

**Cal/OSHA Advisory Committee Meeting**

**June 7, 2012**

**Data Tables**

**INSPECTIONS  
BY MAJOR INDUSTRY GROUP AND REASON  
CY 2011 (YTD)**

REASON FOR INSPECTIONS	AGRICULTURE	MINERAL EXTRACTION	CONSTRUCTION	MANUFACTURING	TRANSPORTATION PUBLIC UTILITIES	WHOLESALE TRADE	RETAIL TRADE	FINANCIAL REAL ESTATE	SERVICES	STATE LOCAL GOVT.	TOTALS
<b>INSPECTIONS</b>											
Total	1153	324	1919	1163	555	311	617	112	1538	254	7,946
Accident	259	31	500	425	189	82	111	21	381	86	2,085
Complaint	182	20	391	341	242	108	360	68	679	137	2,528
Referral	363	1	168	15	4	5	2	1	20	2	581
Follow-up	6	3	8	66	13	5	13	0	21	2	137
Unprogrammed Related	31	5	267	42	30	19	9	19	119	16	557
Programmed	312	264	585	274	77	92	122	3	318	11	2,058
<b>VIOLATIONS</b>											
Total	1666	267	3290	3153	957	765	1228	151	2875	229	14,581
Serious	251	20	578	723	123	71	116	17	266	25	2,190
Other than Serious	1415	247	2,712	2,430	834	694	1,112	134	2609	204	12,391
Percent Serious	15.07%	7.49%	17.57%	22.93%	12.85%	9.28%	9.45%	11.26%	9.25%	10.92%	15.02%
Note: Data is reflective of what is currently in IMIS .											
Not a complete year.											
									DOSH Program Office (NL)		
									02/28/12		

## Twenty-Five Most Frequently Cited T8 CCR Standards in CY 2011

Standard	Description	Total Violations	Serious Violations	Percent Serious
3203	Injury and Illness Prevention Program	1796	64	3.6
3395	Heat Illness Prevention	920	68	7.4
1509	Construction Injury Prevention Program	632	10	1.6
5194	Hazard Communication	512	2	0.4
3314	Clean, Repair, Service an Adjust Prime Movers, Machinery and Equipment	477	117	24.5
6151	Portable Fire Extinguishers	462	1	0.2
342	Reporting Work Fatality or Serious Injury	399	1	0.3
461	Permits to Operate Air Tanks	370	0	0
5144	Respiratory Protection Equipment	337	12	3.6
2340.16	Work Space About Electrical Equipment	312	2	0.6
5162	Emergency Eyewash	290	66	22.8
3457	Field Sanitation	203	5	2.5
5193	Bloodborne Pathogens	197	34	17.3
3668	Powered Industrial Truck Operator Training	179	7	3.9
1512	Construction: Emergency Medical Services	171	3	1.8
3278	Use of Fixed Ladders	169	46	27.2
5189	Process Safety Management of Acutely Hazardous Materials	152	12	7.9
4650	Compressed Gas and Air Cylinders	150	13	8.7
3328	Machinery and Equipment	139	30	21.6
3650	Industrial Trucks. General.	139	26	18.7
2340.22	Equipment Identification in Electrical Installations	133	20	15.0
2500.08	Flexible Cords and Cables: Uses Not Permitted	131	2	1.5
3210	Guardrails at Elevated Locations.	121	44	36.4
3241	Live Loads: General Physical Conditions and Structures Orders	121	5	4.1
2340.12	Installation and Maintenance of Electrical Equipment	120	24	20.0

**TEN MOST APPEALED TITLE 8 STANDARDS DURING CY 2011**

<u>Standard</u>	<u>Description</u>	<u>Total Violations</u>	<u>Percent Appealed</u>
§ 342	Reporting Work Fatality or Serious Injury	399	68.2
§ 3999	Prime Movers and Machinery, Conveyors	70	65.7
§ 4184	Points of Operation and Other Hazardous Parts of Machinery, Guarding	65	64.6
§ 5189	Process Safety Management of Acutely Hazardous Materials	152	64.5
§ 1644	Metal Scaffolds	113	60.2
§ 1541	Excavations, General Requirements	61	54.1
§ 4070	Belt and Pulley Drive, Guarding	117	50.4
§ 3210	Guardrails at Elevated Locations	121	50.4
§ 3314	Cleaning, Repairing, Servicing, and Adjusting Prime Movers, Machinery and Equipment	477	50.3
§ 3382	Eye and Face Protection	94	48.9

**DOSH INSPECTIONS AND VIOLATIONS CITED BY QUARTER  
FROM JANUARY 1992 THROUGH SEPTEMBER 2011**

QTR	INVESTIGATIONS			% INSP PROG	TOTAL VIOLATIONS	VIOLATIONS PER INSPECTION	SERIOUS VIOLATIONS	OTHER THAN SERIOUS VIOLATIONS	% SERIOUS
	TOTAL INVEST	ON-SITE INSP	LETTER RESP.						
1992	13,428	12,580	848	15	29,259	2.32	4,079	25,168	14
1993	12,121	10,608	1,513	23	20,328	1.92	4,904	15,423	24
1994	14,354	11,457	2,897	22	21,803	1.90	4,987	16,814	23
1995	13,358	10,076	3,282	20	25,236	2.50	7,047	18,169	28
1996	12,600	9,103	3,497	19	21,821	2.40	5,819	16,002	27
1997	12,972	9,531	3,441	27	22,505	2.36	5,417	17,088	24
1998	12,902	9,322	3,580	20	20,889	2.24	5,292	15,597	24
1999	12,918	9,444	3,474	24	20,280	2.15	4,628	15,652	23
2000	13,002	9,298	3,704	29	20,878	2.24	4,410	16,468	21
2001	12,836	9,194	3,687	28	21,721	2.36	4,922	16,799	23
2002	12,579	9,032	3,547	28	20,038	2.22	5,157	14,881	26
2003	11,313	8,533	2780	25	18,835	2.20	4,849	13,986	26
1 - '04	2,513	1,869	644	26	4,020	2.15	1,091	2,929	27
2 - '04	3,146	2,153	993	21	4,386	2.04	1,125	3,261	26
3 - '04	3,085	1,891	1,194	22	3,846	2.03	1,022	2,824	27
4 - '04	2,256	1,609	647	29	4,263	2.65	1,184	3,079	28
1 - '05	2,953	1,822	1,131	24	3,523	1.93	950	2,573	27
2 - '05	3,485	2,214	1,271	28	4,286	1.94	1,020	3,266	24
3 - '05	3,426	2,268	1,158	28	4,362	1.92	1,026	3,336	24
4 - '05	2,729	1,872	857	27	4,296	2.29	1,048	3,248	24
1 - '06	3,041	2,055	986	29	4,861	2.36	1,075	3,786	22
2 - '06	3,244	2,147	1,097	31	4,881	2.27	1,254	3,627	26
3 - '06	3,704	2,453	1,251	40	4,877	1.99	1,158	3,719	24
4 - '06	2,782	1,928	854	32	5,170	2.68	1,278	3,892	25
1 - '07	3,060	2,125	935	34	5,268	2.48	1,195	4,073	23
2 - '07	3,541	2,533	1,008	33	5,019	1.98	1,118	3,901	22
3 - '07	3,830	2,615	1,215	46	4,720	1.80	1,158	3,562	25
4 - '07	2,920	1,986	934	30	5,215	2.63	1,189	4,026	23
1 - '08	3,846	2,919	927	32	6,061	2.08	1,315	4,746	22
2 - '08	3,678	2,484	1,194	34	5,096	2.05	1,080	4,016	21
3 - '08	3,851	2,606	1,245	36	4,787	1.84	1,026	3,761	21
4 - '08	2,885	2,018	867	32	5,214	2.58	1,049	4,165	20
1 - '09	2,638	1,804	834	36	4,241	2.35	836	3,405	20
2 - '09	3,521	2,504	1,017	42	4,558	1.82	885	3,673	19
3 - '09	3,660	2,543	1,117	48	4,334	1.70	796	3,538	18
4 - '09	2,359	1,599	760	30	4,344	2.72	790	3,554	18
1 - '10	2,721	1,872	849	35	3,975	2.12	798	3,177	20
2 - '10	3,326	2,339	987	42	4,236	1.81	748	3,488	18
3 - '10	3,607	2,486	1,121	44	4,304	1.73	825	3,479	19
4 - '10	2,662	1,766	896	28	4,664	2.64	839	3,825	18
1 - '11	2,608	1,847	761	33	3,202	1.73	332	2,870	10
2 - '11	3,182	2,147	1,035	31	4,010	1.87	620	3,390	15
3 - '11	3,702	2,460	1,242	19	3,678	1.50	619	3,059	17

Final California CFOI Totals, 2005-2010							
	Total	Transportation Incidents	Violence	Contact with objects	Falls	Harmful Exposure	Fires and Explosions
2010	326	98	80	43	66	28	10
2009	409	137	117	47	70	30	6
2008	465	172	96	70	70	47	7
2007	461	163	97	58	78	43	18
2006	537	198	83	76	98	61	13
2005	453	165	87	76	59	51	14

2010 California Fatalities by Industry, Final Totals							
	Total	Contact with Objects and Equipment	Falls	Harmful Exposure	Transportation Incidents	Fires or Explosions	Violent Acts
	326	43	66	28	98	10	80
Agriculture, Forestry & Fishing	38	14	4	5	13	n/a	n/a
Mining	3	n/a	n/a	n/a	n/a	n/a	n/a
Construction	45	6	22	4	9	n/a	n/a
Manufacturing	27	6	4	n/a	8	n/a	4
Wholesale Trade	9	3	n/a	n/a	n/a	n/a	n/a
Retail Trade	28	n/a	n/a	n/a	3	n/a	19
Transportation & Warehousing	43	3	6	n/a	23	n/a	8
Utilities	4	n/a	n/a	n/a	n/a	n/a	n/a
Information	6	n/a	n/a	n/a	3	n/a	n/a
Financial Activities	6	n/a	n/a	n/a	n/a	n/a	n/a
Professional and Business Services	19	n/a	6	4	3	n/a	3
Administrative, Support, Waste Management & Remediation	14	n/a	5	4	n/a	n/a	n/a
Education & Health Services	16	n/a	6	n/a	5	n/a	4
Arts, Education & Recreation	12	n/a	n/a	n/a	7	n/a	n/a
Accommodation & Food Services	7	n/a	3	n/a	n/a	n/a	3
Government	44	n/a	5	n/a	18	n/a	18
N/A = no data reported							

**2012 – 2013 HIGHEST HAZARD INDUSTRY LIST**

<b>Industry Group</b>	<b>NAICS</b>	<b>Industry Activity</b>	<b>DART</b>	<b>Establishments</b>	<b>Employees</b>
<b>Construction</b>	23813	Framing contractors	5.2	790	9,254
	23814	Masonry contractors	5.3	1,318	9,043
	23819	Other foundation, structure, and building exterior contractors	15.9	547	3,299
<b>Manufacturing</b>	3114	Fruit and vegetable preserving and specialty food manufacturing <sup>(1)</sup>	4.7	324	28,103
	3115	Dairy product manufacturing	4.8	227	17,300
	312	Beverage and tobacco product manufacturing <sup>(2)</sup>	4.8	1,390	41,823
	3211	Sawmills and wood preservation	4.5	85	3,831
	3259	Other chemical product and preparation manufacturing	5.7	229	5,979
	3262	Rubber product manufacturing (scope changed in 2009)	4.3	189	5,653
	3273	Cement and concrete product manufacturing <sup>(3)</sup>	5.1	576	12,906
	3312	Steel product manufacturing from purchased steel	4.4	72	2,541
	332323	Ornamental and architectural metal work manufacturing	7.8	259	2,723
	3363	Motor vehicle parts manufacturing	4.3	524	11,983
	3366	Ship and boat building (scope changed in 2009)	4.6	115	7,858
	3372	Office furniture (including fixtures) manufacturing	4.5	433	7,448
	<b>Wholesale Trade</b>	4244	Grocery and related product merchant wholesalers	4.3	4,615
<b>Retail Trade</b>	452	General merchandise stores	4.3	3,783	280,538
<b>Transportation and Warehousing</b>	481	Air transportation	6.5	518	41,326
	492	Couriers and messengers	5.7	1,593	56,316
	493	Warehousing and storage	5.2	1,704	67,259
<b>Waste Management</b>	5622	Waste treatment and disposal	5.9	328	12,482
<b>Health Care</b>	623	Nursing and residential care facilities	5.2	7,754	252,011

Average DART for private sector employers in 2010 was 2.1. High Hazard Industry threshold is >200% or >4.2  
 Exceptions: The following NAICS will not be targeted; DARTs are ≤200% of Private sector average

(1)	311421	Fruit and vegetable canning	4.1	137	11,378
(2)	31213	Wineries	2.9	1,172	25,951
(3)	32732	Ready-mix concrete manufacturing	2.9	360	6,640

**DOSH ON-SITE INSPECTIONS AND VIOLATIONS CITED BY REASON  
FROM JANUARY 2011 THROUGH MARCH 2011**

REASONS FOR INSPECTIONS	TOTAL INSPECTIONS	TOTAL INSPECTIONS WITHOUT VIOLATIONS CITED	TOTAL INSPECTIONS WITH VIOLATIONS CITED	PERCENT OF INSPECTIONS WITH VIOLATIONS CITED	TOTAL VIOLATIONS	SERIOUS VIOLATIONS	OTHER THAN SERIOUS VIOLATIONS	PERCENT SERIOUS
Total	1,847	656	1,191	64.48%	3,202	332	2,870	10.37%
Accident	477	147	330	69.18%	652	114	538	17.48%
Complaint	612	269	343	56.05%	1,117	89	1,028	7.97%
Referral	8	0	8	100.00%	10	2	8	20.00%
Follow-up	34	32	2	5.88%	5	0	5	0.00%
Unprogrammed Related	109	30	79	72.48%	164	24	140	14.63%
Programmed	607	178	429	70.68%	1,254	103	1,151	8.21%



**DOSH ON-SITE INSPECTIONS AND VIOLATIONS CITED BY REASON  
FROM APRIL 2011 THROUGH JUNE 2011**

REASONS FOR INSPECTIONS	TOTAL INSPECTIONS	TOTAL INSPECTIONS WITHOUT VIOLATIONS CITED	TOTAL INSPECTIONS WITH VIOLATIONS CITED	PERCENT OF INSPECTIONS WITH VIOLATIONS CITED	TOTAL VIOLATIONS	SERIOUS VIOLATIONS	OTHER THAN SERIOUS VIOLATIONS	PERCENT SERIOUS
Total	2,147	831	1,316	61.29%	4,010	620	3,390	15.46%
Accident	522	191	331	63.41%	903	219	684	24.25%
Complaint	679	303	376	55.38%	1,147	126	1,021	10.99%
Referral	79	44	35	44.30%	31	8	23	25.81%
Follow-up	33	25	8	24.24%	14	4	10	28.57%
Unprogrammed Related	161	69	92	57.14%	224	44	180	19.64%
Programmed	673	199	474	70.43%	1,691	219	1,472	12.95%

**DOSH ON-SITE INSPECTIONS AND VIOLATIONS CITED BY REASON  
FROM JULY 2011 THROUGH SEPTEMBER 2011**

REASONS FOR INSPECTIONS	TOTAL INSPECTIONS	TOTAL INSPECTIONS WITHOUT VIOLATIONS CITED	TOTAL INSPECTIONS WITH VIOLATIONS CITED	PERCENT OF INSPECTIONS WITH VIOLATIONS CITED	TOTAL VIOLATIONS	SERIOUS VIOLATIONS	OTHER THAN SERIOUS VIOLATIONS	PERCENT SERIOUS
Total	2,460	1,049	1,411	57.36%	3,678	619	3,059	16.83%
Accident	597	223	374	62.65%	898	249	649	27.73%
Complaint	756	337	419	55.42%	1,000	111	889	11.10%
Referral	474	219	255	53.80%	424	37	387	8.73%
Follow-up	17	12	5	29.41%	22	6	16	27.27%
Unprogrammed Related	156	57	99	63.46%	213	51	162	23.94%
Programmed	460	201	259	56.30%	1,121	165	956	14.72%

**DOSH ON-SITE INSPECTIONS AND VIOLATIONS CITED  
FOR MAJOR INDUSTRIAL GROUPS  
FROM JANUARY THROUGH MARCH 2011**

REASON FOR INSPECTIONS	AGRICULTURE	MINERAL EXTRACTION	CONSTRUCTION	MANUFACTURING	TRANSPORTATION PUBLIC UTILITIES	WHOLESALE TRADE	RETAIL TRADE	FINANCIAL REAL ESTATE	SERVICES	STATE LOCAL GOVT.	TOTALS
<b>INSPECTIONS</b>											
Total	150	89	383	294	132	107	208	21	399	64	1,847
Accident	51	4	102	105	43	21	30	2	102	17	477
Complaint	21	1	80	88	69	23	85	15	191	39	612
Referral	0	0	5	2	0	1	0	0	0	0	8
Follow-up	2	2	2	20	3	2	2	0	1	0	34
Unprogrammed Related	7	1	48	9	6	6	1	4	22	5	109
Programmed	69	81	146	70	11	54	90	0	83	3	607
<b>VIOLATIONS</b>											
Total	242	62	559	669	184	248	406	33	744	55	3,202
Serious	30	2	70	103	29	16	30	6	43	3	332
Other than Serious	212	60	489	566	155	232	376	27	701	52	2,870
Percent Serious	12.40%	3.23%	12.52%	15.40%	15.76%	6.45%	7.39%	18.18%	5.78%	5.45%	10.37%

**DOSH ON-SITE INSPECTIONS AND VIOLATIONS CITED  
FOR MAJOR INDUSTRIAL GROUPS  
FROM APRIL THROUGH JUNE 2011**

REASON FOR INSPECTIONS	AGRICULTURE	MINERAL EXTRACTION	CONSTRUCTION	MANUFACTURING	TRANSPORTATION PUBLIC UTILITIES	WHOLESALE TRADE	RETAIL TRADE	FINANCIAL REAL ESTATE	SERVICES	STATE LOCAL GOVT.	TOTALS
<b>INSPECTIONS</b>											
Total	273	87	579	306	119	78	153	27	449	76	2,147
Accident	64	12	136	96	43	20	25	5	93	28	522
Complaint	54	6	113	85	46	31	104	19	182	39	679
Referral	46	0	24	3	2	0	1	0	3	0	79
Follow-up	1	0	4	11	3	2	4	0	6	2	33
Unprogrammed Related	1	2	89	12	9	3	2	3	37	3	161
Programmed	107	67	213	99	16	22	17	0	128	4	673
<b>VIOLATIONS</b>											
Total	365	63	879	890	227	253	326	44	909	54	4,010
Serious	64	5	155	220	26	27	30	7	81	5	620
Other than Serious	301	58	724	670	201	226	296	37	828	49	3,390
Percent Serious	17.53%	7.94%	17.63%	24.72%	11.45%	10.67%	9.20%	15.91%	8.91%	9.26%	15.46%

**DOSH ON-SITE INSPECTIONS AND VIOLATIONS CITED  
FOR MAJOR INDUSTRIAL GROUPS  
FROM JULY THROUGH SEPTEMBER 2011**

REASON FOR INSPECTIONS	AGRICULTURE	MINERAL EXTRACTION	CONSTRUCTION	MANUFACTURING	TRANSPORTATION PUBLIC UTILITIES	WHOLESALE TRADE	RETAIL TRADE	FINANCIAL REAL ESTATE	SERVICES	STATE LOCAL GOVT.	TOTALS
<b>INSPECTIONS</b>											
Total	619	90	617	291	157	69	159	31	363	64	2,460
Accident	79	10	151	122	49	21	33	7	100	25	597
Complaint	82	10	108	110	79	32	112	16	174	33	756
Referral	310	1	128	9	3	3	2	1	15	2	474
Follow-up	1	0	0	5	5	0	1	0	5	0	17
Unprogrammed Related	14	2	69	11	9	8	2	6	34	1	156
Programmed	133	67	161	34	12	5	9	1	35	3	460
<b>VIOLATIONS</b>											
Total	607	81	984	798	224	140	211	29	553	51	3,678
Serious	78	9	212	196	30	14	24	3	47	6	619
Other than Serious	529	72	772	602	194	126	187	26	506	45	3,059
Percent Serious	12.85%	11.11%	21.54%	24.56%	13.39%	10.00%	11.37%	10.34%	8.50%	11.76%	16.83%