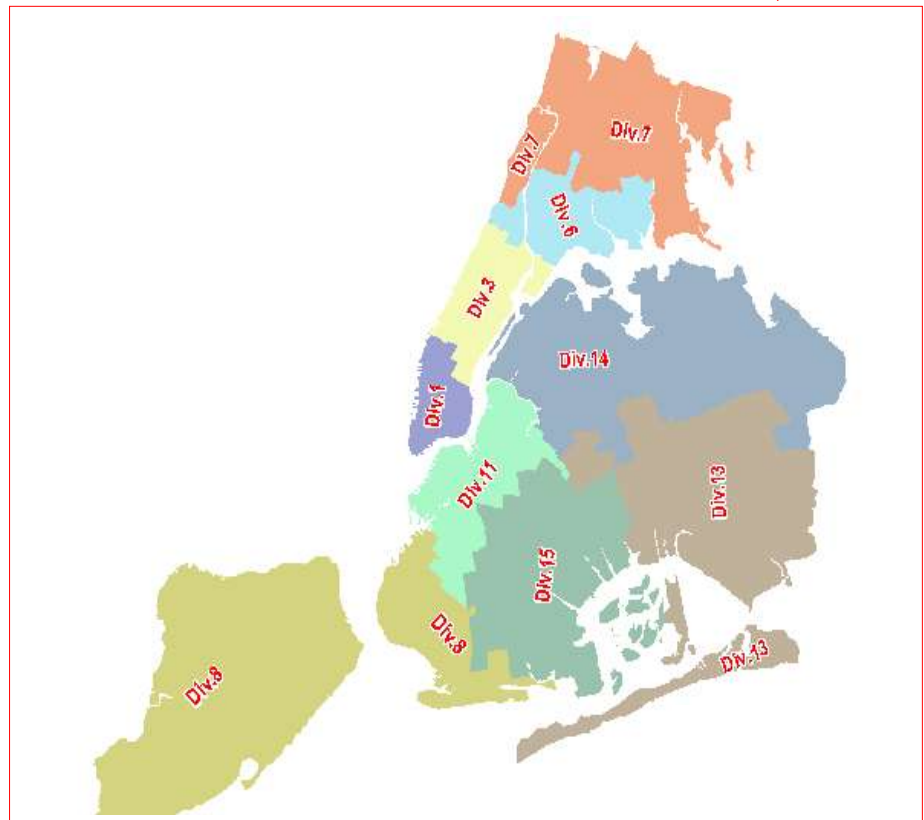


FDNY

ANNUAL REPORT TO THE DISTRICT ATTORNEY OF NEW YORK COUNTY



CDA Inspections 2010



Salvatore J. Cassano
Fire Commissioner

FDNY 2010 ANNUAL REPORT ON CDA INSPECTIONS

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FDNY 2010 ANNUAL REPORT ON CDA INSPECTIONS

This report describes the New York City Fire Department's continuing efforts to improve its construction, demolition and asbestos abatement (CDA) inspection program and provides data on the results of those efforts. The Department remains in compliance with its agreement with the Manhattan District Attorney's Office following that Office's investigation into the tragic August 2007 fire at 130 Liberty Street.

Throughout 2010, the Department continued to devote resources to CDA inspections to ensure CDA buildings comply with the City's Fire Codes. Among other accomplishments in 2010, the Department:

- Completed more than 26,000 inspections at CDA sites
- Audited 3,341 of those CDA inspections
- Consistently achieved over 90% compliance in conducting CDA inspections within the required time period
- Partnered with IBM to analyze CDA business processes and develop requirements necessary to improve those processes

Results of Inspections

The Fire Department reports on compliance for the entire CDA building workload, which includes buildings inspected by both the Fire Prevention CDA Unit and the Fire Operations field units. The Fire Prevention CDA Unit primarily inspects buildings 75 feet and taller that are legally required to have standpipes. Fire Operations field units are responsible for inspecting CDA buildings that are less than 75 feet in height.

As of November 30, 2010, the CDA workload consisted of 1,684 buildings. Since July 2009, 3,964 CDA buildings have returned to the regular cyclical building inspection program after construction or abatement work was completed, and an additional 1,354 buildings have been demolished.

Between January 1, 2010 and November 30, 2010:

- The FDNY conducted 26,482 CDA inspections:
 - Fire Operations field units conducted 21,146 CDA inspections
 - Fire Prevention's CDA Unit conducted 5,336 CDA inspections
- CDA inspections resulted in 5,493 enforcement actions:
 - 4,090 Violation Orders
 - 1,089 Notices of Violation
 - 314 Summonses

- Fire Operations field units conducted 735 familiarization drills on CDA buildings in the Fire Prevention CDA Unit's workload

Current Status

As of December 15, 2010, the on-time CDA inspection compliance rate for both the Fire Prevention CDA Unit and the Fire Operations field units was 96.65% (1,614 of 1,670 buildings in the program were inspected within the required time frame).

Separately, the compliance rates are:

- 96.29% for Fire Operations field units (1,452 of the 1,508 buildings in the Operations workload inspected timely); and
- 100% for the Fire Prevention CDA Unit (162 of the 162 buildings in the CDA Unit workload inspected timely).

Staffing

During 2010, staffing in the Fire Prevention CDA Unit and CDA Audit Units has remained constant. The Fire Prevention CDA Unit has 20 Fire Prevention Inspectors and five Supervising Inspectors; the Compliance Unit CDA Audit Group has four Fire Prevention Inspectors and one Supervising Inspector; and Fire Prevention Suppression Unit has two Fire Prevention Inspectors also conducting CDA audits.

CDA Inspection Audits

CDA Audit units from the Bureau of Fire Prevention Suppression Unit and the Department's Compliance Unit CDA Audit Group perform inspection audits on randomly selected buildings, trace standpipes, issue enforcement actions, follow up on Violation Orders and work closely with Fire Operations and the Fire Prevention CDA Units to identify training issues and improve inspection procedures.

Between January 1, 2010 and November 30, 2010, the efforts of the Fire Prevention Suppression Unit and the CDA Compliance Unit yielded the following results:

- 3,341 Quality Assurance (QA) audits and follow-up inspections:
 - 938 Fire Prevention Suppression Unit audits and inspections completed
 - 2,403 CDA Compliance Unit audits and inspections completed
- 5,634 Standpipes traced:
 - 658 by the Fire Prevention Suppression Unit
 - 4,291 by the Fire Prevention CDA Unit
 - 685 by the CDA Compliance Unit
- 716 enforcement actions resulting from CDA audits and inspections:
 - 642 Violation Orders

- 11 Notices of Violation
- 63 Summonses
- 1,984 random QA audits conducted by the Compliance Unit
 - 1,211 QA audits of Fire Operation's field unit inspection sites
 - 773 QA audits of Fire Prevention's CDA Unit inspection sites

Enhanced Computer Tracking

The Department is developing a Coordinated Building Inspection and Data Analysis System (CBIDAS) – a \$25 million, four-year project with IBM that includes partnerships with a number of City agencies, including the Department of Buildings and the Department of Environmental Protection. During the first year of the CBIDAS project, the Department has created a building data warehouse with access to computerized building information, data entry and reporting for Fire Operations field personnel. With IBM, the Department has also developed a ground-breaking inspection scheduling protocol using a customized and adjustable risk-assessment model that schedules CDA inspections and prioritizes inspections of the buildings with the greatest fire risk. The Department is currently piloting this application in the Bronx.

The second phase of the CBIDAS project kicked off in October of 2010. It entails a comprehensive business process analysis and requirements review of all Fire Prevention units including those involved with CDA inspections.

During this phase, the Department and IBM will work with FDNY Fire Prevention subject matter experts to understand their business processes, identify commonalities inherent in the inspection workflows and recommend opportunities to streamline the workflows in the future.

The Department's ultimate objective is to consolidate all inspection activities into one comprehensive inspection tracking, scheduling and reporting system.

Conclusion

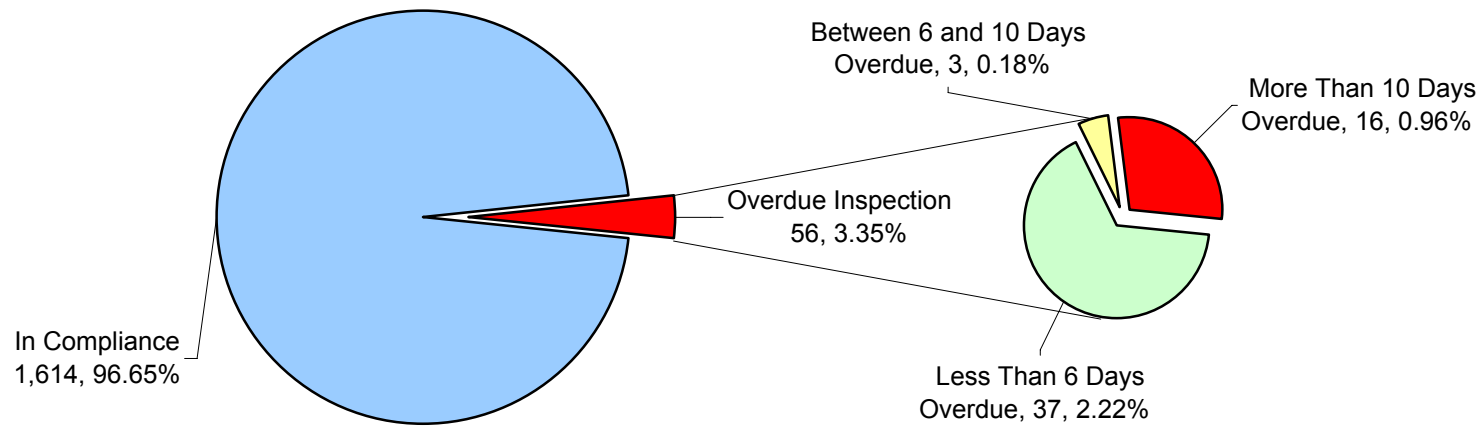
The FDNY continues to achieve excellent results from the CDA inspection and auditing groups and looks forward to improving all fire prevention activities. These efforts have enhanced the safety of both the public and FDNY's first responders.

CITYWIDE

Combined CDA Special Inspection Tracking Report

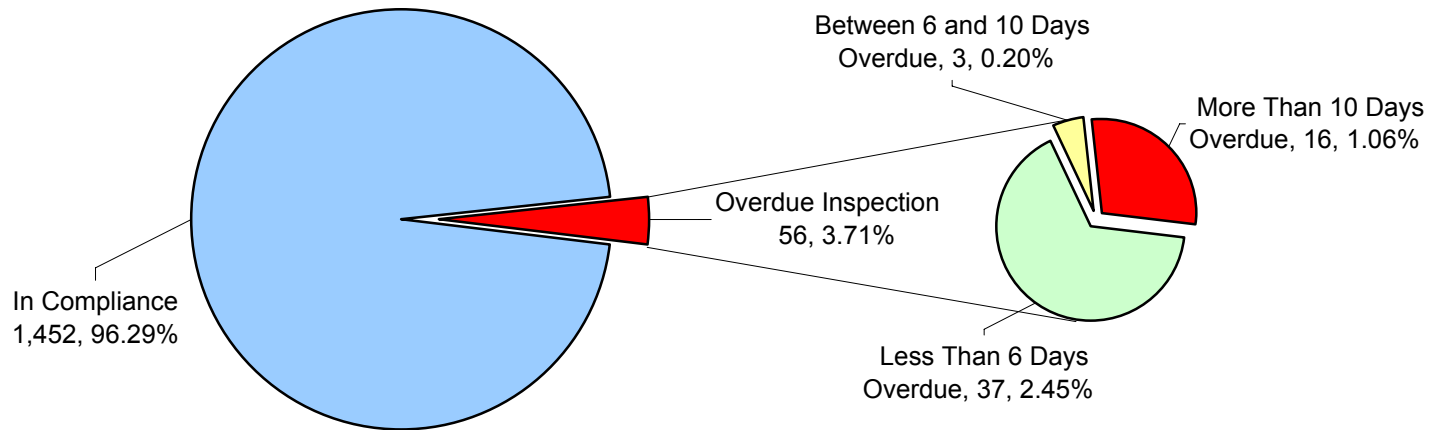
December 15, 2010 6:00 AM

96.65% or 1,614 of the 1,670 Buildings Currently In the Program Are In Compliance



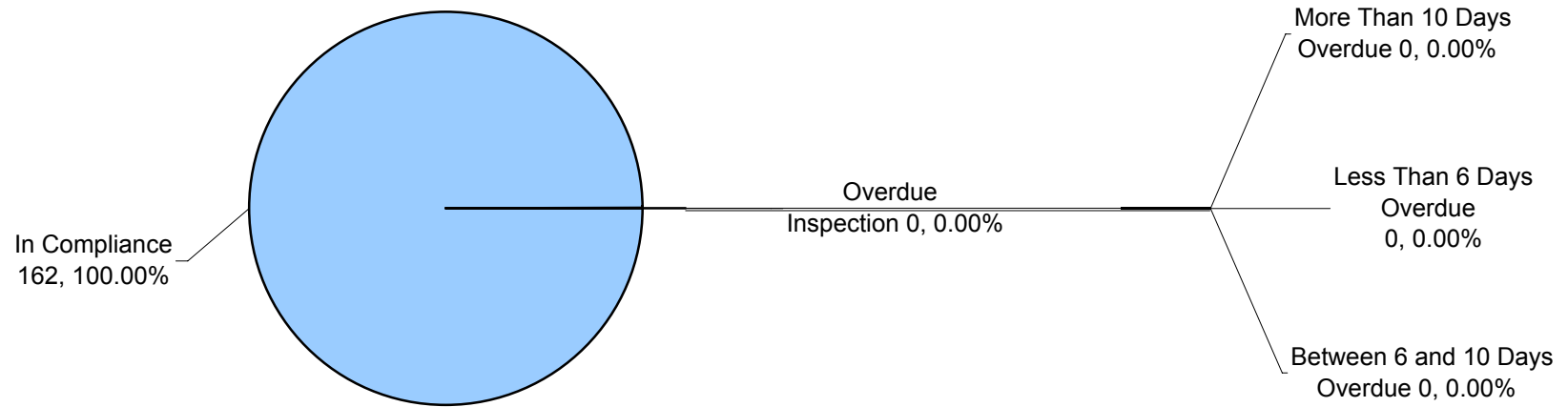
FIRE OPERATIONS FIELD UNITS
CDA Special Inspection Tracking Report
December 15, 2010 6:00 AM

96.29% or 1,452 of the 1,508 Buildings Currently In the Operations Program Are In Compliance



FIRE PREVENTION CDA UNIT
CDA Special Inspection Tracking Report
December 15, 2010 6:00 AM

100.00% or 162 of the 162 Buildings Currently In the CDA Unit Program Are In Compliance





CDA
All Buildings
 as of Report Date: 15-Dec-2010

Stat: ACTIVE

Div	Freq. 15											30								Sub Tot.	Total		
	Abatement		Alteration		Alteration/Abatement		Construction		Demo/Aba	Demolition		Abatement		Alteration		Alteration/	Construction		Demo/Aba			Demolition	
	<75 feet	>=75 feet	<75 feet	>=75 feet	<75 feet	>=75 feet	<75 feet	>=75 feet	<75 feet	<75 feet	>=75 feet	<75 feet	>=75 feet	<75 feet	>=75 feet	>=75 feet	<75 feet	>=75 feet	>=75 feet			<75 feet	
HT	<75 feet	>=75 feet	<75 feet	>=75 feet	<75 feet	>=75 feet	<75 feet	>=75 feet	<75 feet	<75 feet	>=75 feet	<75 feet	>=75 feet	<75 feet	>=75 feet	>=75 feet	<75 feet	>=75 feet	>=75 feet	<75 feet			
01	5	3	1	1	1	1			3			2	3		36	12	1	11	40		2	122	122
03	2	2	2						3				2	2	43	5	1	11	31	1	7	112	112
06	1		2					3							5			25	20		3	59	59
07		1	1					5	1						7	1		36	8		1	61	61
08	1		3					4		1			2		30			59	8		4	112	112
11	7		7					5	1				1		74	3		182	20		1	301	301
13	2												1		8			25	2		3	41	41
14	3		1					5	2				1		27	1		128	23		3	194	194
15			4					5							20	1		69	10		6	115	115
SO			3		1						1				8	1		10	1			25	25
Total	21	6	24	1	2	1	27	10	1	1	2	10	2	258	24	2	556	163	1	30	1142	1142	



CDA
All Buildings
 as of Report Date: 15-Dec-2010

Stat: HOLD

Div	Freq. 15										30					Sub Tot.	Total	
	Abatement		Alteration		Alteration/		Construction		Demolition		Alteration		Construction		Demolition			
	<75 feet	>=75 feet	<75 feet	>=75 feet	<75 feet	<75 feet	>=75 feet	<75 feet	>=75 feet	<75 feet	<75 feet	>=75 feet	<75 feet	>=75 feet	<75 feet			>=75 feet
01	1	1	6	5	1	1	24	8	5			1	1			54	54	
03	2	1	10	2		6	19	10	1	1			1		1	54	54	
06	4		1	2		8	7	5						1		28	28	
07	2	2	1			24	9					3	1			42	42	
08	1		8			45	7			1		2				64	64	
11			17	2		86	14	2		1		4	3			129	129	
13			3	1		21	2	2				1				30	30	
14	1		6			62	12	4	1			3	2	1		92	92	
15	2		6			18	3					1				30	30	
SO			1			1	1	2								5	5	
Total	13	4	59	12	1	272	98	33	7	3	15	9	1	1	528	528		



CDA
Completed Buildings
 as of Report Date: 14-DEC-2010

Div	HT																												Sum		
	Freq. 1				7				15				30																		
	Type		Const		Demolition		Abate		Abatement		Alteration		Construction		Demolition		Abatement		Alteration		Construction		Demolition			Abatement		Alteration		Construction	
<75 feet	>=75 feet	<75 feet	>=75 feet	<75 feet	>=75 feet	<75 feet	>=75 feet	<75 feet	>=75 feet	<75 feet	>=75 feet	<75 feet	>=75 feet	<75 feet	>=75 feet	<75 feet	>=75 feet	<75 feet	>=75 feet	<75 feet	>=75 feet	<75 feet	>=75 feet	<75 feet	>=75 feet	<75 feet	>=75 feet	<75 feet	>=75 feet	<75 feet	>=75 feet
01					29	10	5	1	15	37	5	1	33	2	30	13	43	121	42	2			1	1	1	1	3	5	1	402	
03	1				28	11	3	2	25	28	19	4	41	4	29	12	36	109	62	1			2	3	4	1	6		431		
06					7	1			14	16	1		7		11	3	74	28	38						2		4		206		
07					4	2	1		53	7	1		19		6		138	31	75										337		
08				1	11		11		122	5	4		7		49		406	15	208		1		1		6		4		851		
11					16	1	5		179	17	12	1	12		44		193	59	110		1		2	1	8	3	32		696		
13			1		10		2		40	2	4		11		19	1	222	9	169	1			3		12		6		512		
14				1	9		3		200	21	6		13		20	2	389	47	339				2		7	4	8	1	1072		
15		1			10	1	4		213	8	7	1	17		22	1	277	13	134						2		1		712		
SO					3	1	1		5	3			5		12		61	7	39				1		2		1		141		
Sum	1	1	1	2	127	27	35	3	866	144	59	7	165	6	242	32	1839	439	1216	4	2	1	12	5	44	11	67	2	5360		

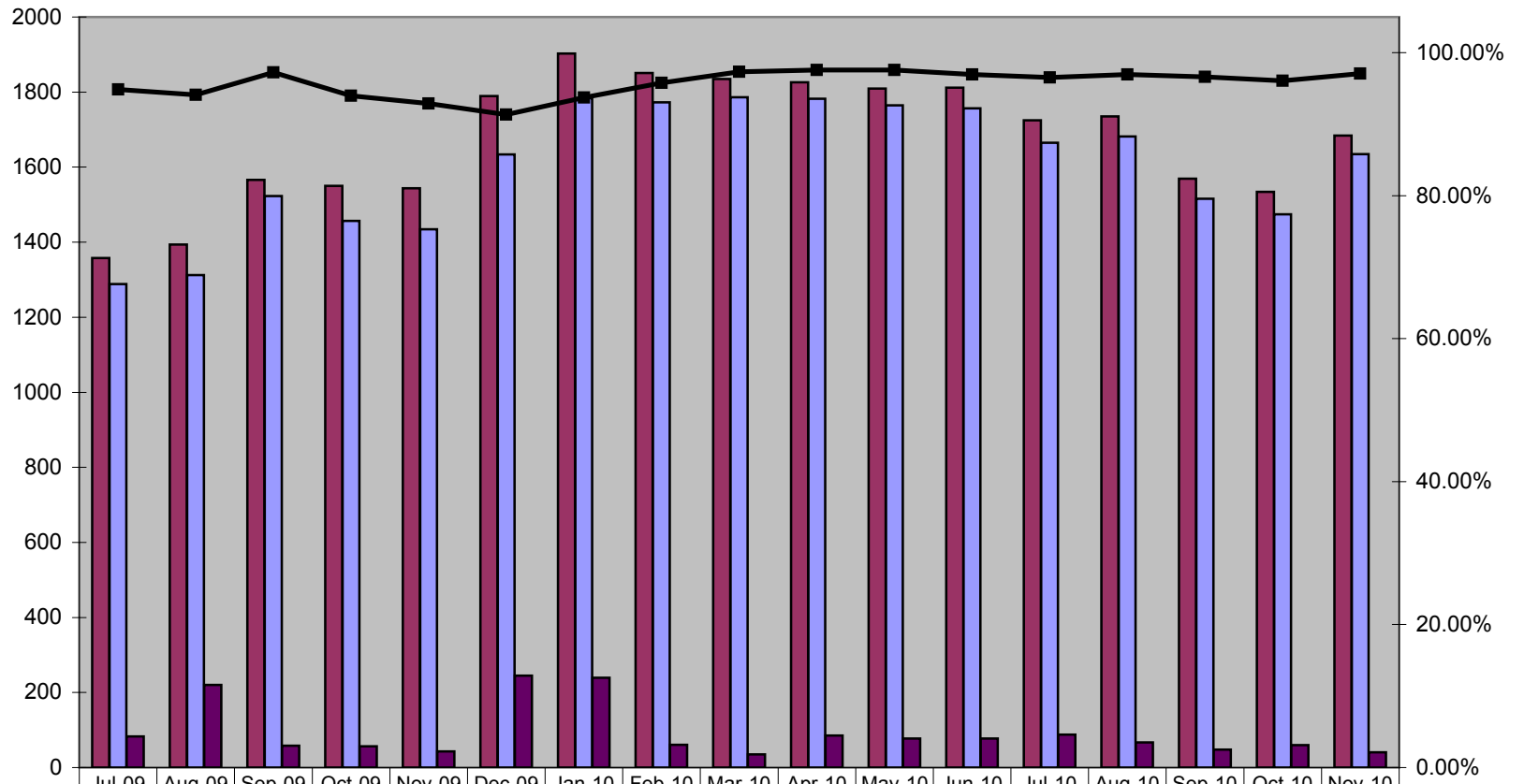


OPERATION'S FIELD UNIT FAMILIARIZATION DRILLS CY-2010

Run Date: 12/15/2010 07.58.50 AM

	Drill Count
Borou	
BK	138
BX	92
MN	422
QN	80
SI	3
Sum	735

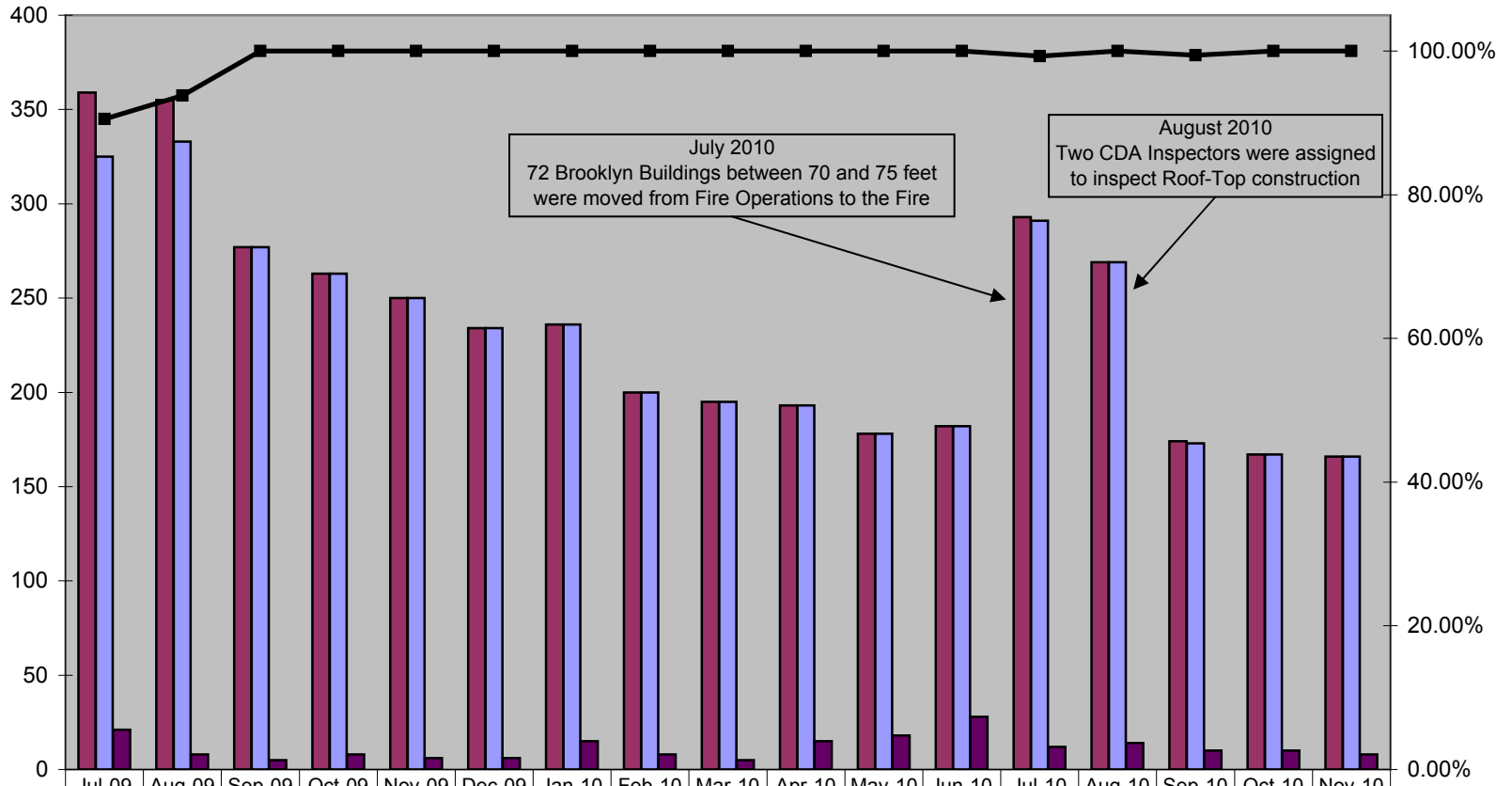
Fire Operation's Field Units CDA Compliance Report



Building Count	1358	1394	1566	1550	1544	1789	1903	1851	1835	1826	1809	1812	1725	1735	1569	1534	1684
In Compliance	1288	1312	1523	1457	1434	1634	1784	1773	1786	1782	1765	1757	1665	1682	1516	1474	1635
Buildings Added	83	220	58	57	43	245	239	61	35	85	77	77	88	67	48	60	41
% Compliance	94.85%	94.12%	97.25%	94.00%	92.88%	91.34%	93.75%	95.79%	97.33%	97.59%	97.57%	96.96%	96.52%	96.95%	96.62%	96.09%	97.10%

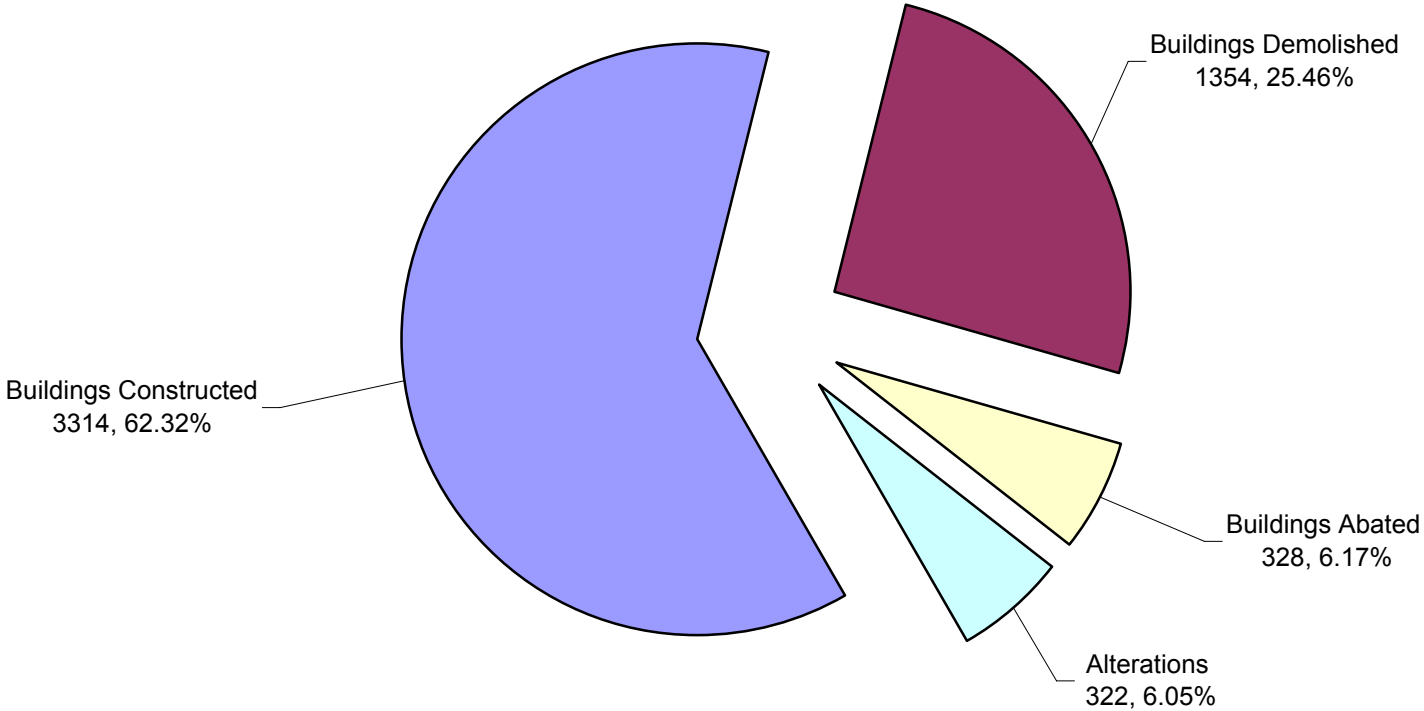
Data Source: Oracle Data Warehouse/Discoverer/CDA Inspection Report

Fire Prevention CDA Unit Compliance Report



Building Count	359	355	277	263	250	234	236	200	195	193	178	182	293	269	174	167	166
In Compliance	325	333	277	263	250	234	236	200	195	193	178	182	291	269	173	167	166
Buildings Added	21	8	5	8	6	6	15	8	5	15	18	28	12	14	10	10	8
% Compliance	90.53%	93.80%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	99.32%	100%	99.43%	100%	100%

CDA BUILDINGS COMPLETED
No Further Special Inspections Needed
As of November 30, 2010 6:00 AM



SUMMARY OF AUDIT AND INSPECTION ACTIVITIES

Cumulative Summary CDA FP Suppression Unit Audits and Inspections – JANUARY 1, 2010 TO NOVEMBER 30, 2010

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	Total
Number of Audits & Inspections	66	68	84	89	92	76	89	105	100	85	84	938
Standpipe Traced	44	50	58	64	68	60	58	73	73	56	54	658
Violations Issued	26	39	25	27	28	26	21	25	21	22	20	280
Building Completed	4	3	7	10	3	8	9	16	13	13	7	93
No Construction Underway	4	4	1	4	2	1	5	5	2	3	1	32
No Access	4	5	5	4	5	1	7	6	7	6	3	53
No Standpipe Constructed Yet	8	4	7	9	6	6	9	6	9	9	8	81
Violations Cured	37	21	24	23	26	10	27	19	15	21	22	245
Number of Summons Issued	1	5	8	5	3	5	4	3	2	2	2	40
Number of NOVs Issued	0	0	0	0	0	0	0	0	0	0	0	0

Cumulative Summary CDA Compliance Unit Audits and Inspections – JANUARY 1, 2010 TO NOVEMBER 30, 2010

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	Total
Number of Audits & Inspections	207	198	166	246	224	246	210	249	234	223	200	2403
Standpipe Traced	64	69	54	83	80	57	63	72	62	69	55	728
Violations Issued	30	21	17	34	30	46	33	50	33	42	26	362
Building Completed	16	21	22	17	23	19	12	19	19	18	19	205
No Construction Underway	2	0	0	0	1	1	0	0	0	1	0	5
No Access	37	32	26	43	21	16	21	28	28	18	22	292
No Standpipe Constructed Yet	0	0	0	0	0	0	0	0	0	0	3	3
Violations Cured	29	20	15	33	19	28	37	43	31	36	38	329
Number of Summons Issued	3	1	3	1	2	2	4	2	2	1	2	23
Number of NOVs Issued	0	0	1	4	1	0	3	1	0	1	0	11

Compliance Work Summary As of 11/30/10

Month	CDA AUDITS						OPS AUDITS						VO STATUS										TOTAL INSPECT			
	# Inspection	VO Issued	NOV	# Inspectors	Hrs	Min	# Inspection	VO Issued	NOV	# Inspectors	Hrs	Min	VO CURED			VO ACTIVE			SUMMONS					NOVS		
													CDA	OPS	TOT	CDA	OPS	TOT	CDA	OPS	SMKG	TOT		CDA	OPS	TOT
Jan-10	77	11	0	77	92	10	100	19	0	100	77	55	11	18	29	0	0	0	0	1	2	3	0	0	0	30
Feb-10	79	13	0	79	100	0	88	8	0	88	71	35	13	7	20	0	0	0	0	1	0	1	0	0	0	31
Mar-10	63	4	1	63	81	40	80	13	0	80	65	40	4	11	15	0	0	0	0	2	1	3	1	0	1	23
Apr-10	94	9	2	94	118	10	114	25	2	114	94	50	9	24	33	0	0	0	0	1	0	1	2	2	4	38
May-10	74	5	1	74	99	55	117	25	0	117	119	10	4	25	29	0	0	0	1	0	1	2	1	0	1	33
Jun-10	72	11	0	72	97	5	130	35	0	130	137	30	10	34	44	0	0	0	1	1	0	2	0	0	0	44
Jul-10	68	5	2	68	85	50	98	28	1	98	93	20	5	26	31	0	0	0	0	4	0	4	2	1	3	44
Aug-10	61	9	0	61	42	35	140	41	1	140	61	10	9	39	48	0	0	0	0	2	0	2	0	1	1	48
Sep-10	62	5	0	62	35	25	132	28	0	132	38	15	5	26	31	0	0	0	0	2	0	2	0	0	0	40
Oct-10	76	8	0	76	93	15	106	34	1	106	106	20	8	33	41	0	0	0	0	1	0	1	0	1	1	41
Nov-10	47	9	0	47	55	970	106	17	0	106	65	2215	6	16	22	2	0	2	1	1	0	2	0	0	0	47
TOTAL	773	89	6	773	897	1215	1211	273	5	1211	926	2500	84	259	343	2	0	2	3	16	4	23	6	5	11	419

Calendar Year-To-Date Summary of all Inspections by Compliance / CDA

Total Audits (OPS+CDA)	1984
Total Inspections	419
Total Violation Orders (VO) Issued	362
VO Cured	343
VO Still Active	2
Number of Summons (VOs Overridden and Non VO Affiliated)	23
Number of NOVs	11

Compliance CDA / OPS Summary of Critical Elements
1/1/10 - 11/30/2010

FIRE OPS #VOs Entered 273

As of 11/30/10

Critical Elements	Description	# Occurrences	Percentage (%)
1	Examine Signage (Construction Permits)	97	20%
2	Open fire and smoking	0	0%
3	Storage of flammable / compressed gases	116	24%
4	Heating devices for curing and drying products	10	2%
5	Unobstructed egress	158	32%
6	Site Safety Manager obligations	18	4%
7	Required Fire Guards	4	1%
8	Portable fire extinguishers	89	18%
9	Elevator in readiness	0	0%
Total		492	100%

FPCDA #VOs Entered 89

As of 11/30/10

Critical Elements	Description	# Occurrences	Percentage (%)
1	Examine Signage (Construction Permits)	11	7%
2	Open fire and smoking	0	0%
3	Storage of flammable / compressed gases	28	19%
4	Heating devices for curing and drying products	2	1%
5	Unobstructed egress	49	33%
6	Site Safety Manager obligations	9	6%
7	Required Fire Guards	0	0%
8	Portable fire extinguishers	10	7%
9	Elevator in readiness	2	1%
10	Tracing stand-pipe system	37	25%
Total		148	100%

TOTAL # Vos ISSUED By Compliance CDA Inspectors as of 11/30/2010 = 362