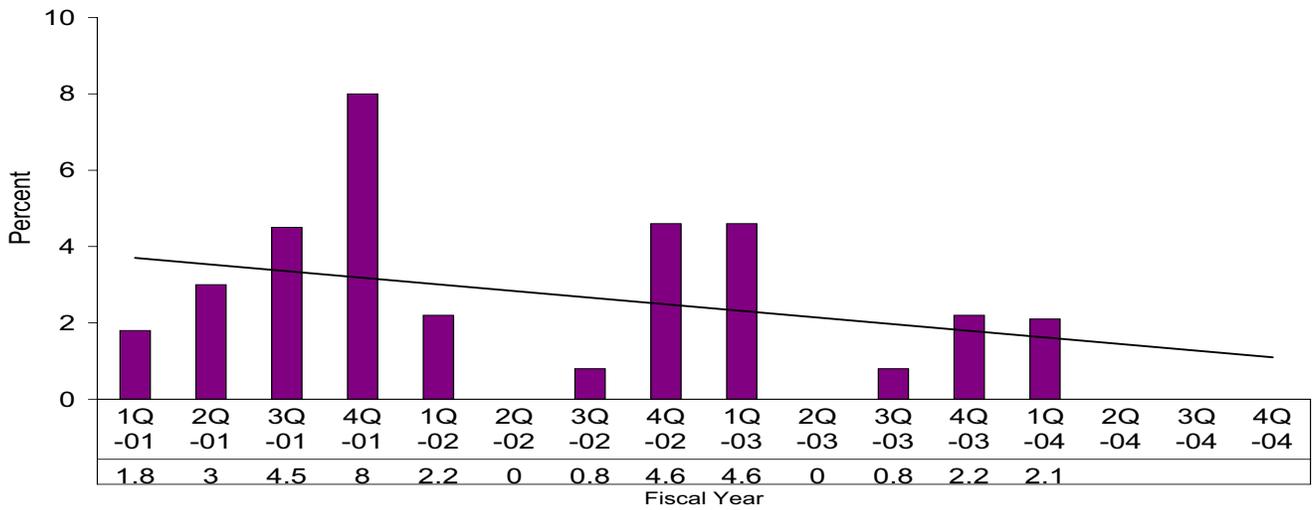
Work Control Occurrences



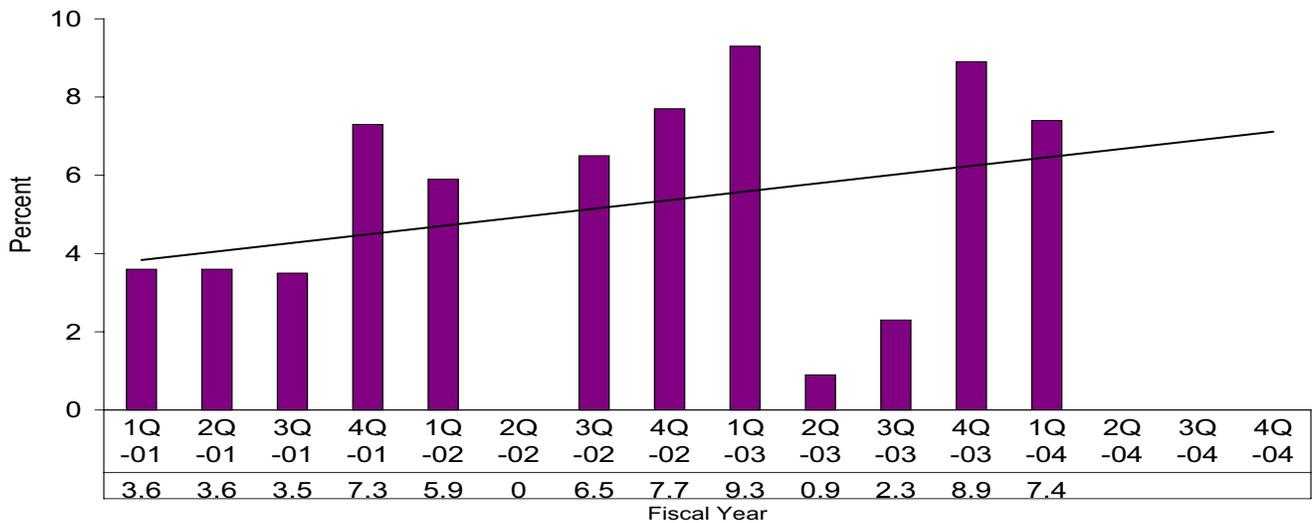
Occurrences Closed On-Time



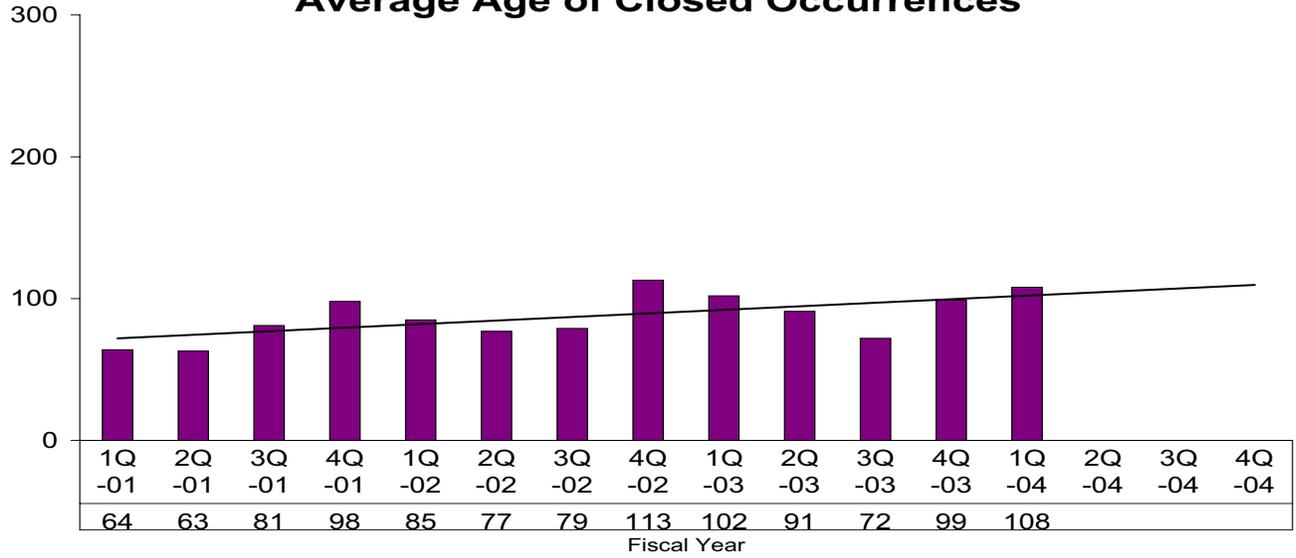
Occurrences Extended



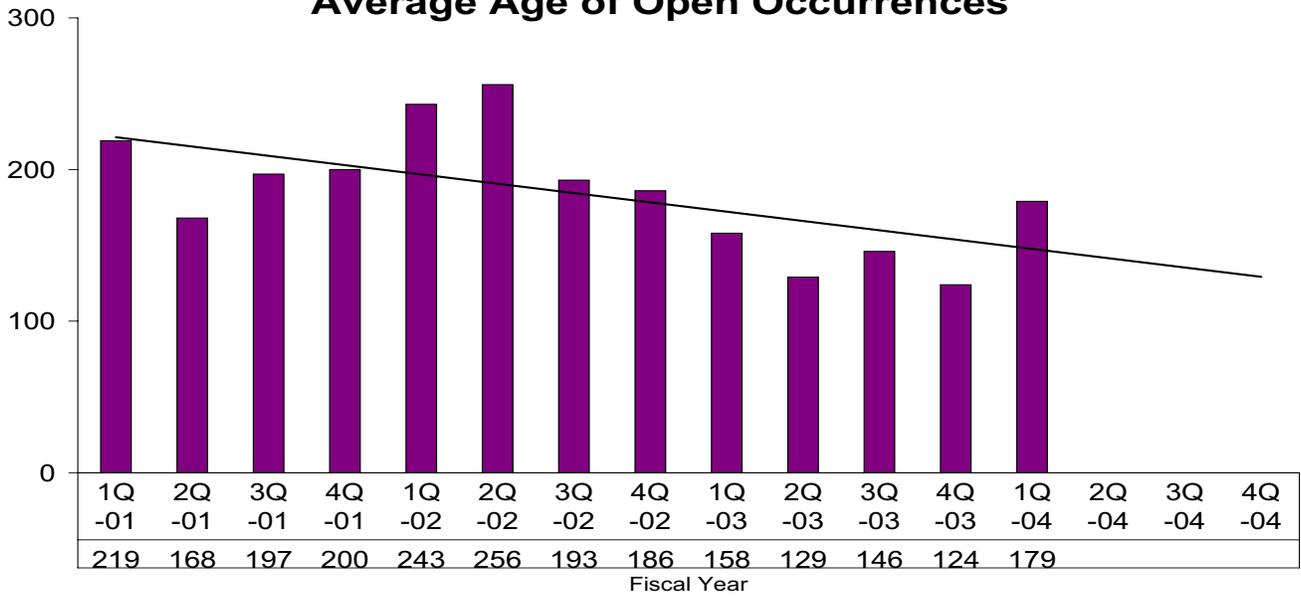
Occurrences Closed Late



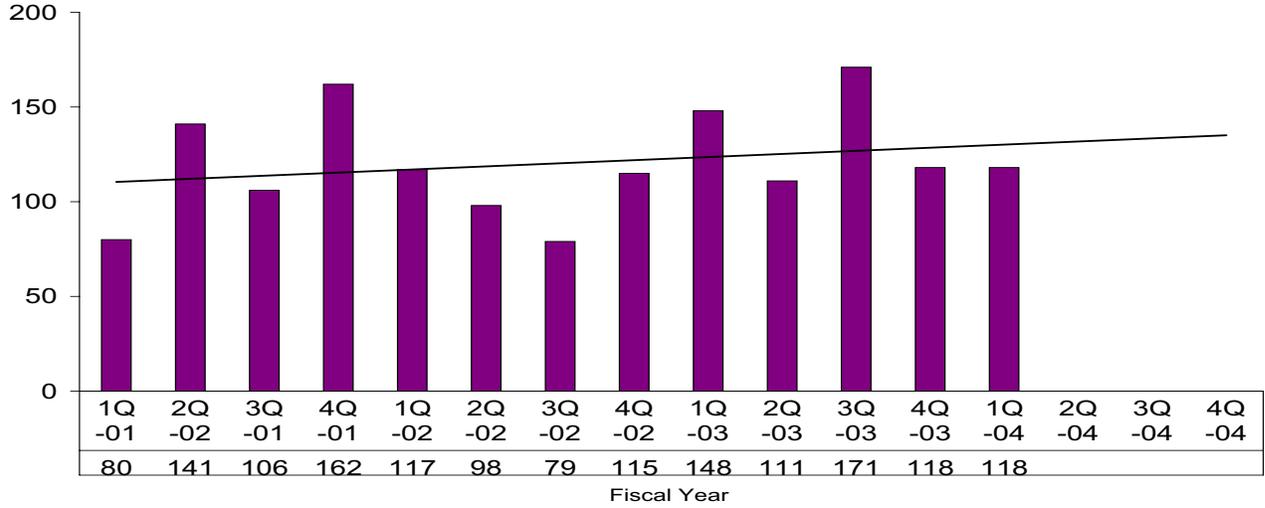
Average Age of Closed Occurrences



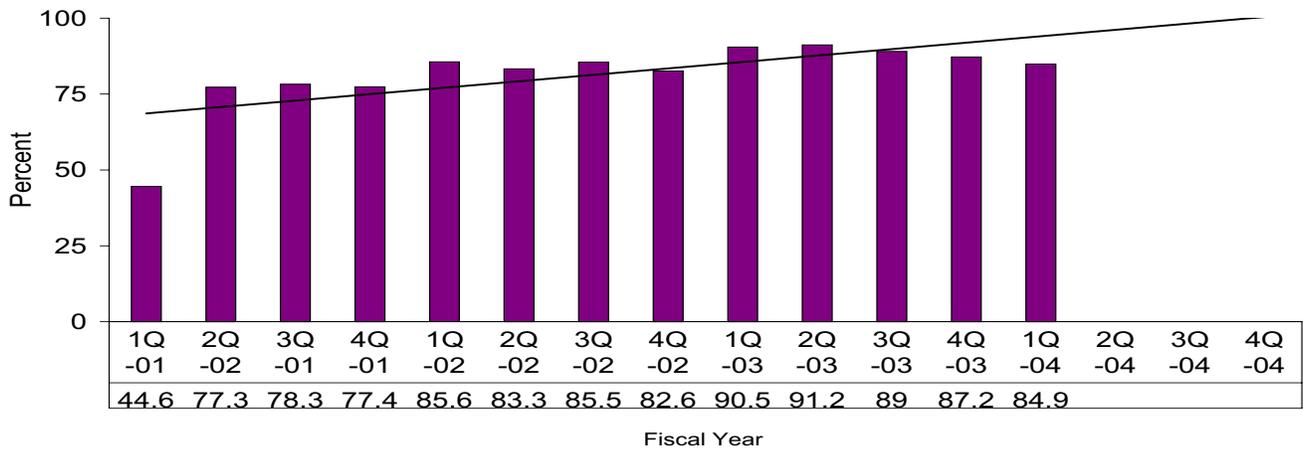
Average Age of Open Occurrences



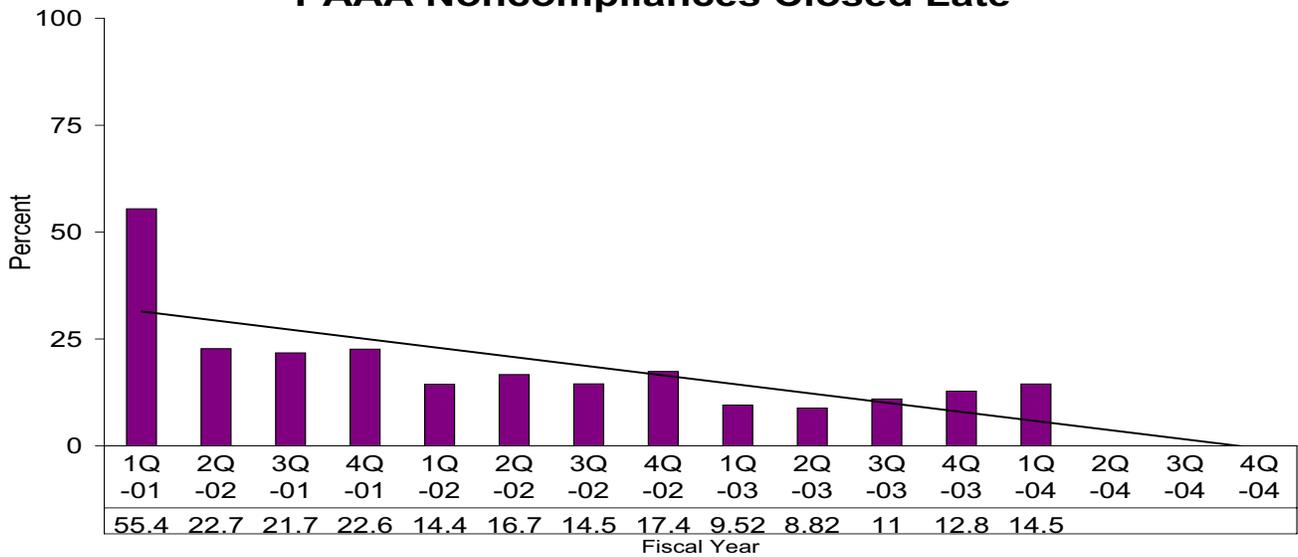
PAAA Noncompliances



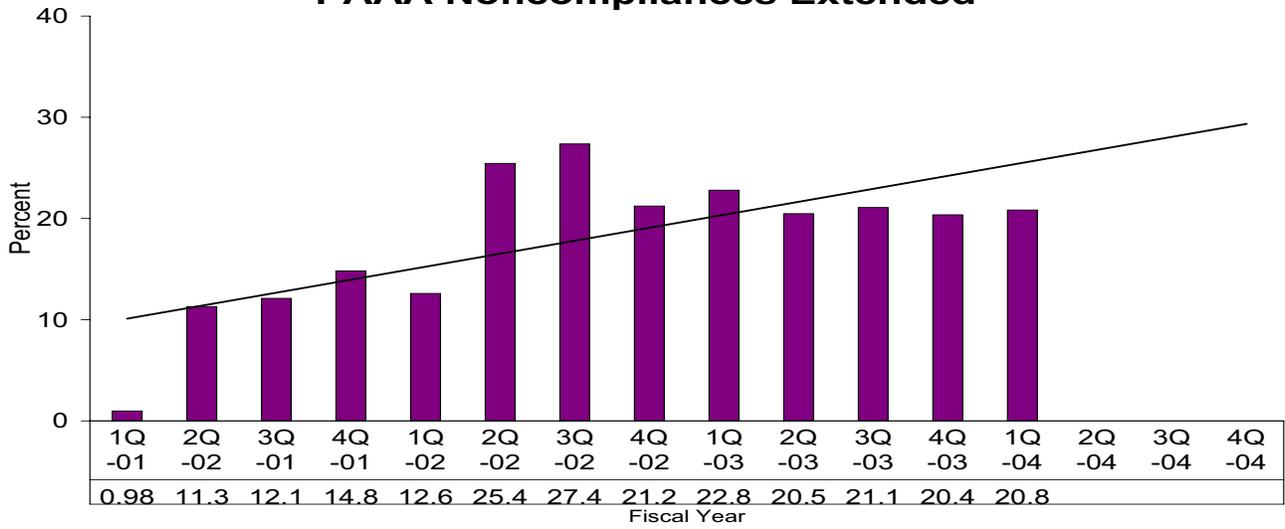
PAAA Noncompliances Closed On-Time



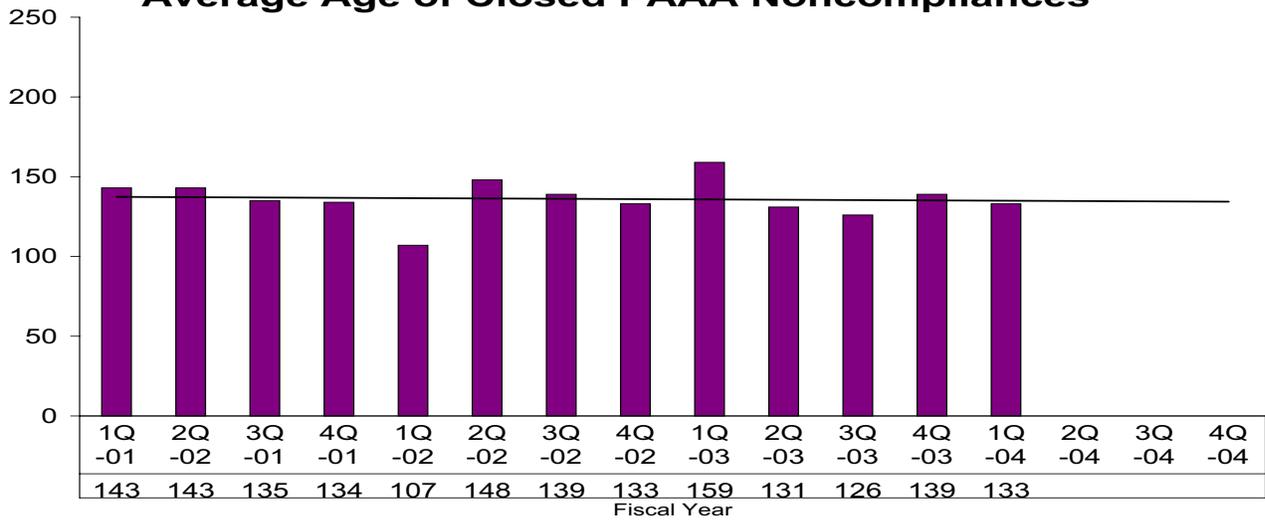
PAAA Noncompliances Closed Late



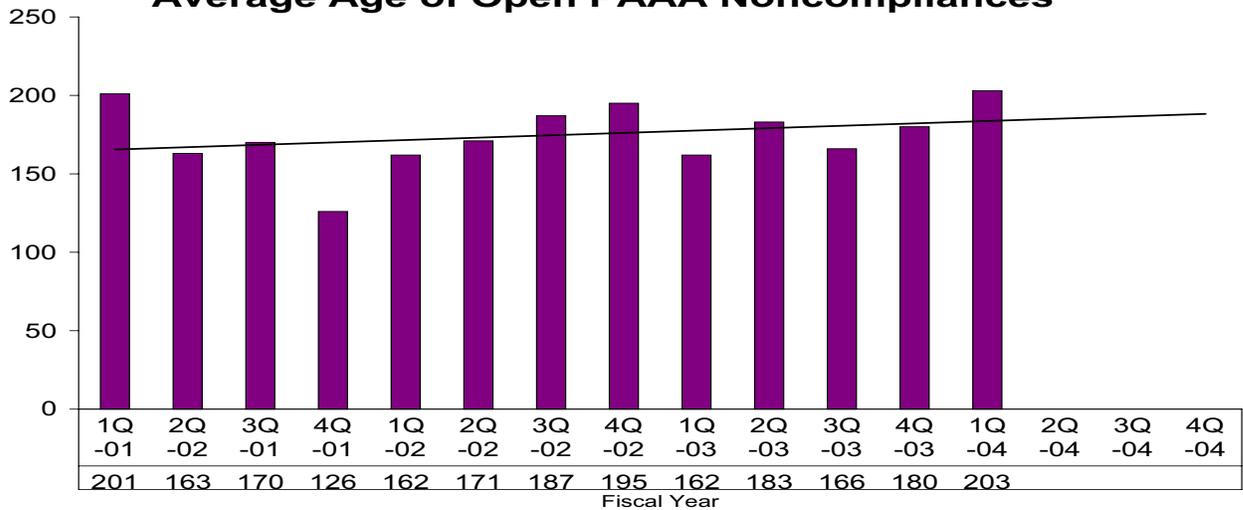
PAAA Noncompliances Extended



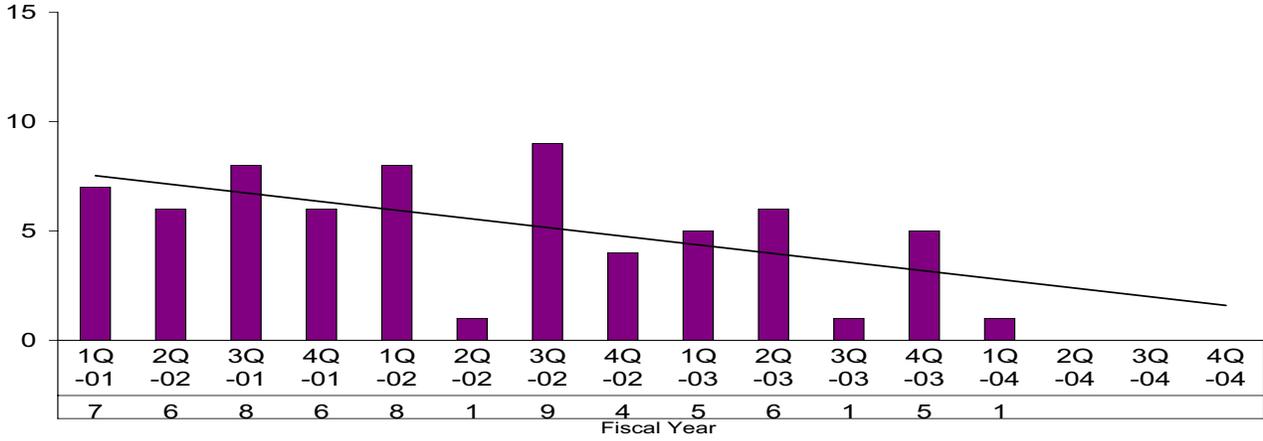
Average Age of Closed PAAA Noncompliances



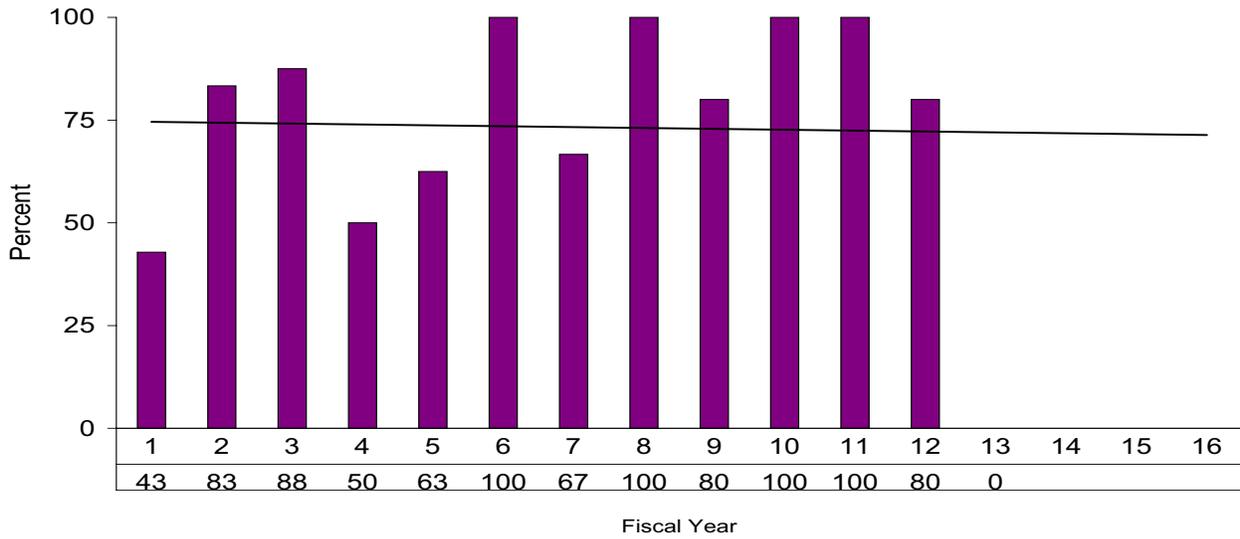
Average Age of Open PAAA Noncompliances



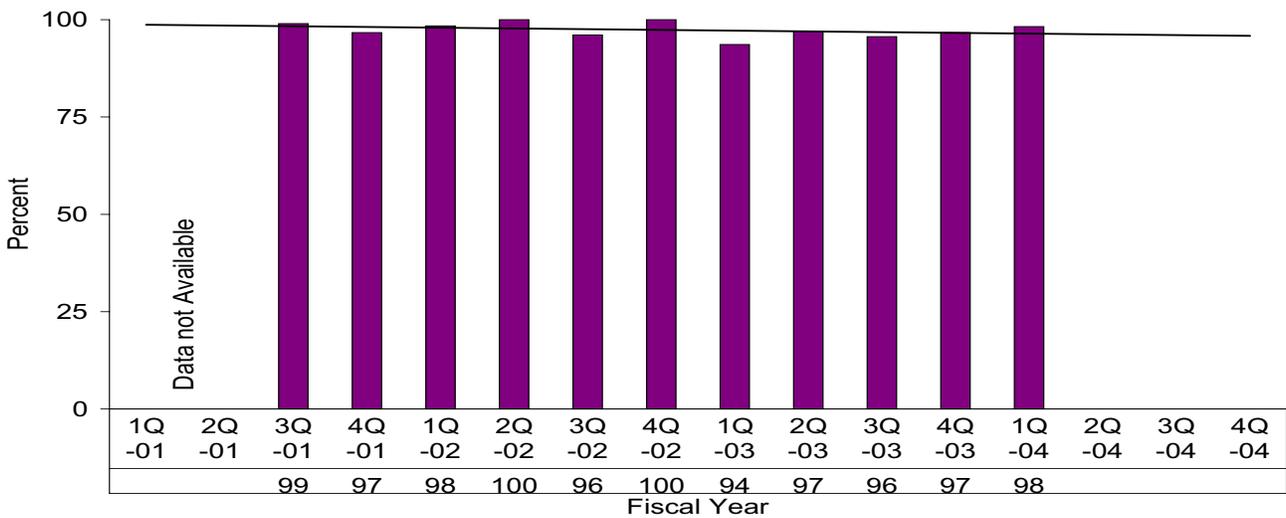
PAAA Reportable Noncompliances



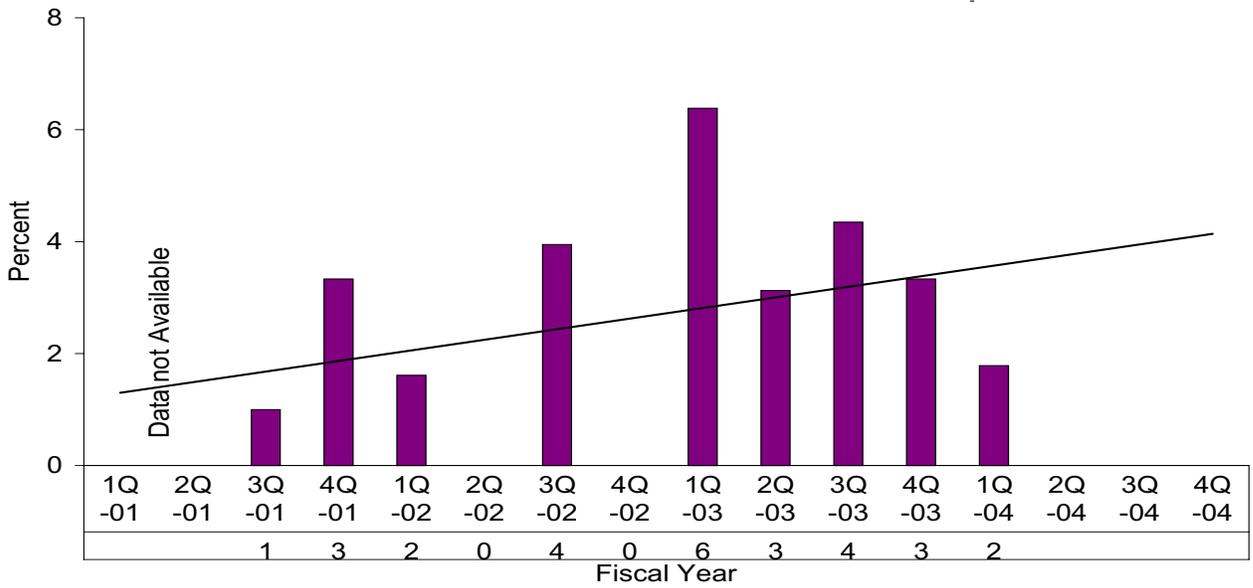
Self-Identified PAAA Reportable Noncompliances



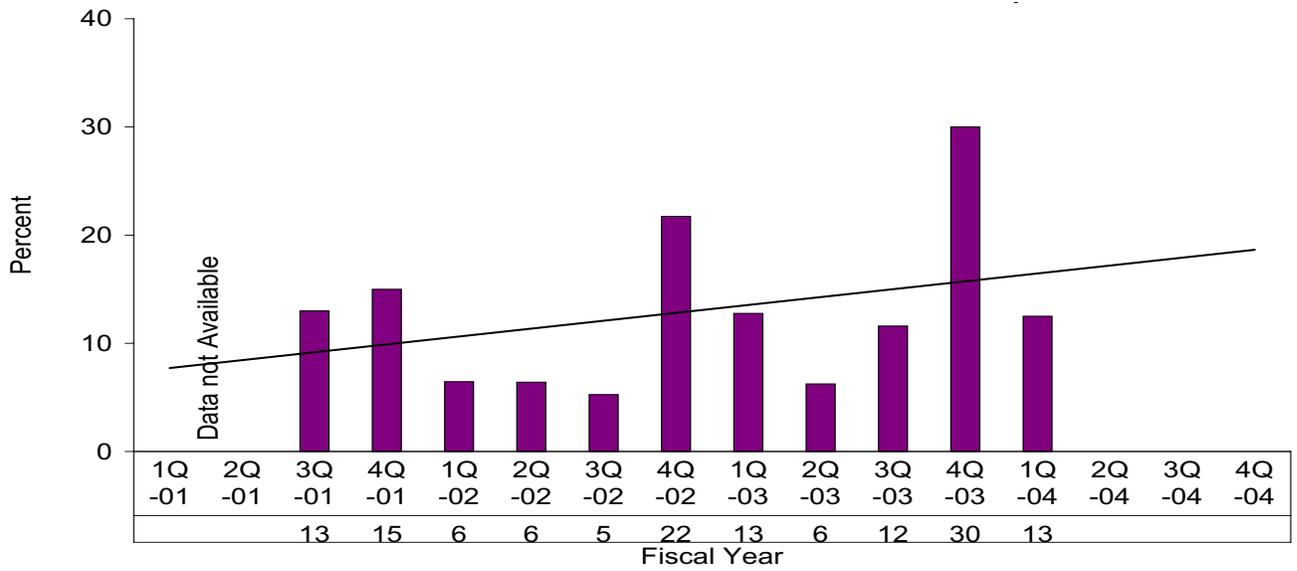
PAAA Reportable Noncompliances Closed On-Time



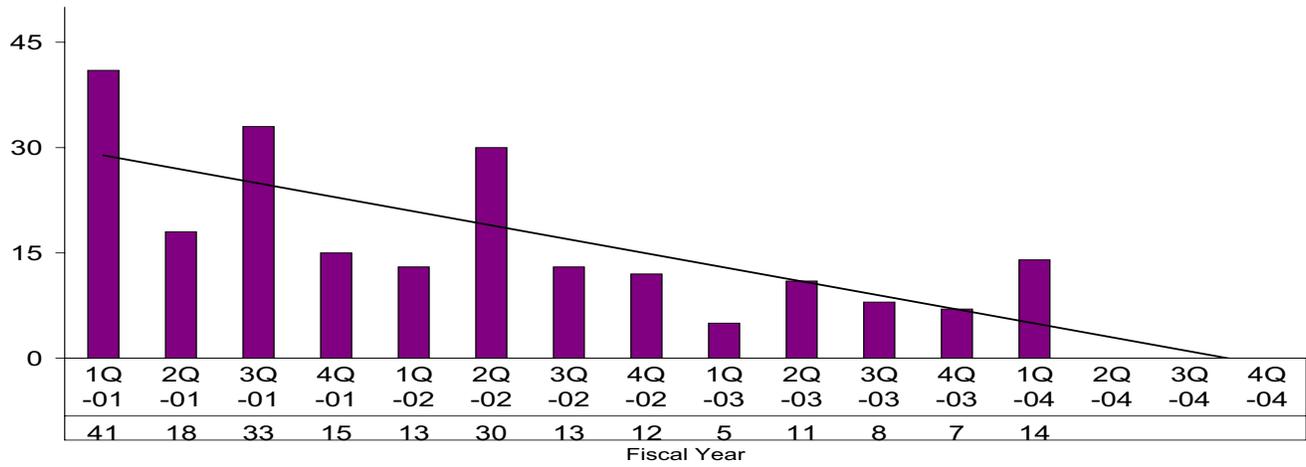
PAAA Reportable Noncompliances Closed Late



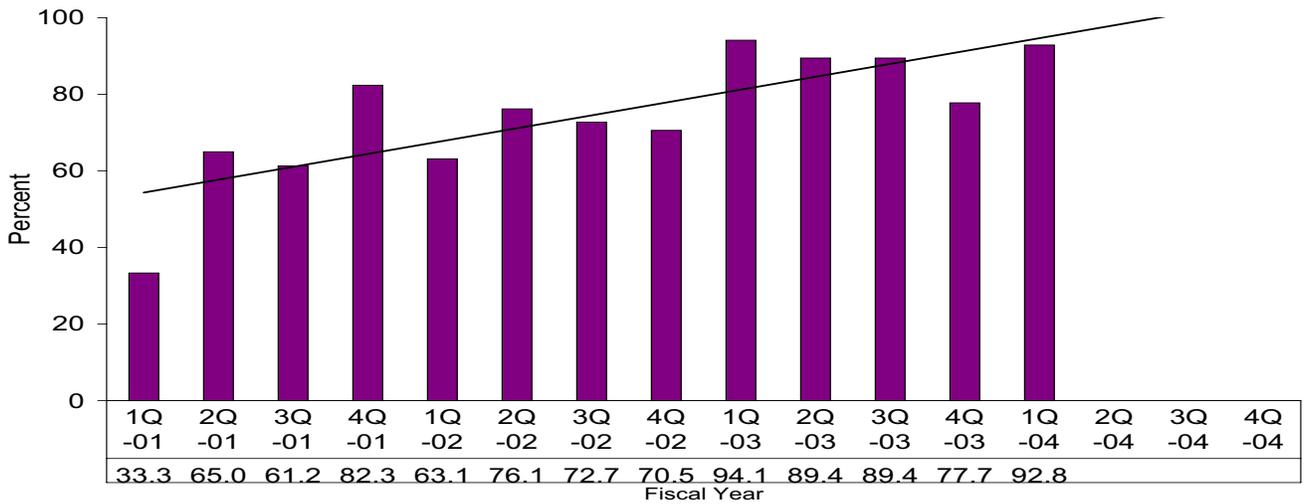
PAAA Reportable Noncompliances Extended



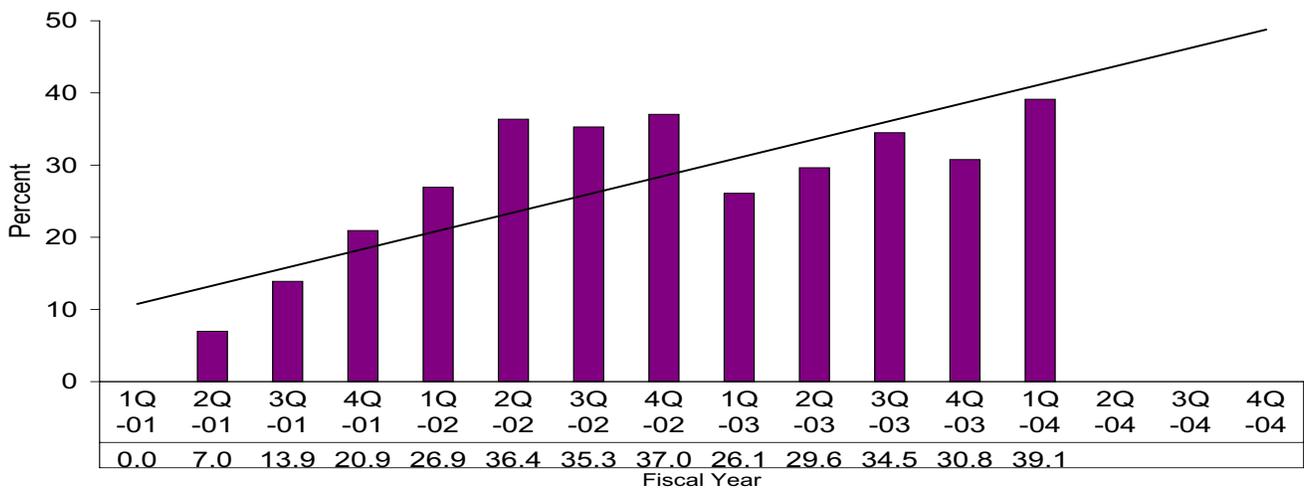
Significant Deficiencies



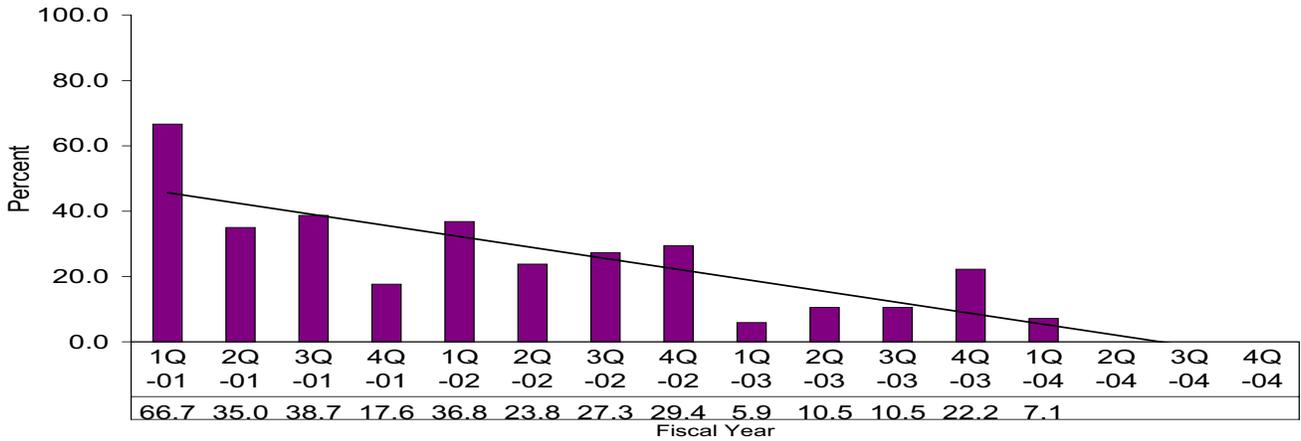
Significant Deficiencies Closed On-Time



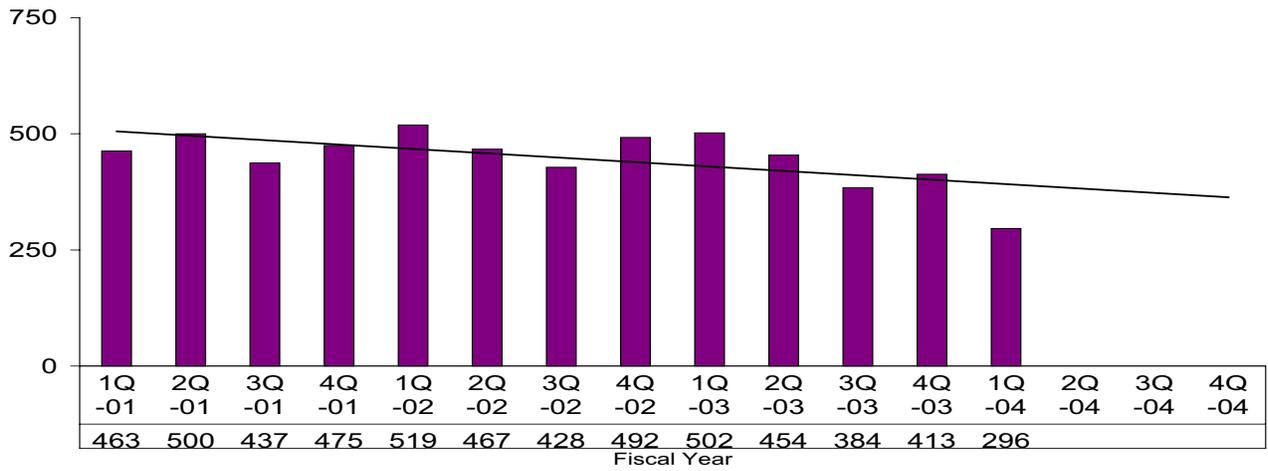
Significant Deficiencies Extended



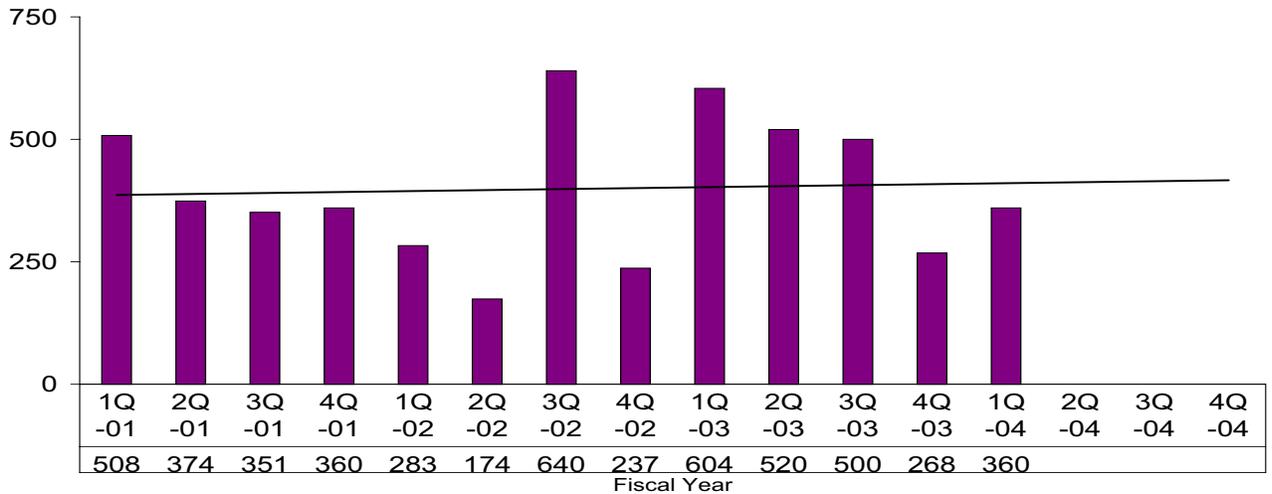
Significant Deficiencies Closed Late



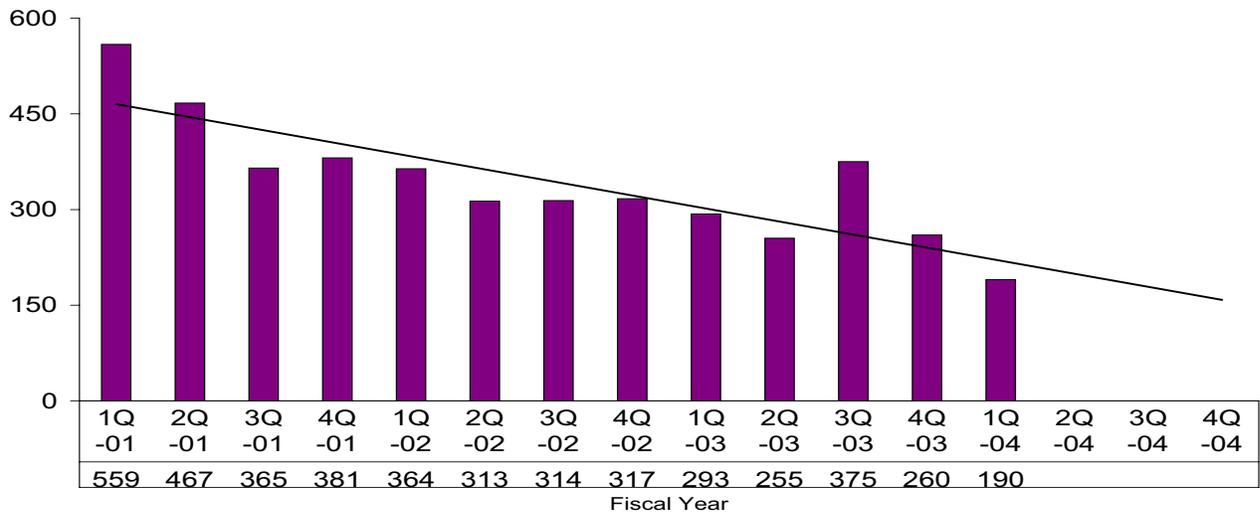
Average Age of Closed Significant Deficiencies



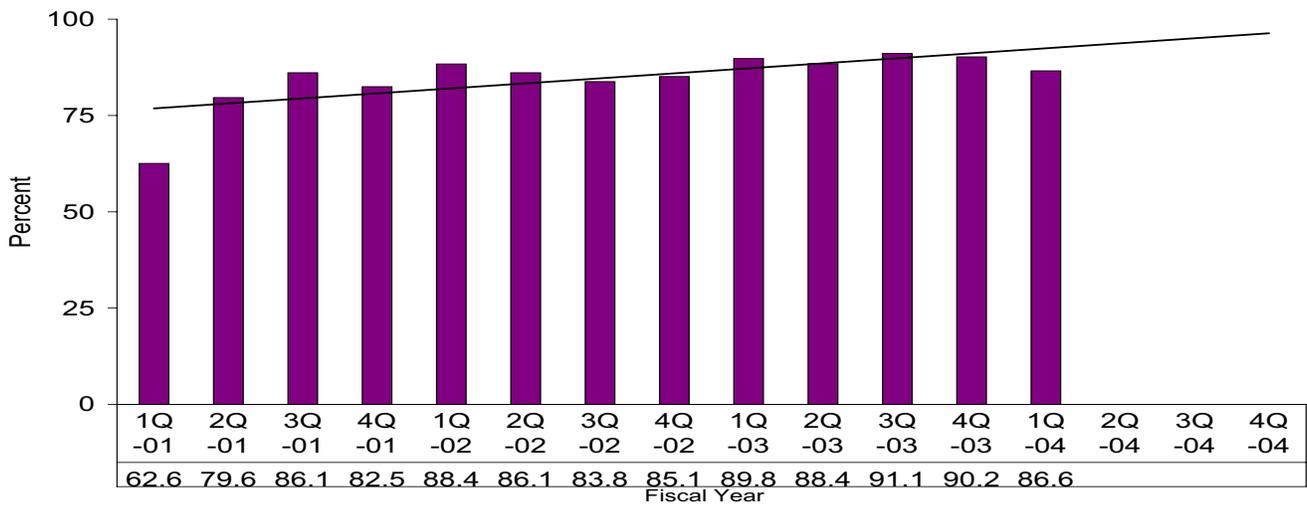
Average Age of Open Significant Deficiencies



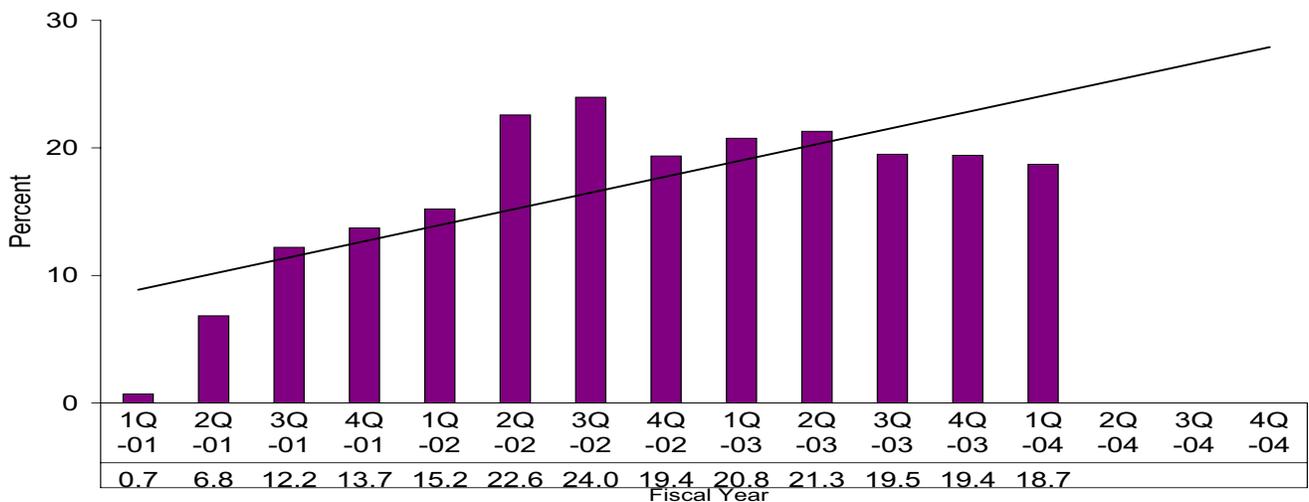
Adverse Deficiencies



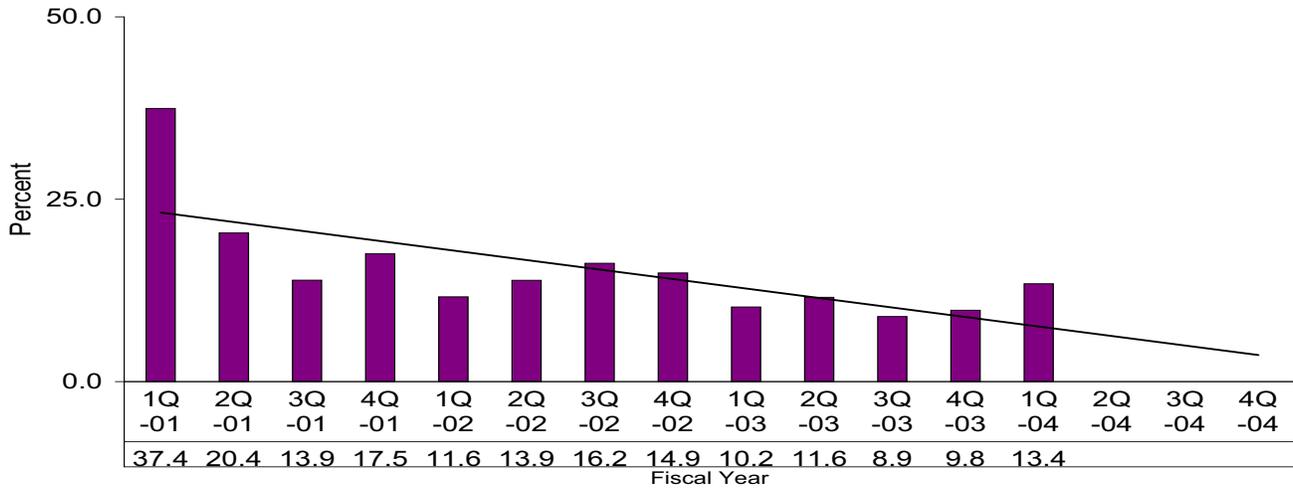
Adverse Deficiencies Closed On-Time



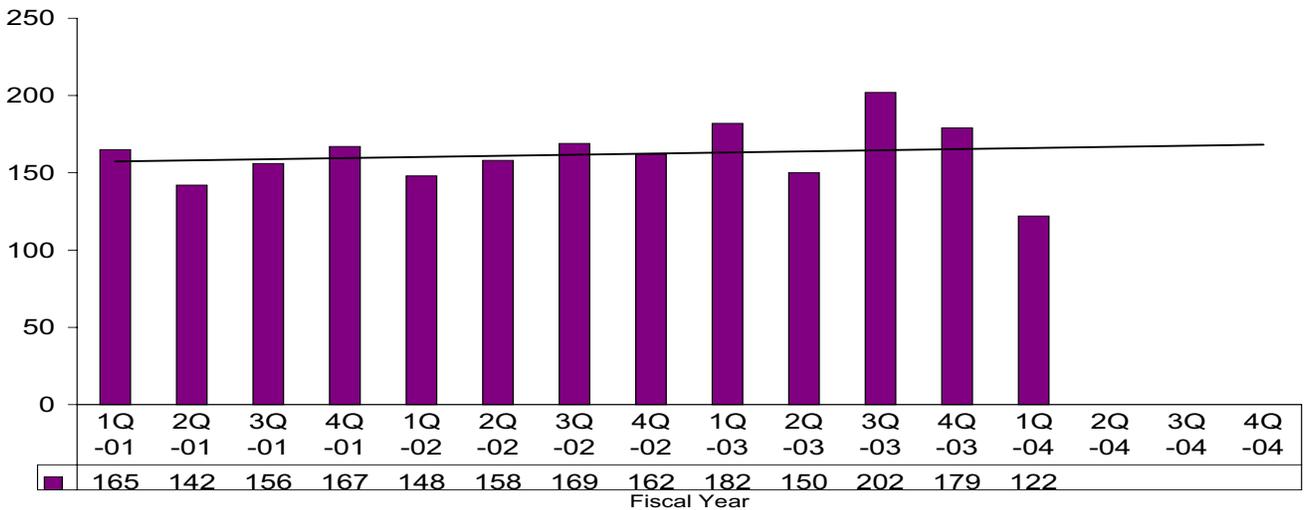
Adverse Deficiencies Extended



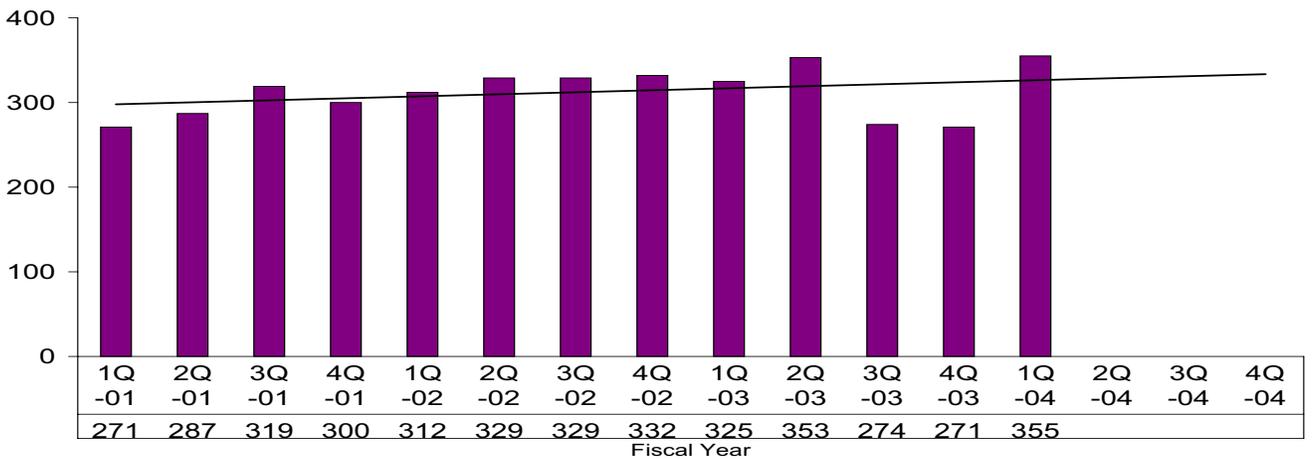
Adverse Deficiencies Closed Late



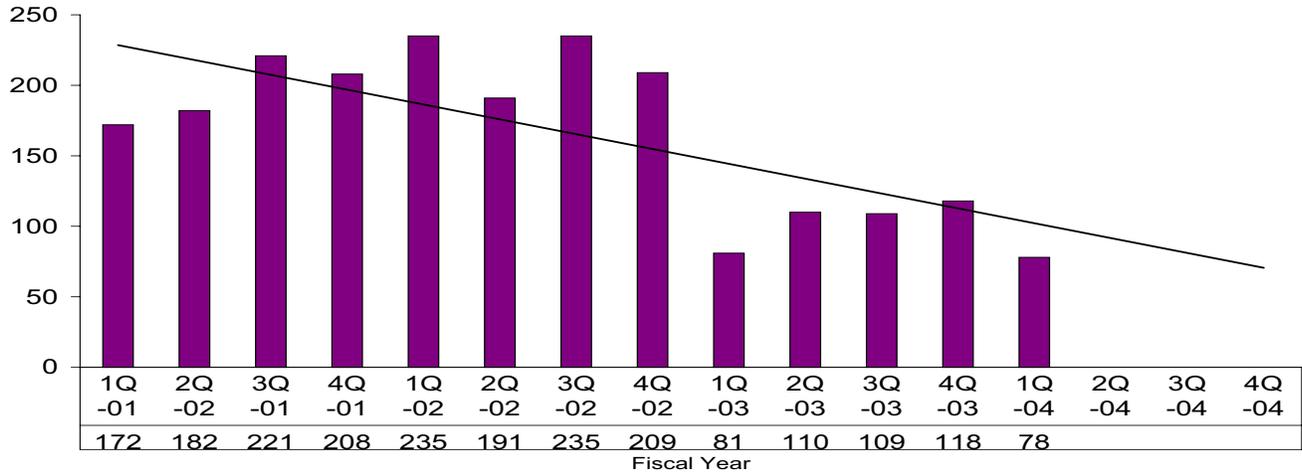
Average Age of Closed Adverse Deficiencies



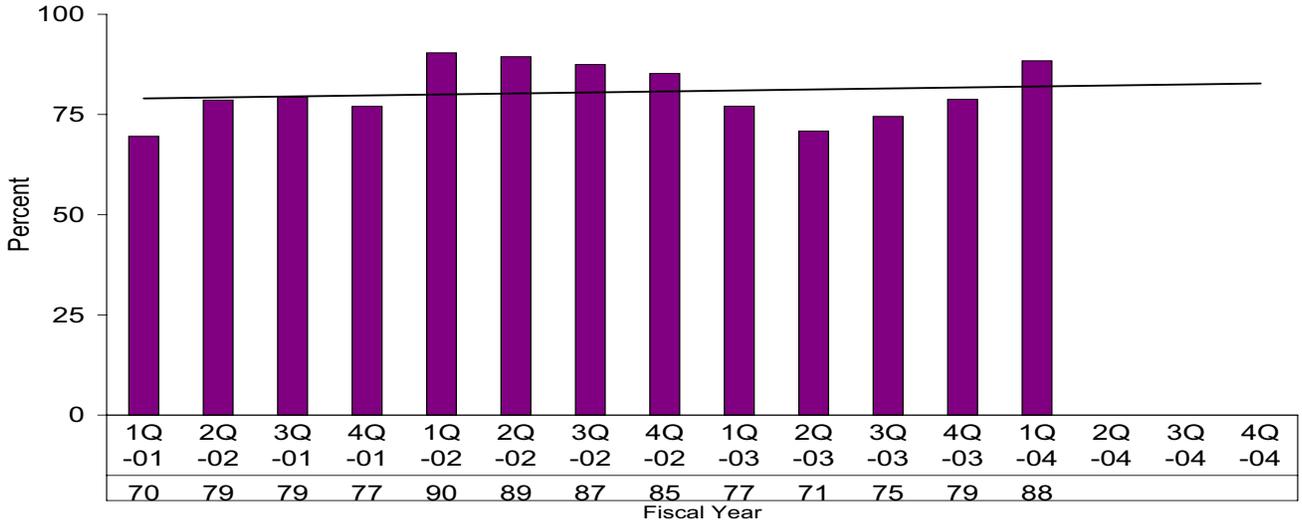
Average Age of Open Adverse Deficiencies



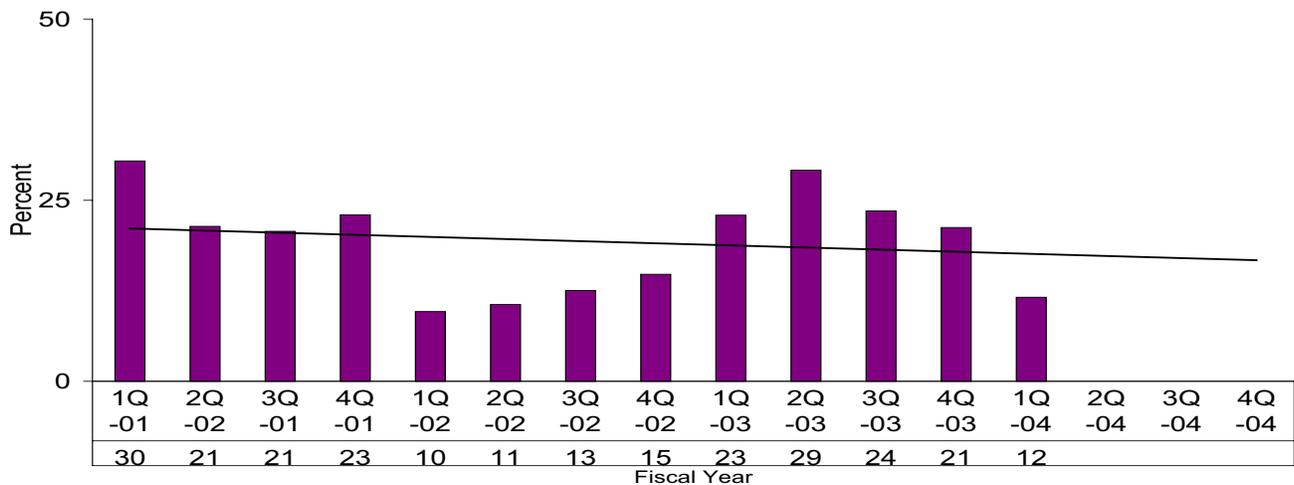
Nonconformances



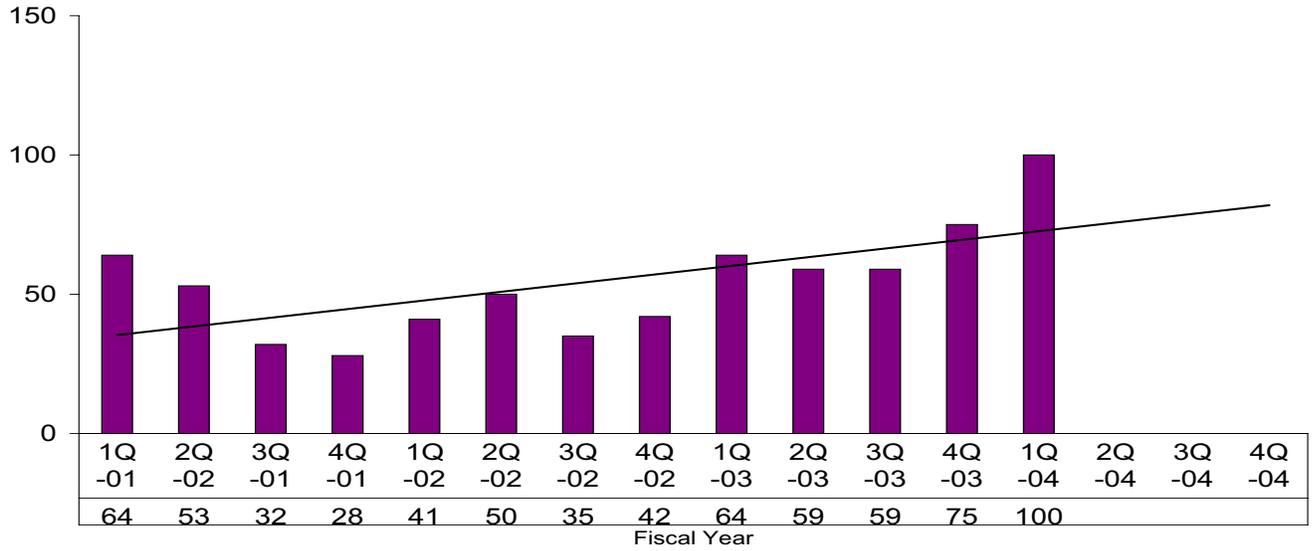
Nonconformances Closed On-Time



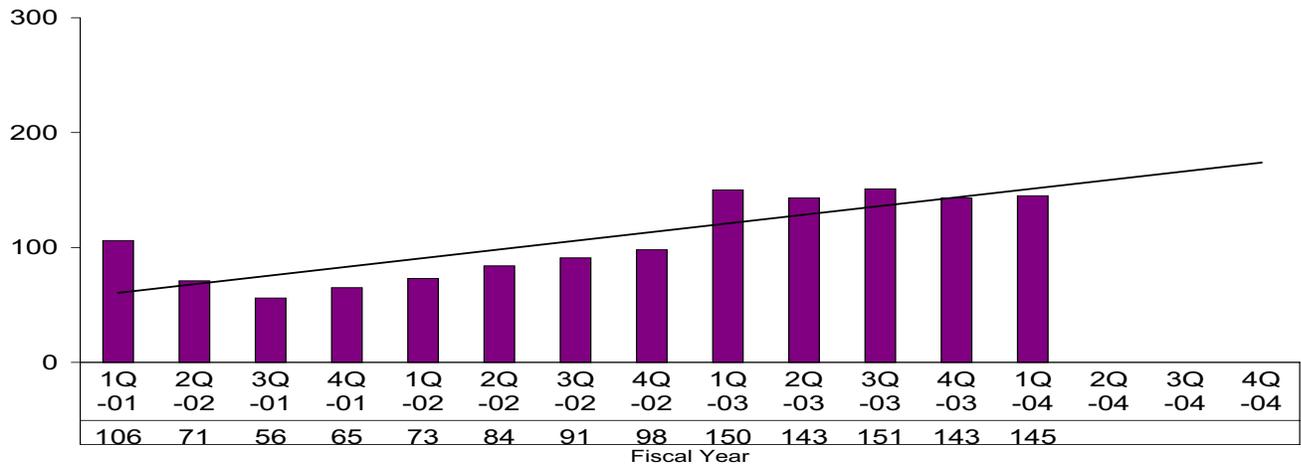
Nonconformances Closed Late



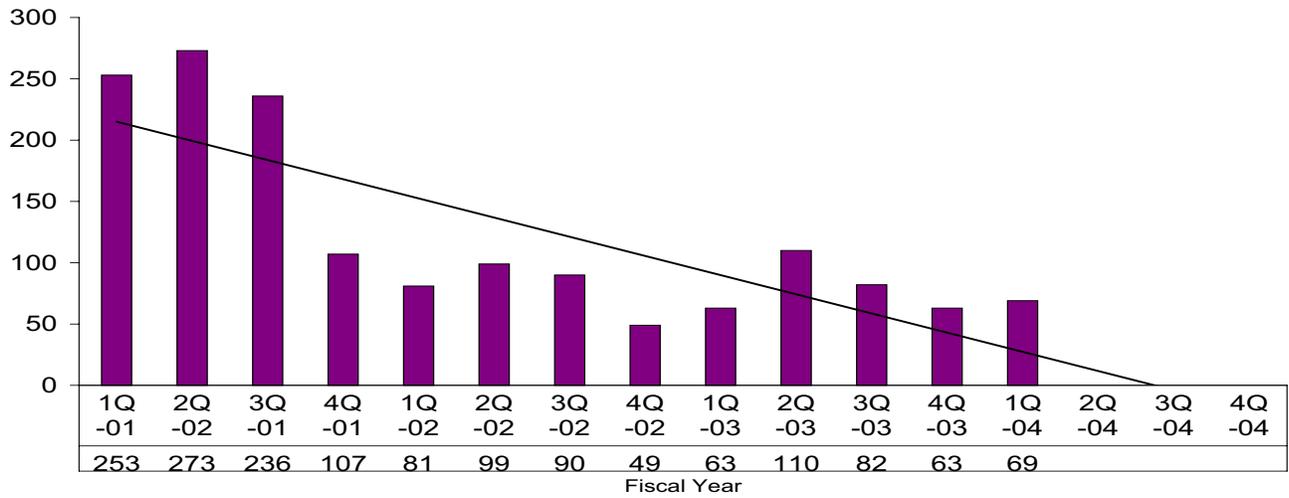
Average Age of Closed Nonconformances



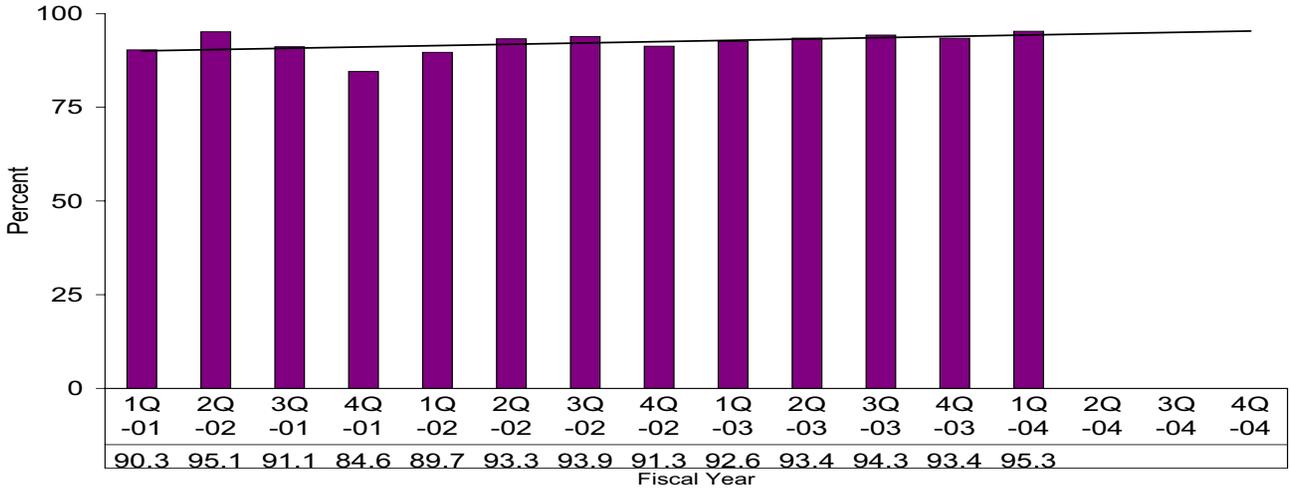
Average Age of Open Nonconformances



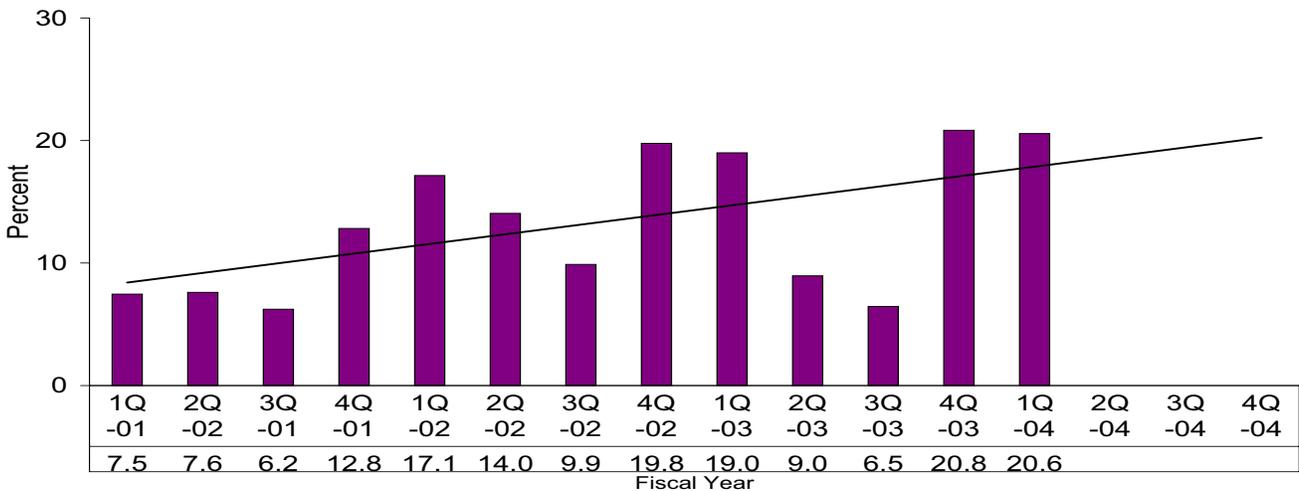
Safety Concerns



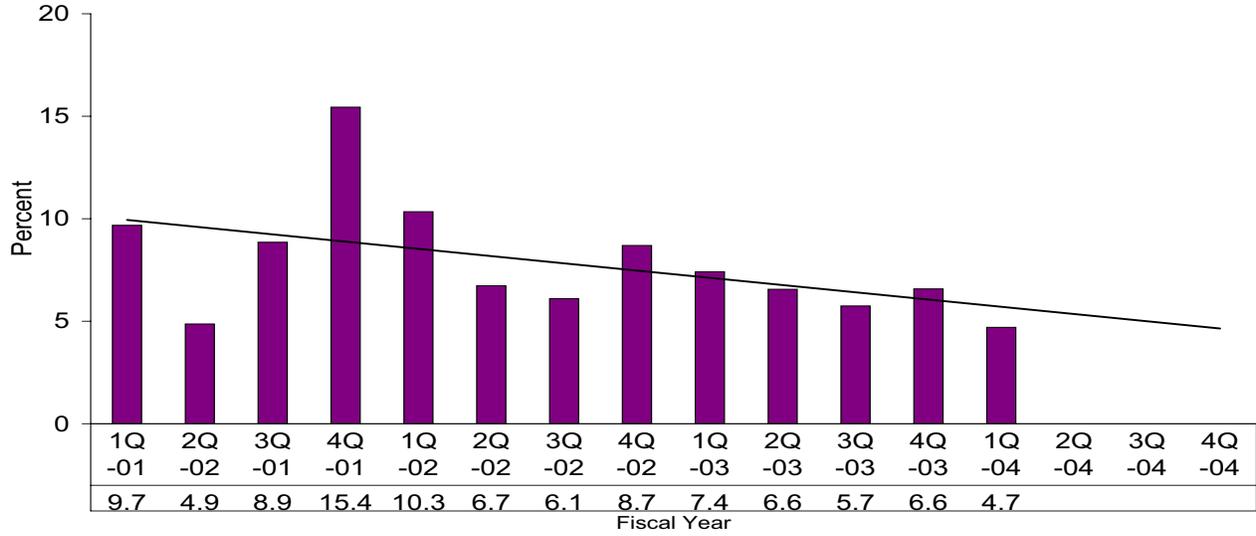
Safety Concerns Closed On-Time



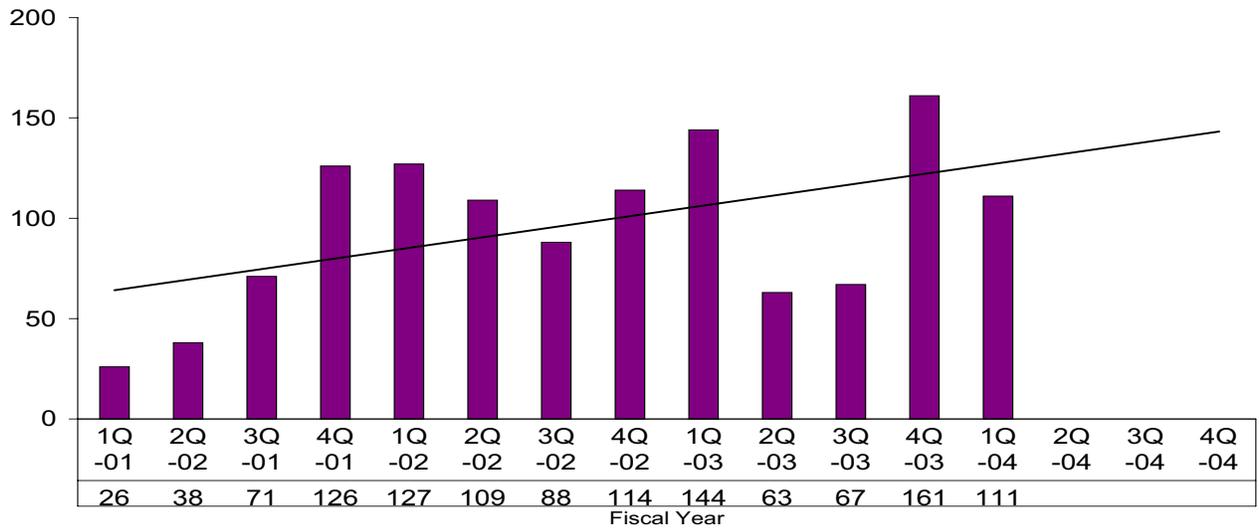
Safety Concerns Extended



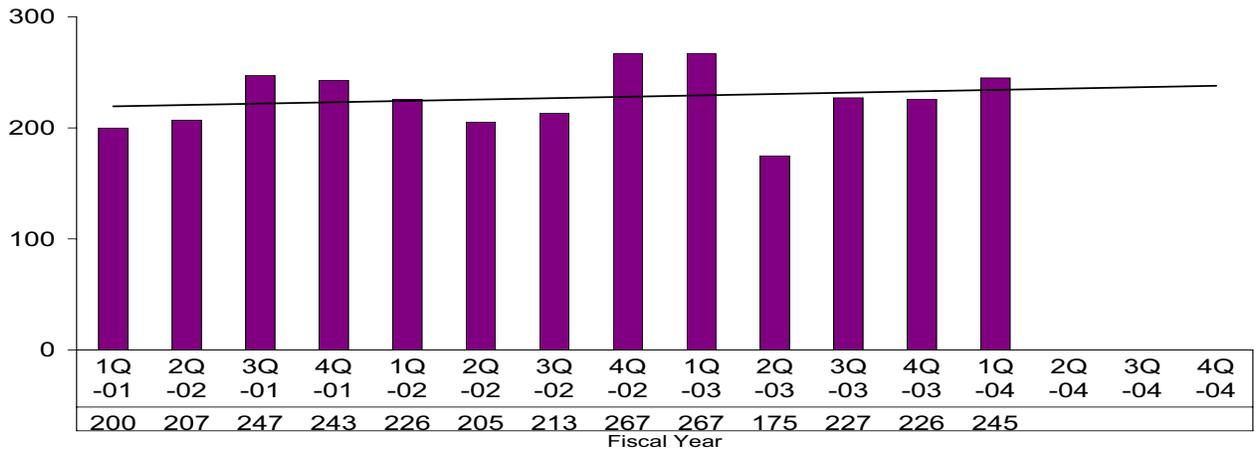
Safety Concerns Closed Late



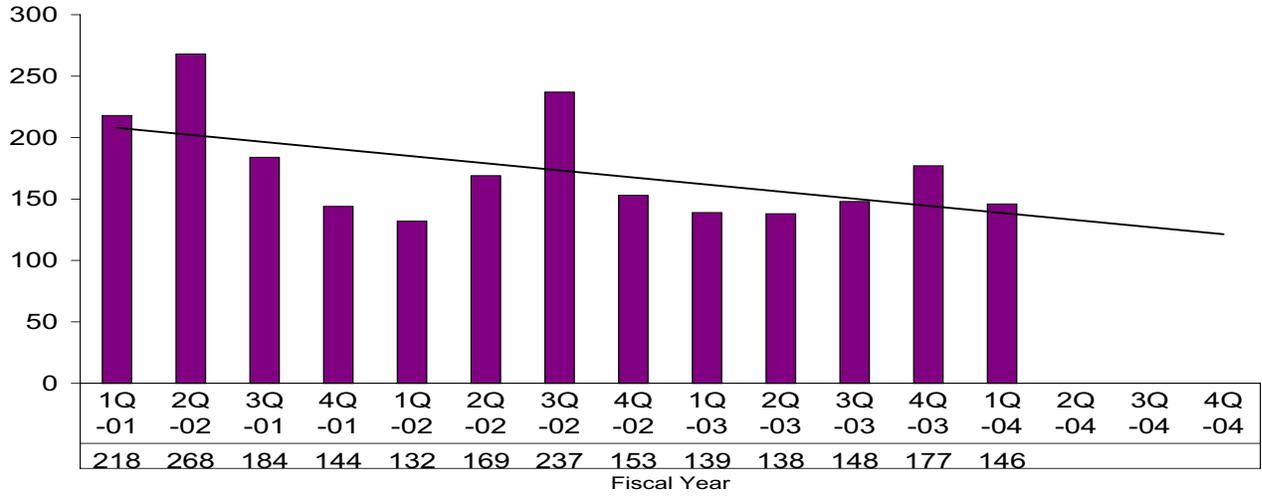
Average Age of Closed Safety Concerns



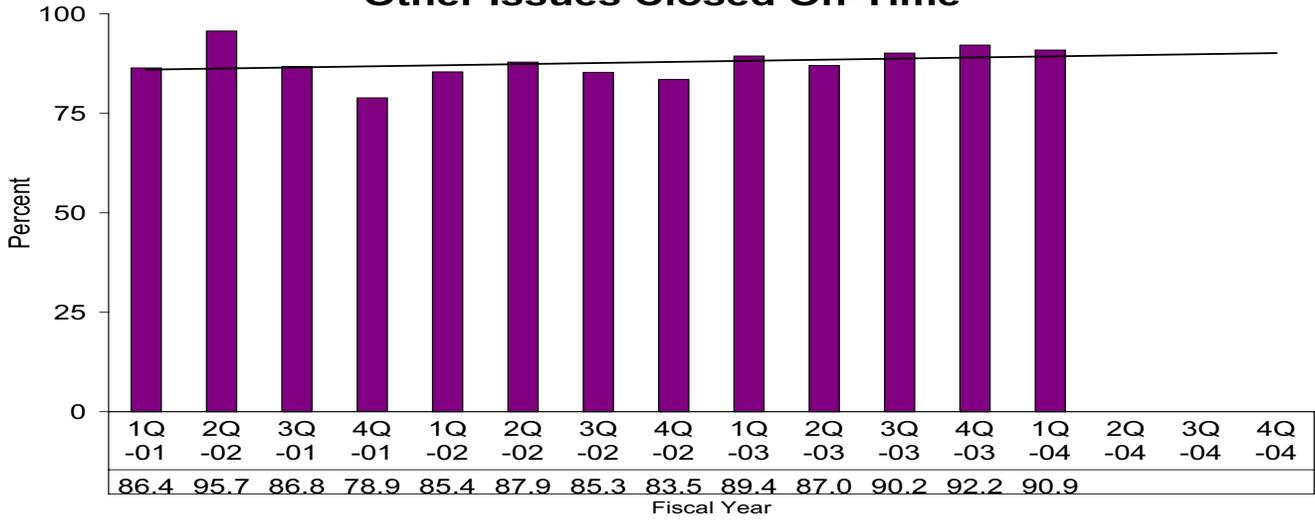
Average Age of Open Safety Concerns



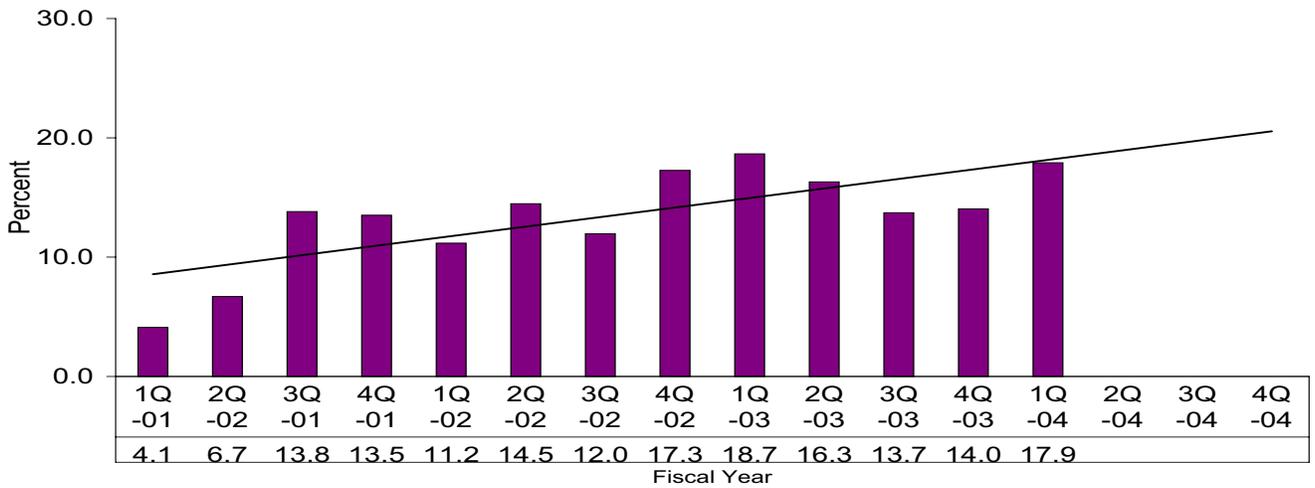
Other Issues



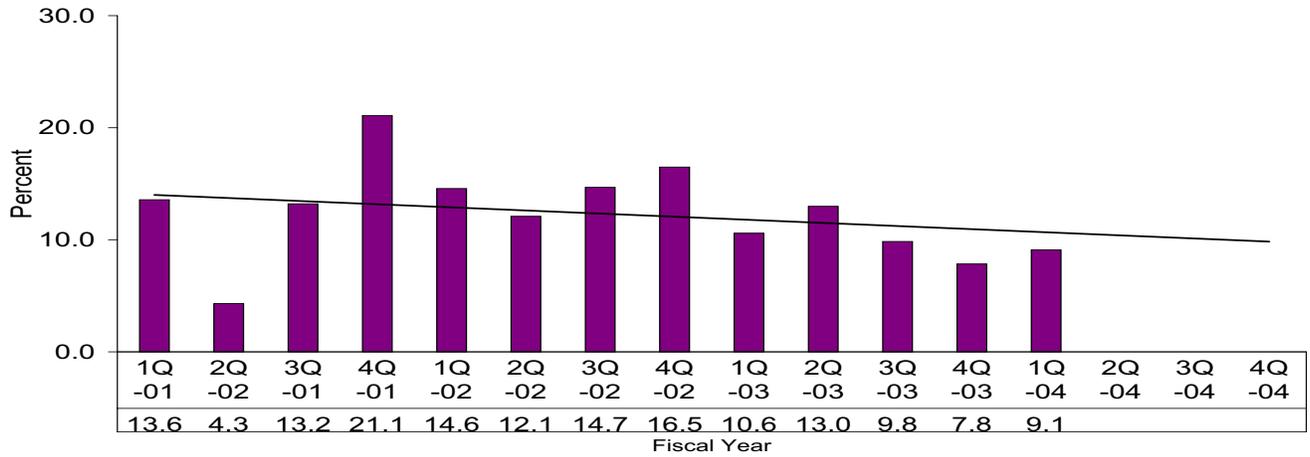
Other Issues Closed On-Time



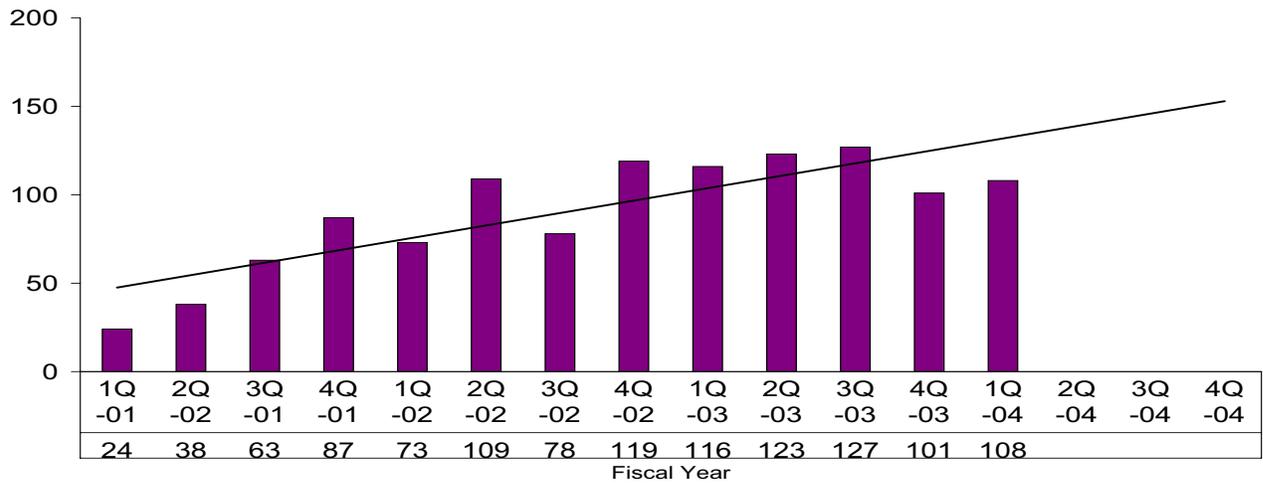
Other Issues Extended



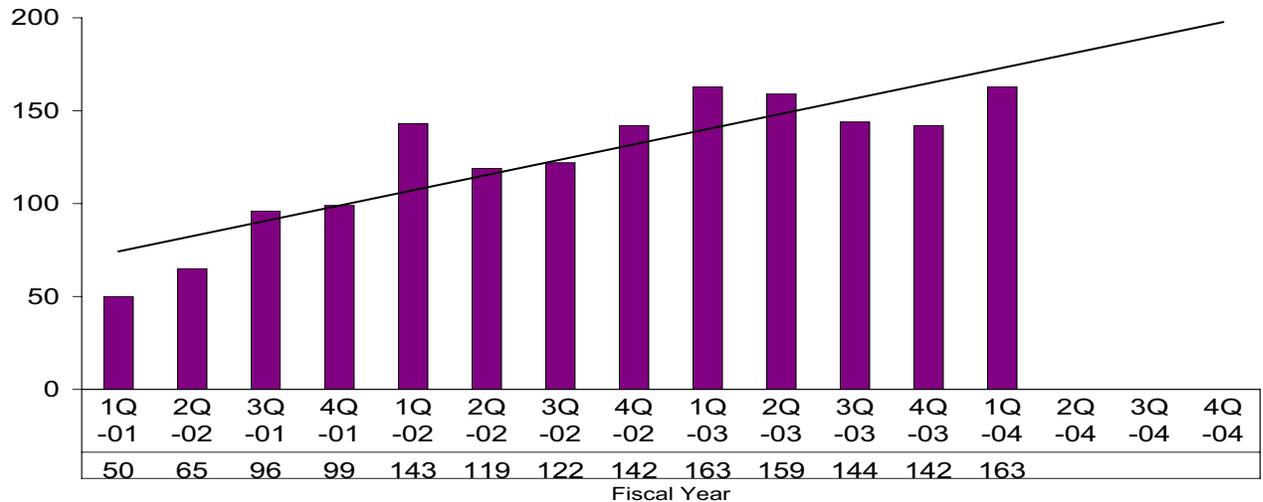
Other Issues Closed Late



Average Age of Closed Other Issues

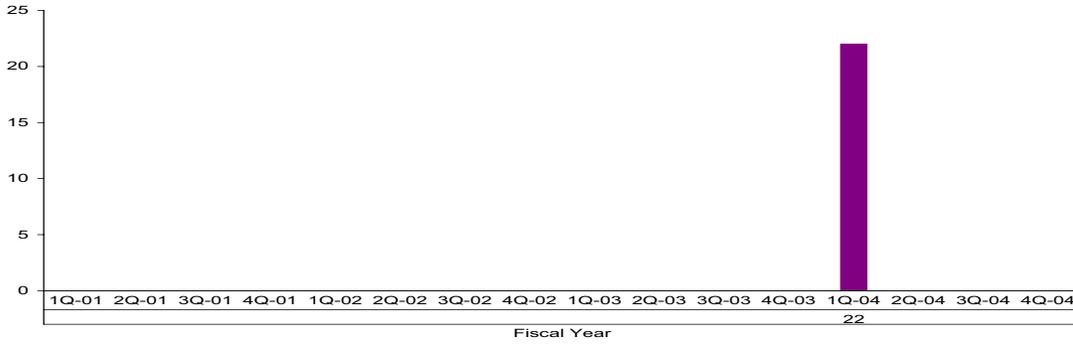


Average Age of Open Other Issues

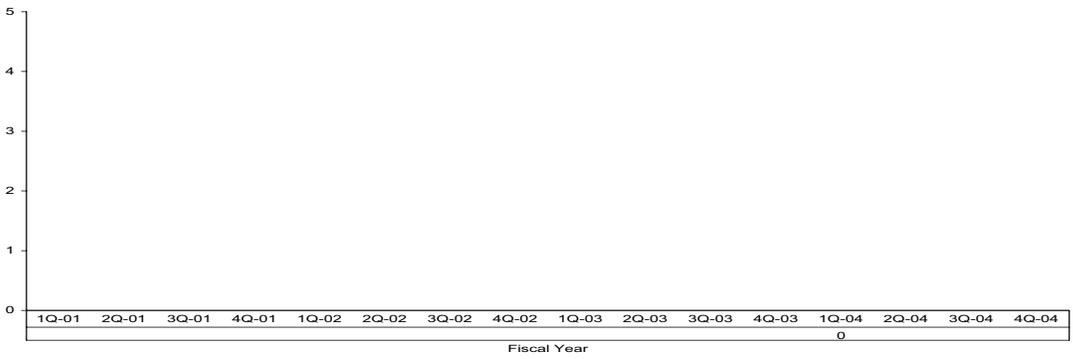


Recurring Issues

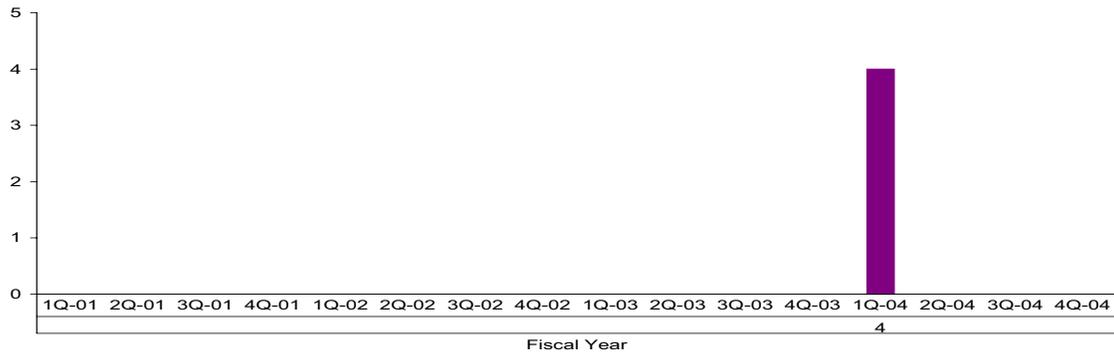
Recurring Deficiencies



Recurring Safety Concerns

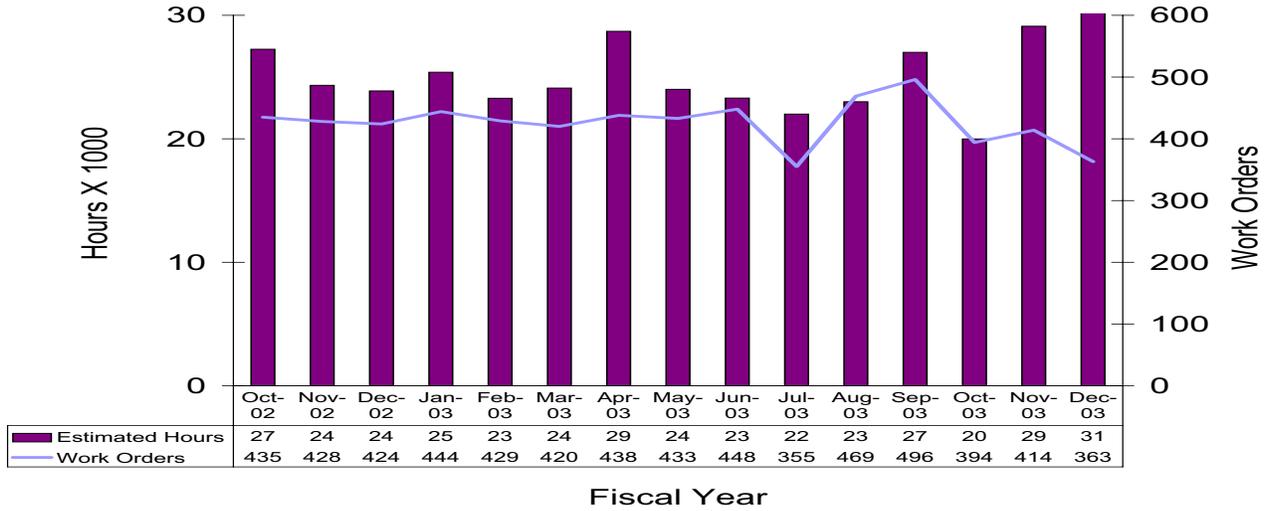


Recurring Other Issues

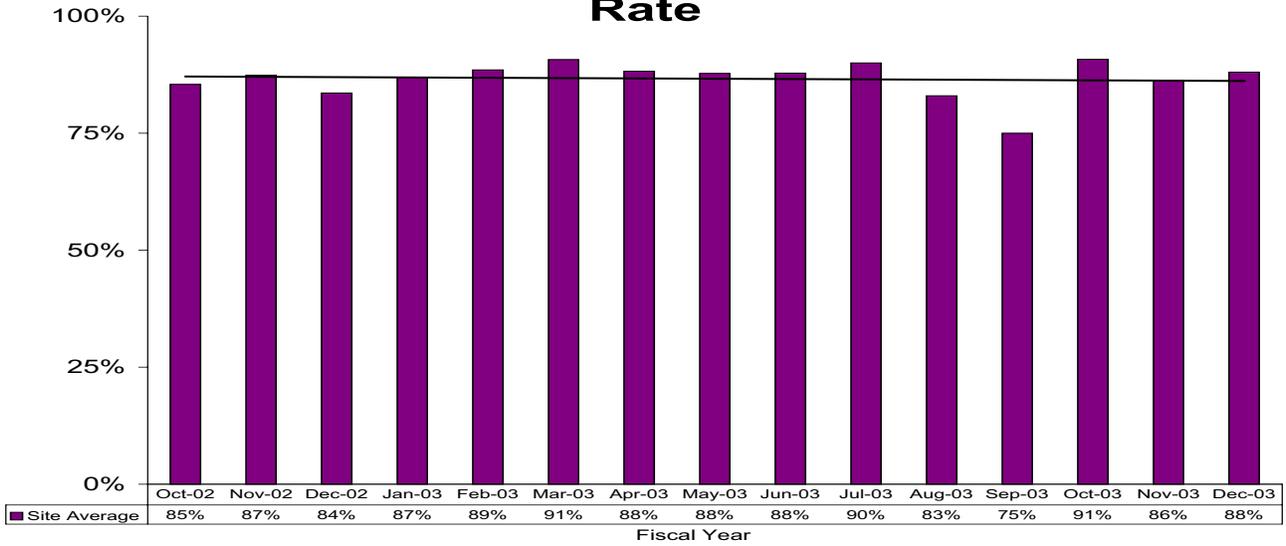


Maintenance

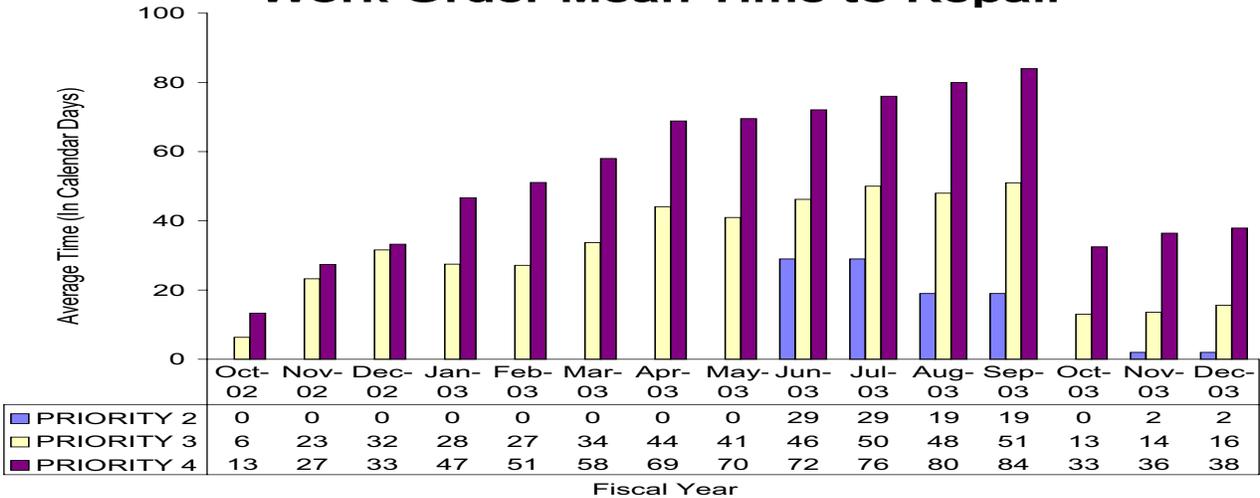
Backlog of Maintenance and Repair



Preventive Maintenance Completion Rate



Work Order Mean Time to Repair



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Descriptions of Performance Measures

Measure	Description	POC	Phone
Environment			
Environmental Compliance			
Reportable Releases to the Environment	Reportable releases are spills or releases to the environment that exceed designated thresholds and require reporting to the State of Idaho.	R. Damewood	6-0027
Externally Identified Environmental Deficiencies	These deficiencies are those identified by external regulatory agencies. Deficiencies identified by DOE are not included.	G. Branson B. Stutzman	6-6529 6-3566
Enforceable Milestones	Enforceable environmental milestones result from compliance agreements negotiated between the INEEL and regulatory agencies for environmental remediation and resolution of compliance issues. These milestones are found in the Federal Facilities Agreement/Consent Order, Notices of Violation/Consent Orders, and Voluntary Consent Orders.	L. Blackburn J. Espinosa D. Fountain	6-5779 6-1990 6-2985
Site Treatment Plan Milestones	DOE is required under the Federal Facilities Compliance Act to prepare a plan for developing treatment capacities and technologies for each facility at which DOE generates or stores mixed waste. The Site Treatment Plan (STP) is the document developed at the INEEL to fulfill this requirement. The STP is evaluated and updated by BBWI and approved by the State of Idaho quarterly.	M. Davis	6-9526
Settlement Agreement Milestones	The Settlement Agreement between DOE, the Navy, and the State of Idaho guides the management of spent nuclear fuel and radioactive waste for the next 40 years. It provides enforceable milestones, with the removal of all spent nuclear fuel from Idaho by 2035 as the ultimate goal.	Settlement Agreement Project Managers	
Pollution Prevention			
Hazardous Waste Generation	This metric is a measure of hazardous waste generated at the INEEL from routine operations. Hazardous waste is defined as waste that is regulated under RCRA. Routinely generated waste is waste from ongoing activities and excludes waste generated from remediation or decontamination and decommissioning activities.	A. Dustin	6-3952

Radioactive Low-Level Waste Generation	This metric is a measure of LLW generated at the INEEL from routine operations. LLW is radioactive waste that does not fall into the categories of high-level waste, transuranic waste, or spent nuclear fuel/by-product material. Routinely generated waste is waste from ongoing activities and excludes waste generated from remediation or decontamination and decommissioning activities.	A. Dustin	6-3952
Mixed Low-Level Waste Generation	This metric is a measure of MLLW generated from INEEL routine operations. MLLW is waste that is both RCRA hazardous and radioactive. Routinely generated waste is waste from ongoing activities and excludes waste generated from remediation or decontamination and decommissioning activities.	A. Dustin	6-3952
Sanitary Waste Recycling	This metric is a measure of sanitary waste recycled from all operations. All operations include both routine operations wastes and cleanup-stabilization wastes.	A. Dustin	6-3952
SARA 313 Chemical Usage	Section 313 of SARA requires reporting of releases of listed toxic chemicals to the environment, due to normal operations, that are manufactured, processed, or otherwise used in a calendar year. Reporting must be done only if the chemical is used above established threshold quantities.	M. Gardner	6-1970
Energy Efficiency			
Energy Consumption	This metric provides data on energy consumption from electricity and heating, in British thermal units (BTUs) per gross square footage.	K. Nell	6-0682
Petroleum Consumption	The total quantity of petroleum consumed by INEEL vehicles.	C. Comstock	6-2253
Alternative Fuel Usage	The percent of alternative fuel used in alternative fueled vehicles. Alternative fuel includes compressed natural gas, liquefied natural gas, propane, and electricity.	C. Comstock	6-2253
Safety			
Occupational Safety			
Day Away Case Rate	The rate of occurrence, per 200,000 manhours, of injuries and illnesses that result in days away from work.	A. Kavran	6-5826
Total Recordable Case Rate	The rate of occurrence of injuries and illnesses, per 200,000 manhours, that are recordable by OSHA criteria.	A. Kavran	6-5826
First Aid Case Rate	The rate of occurrence of first aid cases per 200,000 manhours.	A. Kavran	6-5826

Total Case Incidence Rate	The rate of occurrence of all recordable and first aid cases per 200,000 manhours.	A. Kavran	6-5826
Work Control Recordable Cases	OSHA recordable injuries or illnesses caused by work control failures.	B. Stutzman	6-3566
Exposures Exceeding TLVs or PELs	The number of unprotected exposures to employees which exceed ACGIH threshold limit values (TLVs) or OSHA permissible exposure limits (PELs).	D. Tuckness	6-6354
Construction Safety Violations Index	The ratio of violations observed during routine surveillances of construction activities to the total number of observations.	J. Leavitt	6-3872
Fire Protection Systems Maintenance	The percentage of maintenance activities on water based fire suppression systems and fire protection and life safety systems that are completed as scheduled.	E. Gosswiller	6-8896
Radiological Safety			
Radiological Skin Contaminations	Radiological skin contaminations that exceed reporting limits.	J. Edelmayer	6-4058
Radioactive Material Uptakes	Internal radiation exposures that exceed reporting limits.	J. Edelmayer	6-4058
Radiation Dose to Public	A hypothetical estimate of the collective dose equivalent to all off-site people within a 50-mile radius of INEEL, over a calendar year, in person REM.	B. Jonker,NE-ID	6-9855
Assessments			
Completed Assessments	To identify issues, assessments must be planned, scheduled, and performed. Completion to schedule is used to determine performance in this area.	G. Murphy	6-6496
Issues Identified by Assessments	The percent of issues identified by planned assessments. Issues identified by unplanned observations or external assessments are excluded.	G. Murphy	6-6496
Externally Identified Issues	The proportion of issues which are identified by external agencies including DOE.	G. Murphy	6-6496
Issues			
Reportable Occurrences	Occurrences which are reported into the DOE Occurrence Reporting and Processing System (ORPS).	G. Branson	6-6529
Near Miss Occurrences	Reportable occurrences classified as near misses which could have resulted in personnel injury.	G. Branson	6-6529
Safety Basis Violations	Reportable occurrences involving violation of safety basis requirements.	G. Branson	6-6529
Work Control Occurrences	Reportable occurrences caused by work control failures.	G. Branson	6-6529

PAAA Noncompliances	Issues which are categorized as noncompliances with PAAA requirements.	L. Fife	6-4880
PAAA Reportable Noncompliances	PAAA noncompliances which are reported into the DOE NTS.	L. Fife	6-4880
Significant Deficiencies	Issues which deviate from written requirements that, if uncorrected, could have a serious affect on safety, the ability to isolate waste, or the capability to mitigate the consequences of accidents that could result in potential offsite releases or exposures, or could seriously jeopardize the ability of an activity or organization to meet its mission objective.	B. Stutzman	6-3566
Adverse Deficiencies	Issues that deviate from written requirements but are not classified as significant.	G. Stultz	6-7946
Nonconformances	Items, hardware, material, or supporting information having a deficiency in characteristic, documentation, or procedure that renders the quality unacceptable or indeterminate.	B. Stutzman	6-3566
Safety Concerns	Issues that do not deviate from written requirements.	J. Simmons	6-7867
Other Issues	Issues that do not meet the criteria for occurrences, nonconformances, deficiencies, or safety concerns.	B. Stutzman	6-3566
Recurring Issues	Issues that are similar or identical to previously identified issues.	S. Hunt J. Shanahan	6-4514 6-7903
Issues Management	This set of measures applies to occurrences, PAAA noncompliances, PAAA reportable noncompliances, significant deficiencies, adverse deficiencies, nonconformances, safety concerns, and other issues.		
Issues Closed on Time	The number of issues that were closed on or before the final scheduled closure date.	S. Hunt J. Shanahan	6-4514 6-7903
Issues Extended	The number of issues with one or more changes to the scheduled closure date.	S. Hunt J. Shanahan	6-4514 6-7903
Issues Closed Late	The number of issues that were closed after the final scheduled closure date.	S. Hunt J. Shanahan	6-4514 6-7903
Average Age of Closed Issues	The average number of days issues were open.	S. Hunt J. Shanahan	6-4514 6-7903
Average Age of Open Issues	The average number of days issues have been open.	S. Hunt J. Shanahan	6-4514 6-7903

Maintenance

Backlog of Maintenance and Repair	Total estimated man-hours and number of work orders.	S. Fohrenck	6-9478
Preventive Maintenance Completion Rate	The total number of preventive maintenance work packages completed divided by the total number scheduled.	S. Fohrenck	6-9478
Work Order Mean Time to Repair	The average number of days from when work requests (in three priority levels) are submitted until the work is complete.	S. Fohrenck	6-9478

