

# Executive Summary Report

## SMOG CHECK Statewide

Fourth Quarter 2006

### 1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	2,072,077	264,997	12.79%
Total	2,451,541	354,828	14.47%

### 2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	1,755,505	84.72%	316,572	15.28%
Total	2,026,529	82.66%	425,012	17.34%

### 3. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	1,048,964	85.18%	182,511	14.82%
Total	1,218,861	83.87%	234,410	16.13%

### 4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	48,597	2.35%
All Emissions	155,351	7.50%
All Visual	29,501	1.42%
All Functional	156,636	7.56%
OBDII	73,771	3.56%
Overall	264,997	12.79%

### 5. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	540,439	474,613
Directed Vehicles	691,036	574,351
Total	1,231,475	1,048,964

### 6. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	103,412	86,877
Directed Vehicles	601	63
Total	104,013	86,940

### 7. Number of Stations by Type/Privilege and Program Area

Station Type	Enhanced	Partial	Basic	Change of Ownership	Unknown	Total
Regular Test and Repair	4,897	289	545	44	0	5,775
Test Only	2,115	37	20	1	0	2,173
Basic Area Dealer	1	1	119	0	0	121
Gold Shield	423	27	62	73	0	585
Business Fleet	6	1	0	0	0	7
Permanent Fleet Registered	36	1	6	0	0	43
Referee	34	0	6	1	0	41
Government Fleet	241	8	36	2	0	287
Unknown Type	2	0	0	0	0	2
Total	7,755	364	794	121	0	9,034

### 8. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	1,639,000	214,485	13.09%	38,513	2.35%
Partially Enhanced	97,506	14,074	14.43%	2,616	2.68%
Basic	185,075	21,400	11.56%	4,690	2.53%
Change of Ownership	15,999	2,187	13.67%	629	3.93%
No Program	16	0	0.00%	0	0.00%
Unknown Program	134,481	12,851	9.56%	2,149	1.60%
Total Program Area	2,072,077	264,997	12.79%	48,597	2.35%

### 9. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	1,231,475	176,406	14.32%	34,396	2.79%
Regular	712,201	71,977	10.11%	11,131	1.56%
Basic Area Dealer	13,924	736	5.29%	89	0.64%
Gold Shield in Enhanced Area	73,734	9,781	13.27%	1,581	2.14%
Gold Shield in Basic Area	19,329	2,973	15.38%	723	3.74%
Gold Shield in COO Area	10,950	1,386	12.66%	399	3.64%
Business Fleet	65	4	6.15%	0	0.00%
Permanent Fleet Registered	480	30	6.25%	3	0.63%
Referee	2,330	1,064	45.67%	191	8.20%
Government Fleet	7,588	640	8.43%	84	1.11%
Unknown Privilege	1	0	0.00%	0	0.00%
Total	2,072,077	264,997	12.79%	48,597	2.35%

10. Initial Tests by Vehicle Model Year

Model Year	Initial Tests	Failed Overall	Percent (%) Failed Overall	Percent (%) Failed Emissions	Percent (%) Failed Gross Polluters	Percent (%) Failed Functional	Percent (%) Failed Visual	Percent (%) Failed OBDII
MY-0	2	1	50.00%	50.00%	0.00%	50.00%	0.00%	0.00%
MY-1955	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1960	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1965	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1966	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1967	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1972	3	2	66.67%	33.33%	0.00%	33.33%	66.67%	0.00%
MY-1973	5	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	30	6	20.00%	13.33%	3.33%	13.33%	6.67%	0.00%
MY-1975	70	19	27.14%	24.29%	11.43%	14.29%	5.71%	0.00%
MY-1976	4,047	1,072	26.49%	19.84%	9.34%	14.21%	8.80%	0.00%
MY-1977	6,309	1,578	25.01%	18.24%	8.50%	13.68%	7.56%	0.00%
MY-1978	7,137	1,955	27.39%	20.40%	9.93%	14.22%	8.65%	0.00%
MY-1979	8,716	2,374	27.24%	21.36%	10.25%	14.13%	8.11%	0.00%
MY-1980	5,215	1,449	27.79%	21.67%	11.22%	14.92%	7.86%	0.00%
MY-1981	5,992	1,711	28.55%	23.38%	11.53%	14.64%	8.21%	0.00%
MY-1982	7,691	2,179	28.33%	23.36%	10.90%	14.94%	7.26%	0.00%
MY-1983	9,194	2,710	29.48%	23.85%	10.72%	15.29%	7.48%	0.00%
MY-1984	18,270	5,368	29.38%	24.30%	11.90%	15.22%	6.83%	0.00%
MY-1985	24,693	7,009	28.38%	23.20%	11.27%	14.72%	6.02%	0.00%
MY-1986	35,561	9,117	25.64%	20.44%	9.15%	13.30%	5.00%	0.00%
MY-1987	45,162	11,880	26.31%	21.74%	8.49%	12.47%	4.17%	0.00%
MY-1988	50,113	11,832	23.61%	19.00%	7.30%	11.64%	3.49%	0.00%
MY-1989	68,163	14,254	20.91%	16.27%	5.97%	10.39%	2.97%	0.00%
MY-1990	75,424	14,409	19.10%	14.99%	5.11%	8.96%	2.34%	0.00%
MY-1991	89,164	15,395	17.27%	13.43%	4.24%	7.83%	1.72%	0.00%
MY-1992	82,657	13,118	15.87%	12.36%	3.89%	6.75%	1.60%	0.00%
MY-1993	98,859	17,173	17.37%	14.21%	3.17%	6.58%	1.50%	0.00%
MY-1994	116,840	15,657	13.40%	10.32%	2.14%	5.19%	1.48%	0.00%
MY-1995	121,777	14,834	12.18%	9.06%	1.94%	4.77%	1.24%	0.00%
MY-1996	143,639	21,915	15.26%	5.62%	0.86%	11.36%	0.90%	10.33%
MY-1997	126,965	17,019	13.40%	4.57%	0.76%	10.27%	0.81%	9.31%
MY-1998	204,949	18,992	9.27%	2.49%	0.41%	7.37%	0.55%	6.74%
MY-1999	139,844	10,461	7.48%	1.58%	0.29%	6.25%	0.42%	5.70%
MY-2000	314,120	20,275	6.45%	0.93%	0.22%	5.68%	0.36%	5.20%
MY-2001	112,727	5,476	4.86%	0.46%	0.09%	4.41%	0.22%	3.94%
MY-2002	56,633	2,511	4.43%	0.38%	0.09%	4.08%	0.19%	3.51%
MY-2003	32,874	1,219	3.71%	0.27%	0.07%	3.39%	0.17%	2.86%
MY-2004	19,978	739	3.70%	0.20%	0.05%	3.38%	0.19%	2.84%
MY-2005	17,247	598	3.47%	0.19%	0.08%	3.15%	0.25%	2.71%
MY-2006	19,369	594	3.07%	0.08%	0.04%	2.92%	0.11%	2.62%
MY-2007	2,631	96	3.65%	0.11%	0.00%	3.53%	0.00%	3.42%
MY-2008	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	2,072,077	264,997	12.79%	7.50%	2.35%	7.56%	1.42%	3.56%

**11. Referee Activity**

	Certificates Issued
Certificate of Compliance	2,111
Certificate of Non Compliance	3
Parts Cost	259
Hardship Extensions	310
Exempt Vehicle	77
Exempted by Directive	419
Parts Exemption	6
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	<b>3,185</b>

**12. Active Stations**

	Station Count
Licensed Stations that did not Conduct a Test	1,172
Stations Locked-Out at Least Once	1,015
Stations Conducted at Least One Test	7,862

**13. Active Technicians**

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	11,337	5,808
EA	Gas Endorsement	20	0
EB	Both Endorsement	59	0
EB	Gas Endorsement	589	0
EU	Gas Endorsement	1	0
GU	Both Endorsement	20	0

**14. Inspection Costs**

	ASM Initial Test Count	Avg ASM Inspection Cost	TSI Initial Test Count	Avg TSI Inspection Cost	Total Initial Tests	Overall Average Inspection Cost
Test Only	1,115,906	48.42	106,565	48.62	1,222,471	48.44
Test and Repair	493,158	46.78	210,615	44.33	703,773	46.05
Test and Repair Dealer	41	46.51	13,892	47.13	13,933	47.13
Referee	1,660	30.00	478	30.00	2,138	30.00
Gold Shield in Enhanced Area	55,760	46.38	18,768	43.48	74,528	45.65
Gold Shield in Basic Area	49	66.82	19,312	36.25	19,361	36.32
Gold Shield in COO Area	177	62.43	10,817	48.94	10,994	49.15

**15. Repair Costs**

Repair Type	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
Regular Repairs	\$1-50	19,481	22.75	<b>65,108</b>	<b>205.95</b>
	\$51-150	17,321	99.94		
	\$151-250	10,724	199.52		
	\$251-450	10,809	334.58		
	Over \$450	6,773	808.94		
CAP Repairs	\$1-50	505	26.18	<b>8,918</b>	<b>324.95</b>
	\$51-150	1,124	105.79		
	\$151-250	1,592	202.96		
	\$251-450	3,329	345.69		
	Over \$450	2,368	545.56		
Total Repairs	\$1-50	17,617	23.05	<b>67,742</b>	<b>240.72</b>
	\$51-150	15,132	100.24		
	\$151-250	11,528	199.89		
	\$251-450	13,684	338.84		
	Over \$450	9,781	760.97		

**16. CAP Repair Costs**

	Total Vehicles	Average Repair Cost
CAP Repairs	7,947	324.95

**17. Drill-Through**

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Gold Shield in Enhanced Area	14	2	1	0	0	2	1	0
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	153	30	3	3	10	17	19	5

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Test Only	149	28	5	2	9	15	15	4
Acceleration Simulation Mode (ASM)	Change of Ownership	Referee	0	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	37	6	2	0	1	5	3	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	14	4	1	0	2	1	4	1
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	39	4	0	0	1	2	2	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	105	19	2	0	4	12	11	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	36,221	5,447	634	332	2,295	2,499	3,586	629
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	280	27	2	110	138	146	5
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	183	20	0	0	11	7	13	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	732	754	123	333	157	360	378	407
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	334,266	39,459	5,032	2,097	15,433	18,933	26,306	3,797
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair Dealer	11	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	893,218	157,524	30,579	8,911	36,000	103,792	87,225	17,392
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	32	3	0	0	1	2	2	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	6,020	1,361	261	71	349	855	775	178
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	10	2	0	3	5	5	0
Acceleration Simulation Mode (ASM)	Partial	Referee	27	57	9	39	6	22	21	47
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	42,617	7,669	1,343	438	1,918	4,649	4,347	831
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	21	6	1	0	1	4	3	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	23,558	4,245	815	293	997	2,738	2,263	527

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	7	2	0	0	0	2	0	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	3,661	639	112	50	226	354	392	85
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	225	25	1	53	161	79	2
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	158	75	18	26	21	37	51	43
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	44,132	4,589	630	262	1,944	2,165	3,050	464
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	34,042	4,654	901	338	1,590	2,729	2,862	571
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	13,214	2,650	668	170	581	1,287	1,599	332
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	433	54	17	1	16	28	37	6
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	7,462	1,275	298	99	345	566	835	198
Two Speed Idle (TSI)	Basic	Government Fleet	0	36	8	2	9	15	20	2
Two Speed Idle (TSI)	Basic	Permanent Fleet Registered	2	2	1	0	0	1	0	1
Two Speed Idle (TSI)	Basic	Referee	89	85	15	33	12	32	65	43
Two Speed Idle (TSI)	Basic	Test and Repair	107,619	13,977	2,953	804	3,738	6,050	9,303	1,712
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	9,491	569	77	28	208	182	411	56
Two Speed Idle (TSI)	Basic	Test Only	17,803	2,688	644	165	704	1,274	1,588	351
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	213	46	11	5	12	22	28	8
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	4,716	942	292	79	175	538	520	145
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	348	74	17	5	19	31	56	14
Two Speed Idle (TSI)	Change of Ownership	Permanent Fleet Registered	5	3	1	0	0	2	2	1
Two Speed Idle (TSI)	Change of Ownership	Referee	4	8	2	4	1	4	7	6
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	5,670	744	192	59	196	363	476	100
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	135	3	1	0	2	1	2	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	2,160	356	110	24	75	198	212	51
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	974	99	13	6	54	27	79	8
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	1,029	95	18	5	39	30	68	8
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	6,252	742	191	49	279	329	486	101

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	63	14	0	18	31	32	2
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	140	5	1	0	1	1	2	3
Two Speed Idle (TSI)	Enhanced	Referee	111	53	8	32	15	12	21	34
Two Speed Idle (TSI)	Enhanced	Test and Repair	49,837	3,648	654	190	1,743	1,203	2,636	374
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	1,186	69	5	1	46	13	56	1
Two Speed Idle (TSI)	Enhanced	Test Only	68,386	6,199	1,212	270	2,851	2,380	4,116	544
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	113	17	2	0	6	5	12	2
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	86	8	1	1	5	2	7	1
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	537	81	29	7	25	41	47	14
Two Speed Idle (TSI)	Partial	Test and Repair	4,140	440	114	24	156	197	285	57
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	125	6	1	0	3	3	3	0
Two Speed Idle (TSI)	Partial	Test Only	1,834	167	38	12	48	70	97	25
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	1,174	157	29	11	63	61	111	16
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	2,849	262	69	21	75	137	154	38
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	1,432	160	38	12	62	69	113	22
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	25	8	1	4	19	5	3
Two Speed Idle (TSI)	Unknown Program	Referee	100	25	16	2	3	16	9	5
Two Speed Idle (TSI)	Unknown Program	Test and Repair	16,835	1,415	208	83	681	419	1,111	162
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	1,678	82	4	4	57	9	71	5
Two Speed Idle (TSI)	Unknown Program	Test Only	7,794	541	91	27	299	175	389	53