

Table VIII-7. Economic Impacts on All Entities Affected by OSHA's Final Standard for Hexavalent Chromium (by Application Group for a PEL of 5 ug/m<sup>3</sup>)

Application Group	NAICS	Category	Cost per Entity <sup>aa</sup>			Impacts on the National Economy				Impacts on Employers				
			National Costs	Employer Costs	Revenue per Entity <sup>cc</sup>	Profit <sup>cc</sup>	Cost/Revenue Impact	Cost/Profit Impact	Cost/Revenue Impact	Cost/Profit Impact				
1	All General Industry <sup>a</sup>	All General Industry	\$11,434	\$11,660	\$13,651,252	\$764,804	0.08%	1.46%	0.09%	1.49%				
	237	Heavy construction (234)	\$16,379	\$16,727	\$12,287,063	\$571,194	0.13%	2.87%	0.14%	2.93%				
	238	Special trade contractors (235)	\$11,519	\$11,751	\$2,706,563	\$105,463	0.43%	10.92%	0.43%	11.14%				
	313	Textile mills	\$14,643	\$14,950	\$6,155,761	\$176,122	0.24%	8.31%	0.24%	8.49%				
	314	Textile product mills	\$10,304	\$10,506	\$5,433,321	\$151,258	0.19%	6.81%	0.19%	6.95%				
	315	Apparel mfg	\$16,379	\$16,727	\$10,989,677	\$563,536	0.15%	2.91%	0.15%	2.97%				
	316	Leather & allied product mfg	\$18,427	\$18,818	\$15,620,859	\$915,694	0.12%	2.01%	0.12%	2.06%				
	321	Wood product mfg	\$11,691	\$11,923	\$5,987,225	\$162,769	0.20%	7.18%	0.20%	7.32%				
	322	Paper mfg	\$23,025	\$23,513	\$40,006,374	\$1,113,192	0.06%	2.07%	0.06%	2.11%				
	323	Printing & related support activities	\$9,703	\$9,889	\$3,184,551	\$120,430	0.30%	8.06%	0.31%	8.21%				
	324	Petroleum & coal products mfg	\$15,852	\$16,174	\$257,242,485	\$10,929,407	0.01%	0.15%	0.01%	0.15%				
	325	Chemical mfg	\$16,185	\$16,517	\$55,959,548	\$5,015,932	0.03%	0.32%	0.03%	0.33%				
	326	Plastics & rubber products mfg	\$17,950	\$18,326	\$11,183,005	\$372,419	0.16%	4.82%	0.16%	4.92%				
	327	Nonmetallic mineral product mfg	\$16,379	\$16,727	\$6,924,808	\$247,877	0.24%	6.61%	0.24%	6.75%				
	331 <sup>c</sup>	Primary metal mfg	\$15,448	\$15,767	\$25,325,125	\$608,526	0.06%	2.54%	0.06%	2.59%				
	332813	Electroplating, Plating, Polishing, Anodizing, and Coloring	\$10,637	\$10,844	\$673,298	\$35,972	1.22%	29.57%	1.24%	30.15%				
	Other 332 <sup>d</sup>	Fabricated Metal Product Manufacturing	\$11,011	\$11,228	\$4,752,128	\$227,923	0.23%	4.83%	0.24%	4.93%				
	333 <sup>E</sup>	Machinery Manufacturing	\$12,133	\$12,376	\$11,810,404	\$387,110	0.10%	3.13%	0.10%	3.20%				
	334	Computer & electronic product mfg	\$13,909	\$14,194	\$38,694,208	\$1,695,199	0.04%	0.82%	0.04%	0.84%				
	335	Electrical equipment, appliance, & component mfg	\$16,101	\$16,436	\$48,639,174	\$1,763,096	0.03%	0.91%	0.03%	0.93%				
	336 (except 33661) <sup>f</sup>	Transportation Equipment Manufacturing	\$18,315	\$18,700	\$108,816,386	\$2,728,488	0.02%	0.67%	0.02%	0.69%				
	339	Miscellaneous Manufacturing	\$6,541	\$6,700	\$6,545,082	\$246,281	0.13%	3.47%	0.13%	3.53%				
	423	Wholesale trade, durable goods (421)	\$21,142	\$21,428	\$7,789,912	\$194,538	0.27%	10.87%	0.28%	11.01%				
	441	Motor vehicle & parts dealers	\$4,228	\$4,286	\$1,826,119	\$26,333	0.23%	16.06%	0.23%	16.27%				
	442	Furniture & home furnishings stores	\$4,228	\$4,286	\$647,301	\$24,357	0.65%	17.36%	0.66%	17.59%				
	443	Electronics & appliance stores	\$4,228	\$4,286	\$857,482	\$29,158	0.49%	14.50%	0.50%	14.70%				
	444	Building material & garden equipment & supplies dealers	\$4,228	\$4,286	\$773,774	\$38,341	0.55%	11.03%	0.55%	11.18%				
	446	Health & personal care stores	\$4,228	\$4,286	\$973,952	\$24,550	0.43%	17.22%	0.44%	17.46%				
	453	Miscellaneous store retailers	\$4,228	\$4,286	\$600,302	\$18,855	0.70%	22.43%	0.71%	22.73%				
	454	Nonstore retailers	\$4,228	\$4,286	\$706,333	\$26,766	0.60%	15.60%	0.61%	16.01%				
	511	Publishing industries	\$21,179	\$21,623	\$14,166,015	\$1,503,303	0.15%	1.41%	0.15%	1.44%				
	512	Motion picture & sound recording industries	\$11,592	\$11,820	\$5,799,209	\$281,365	0.20%	4.12%	0.20%	4.20%				
	519	Information services & data processing services (514)	\$4,228	\$4,286	\$137,552	\$12,240	3.07%	34.55%	3.12%	35.01%				
	522	Credit intermediation & related activities	\$8,785	\$8,951	\$2,812,075	\$305,304	0.34%	2.88%	0.34%	2.93%				
	532	Rental & leasing services	\$10,304	\$10,506	\$1,224,506	\$30,725	0.84%	33.54%	0.86%	34.20%				
	541	Professional, scientific, & technical services	\$6,260	\$6,364	\$751,690	\$47,079	0.83%	13.30%	0.85%	13.52%				
	561	Administrative & support services	\$8,760	\$8,922	\$853,198	\$32,326	1.03%	27.10%	1.05%	27.60%				

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Application Group	NAICS	Category	Cost per Entity <sup>8a</sup>				Impacts on the National Economy			Impacts on Employers		
			National Costs	Employer Costs	Revenue per Entity <sup>cc</sup>	Profit per Entity <sup>cc</sup>	Cost/Revenue Impact	Cost/Profit Impact	Cost/Revenue Impact	Cost/Profit Impact		
	562	Waste management & remediation services	\$13,342	\$13,617	\$3,941,918	\$167,638	0.34%	7.96%	0.35%	8.12%		
	711	Performing arts, spectator sports, & related industries	\$4,228	\$4,286	\$92,863	\$7,802	5.10%	54.19%	5.17%	54.93%		
	812	Personal & laundry services	\$6,254	\$6,359	\$246,655	\$12,738	2.54%	49.10%	2.58%	49.92%		
2A	All General Industry <sup>h</sup>	All General Industry	\$3,559	\$3,559	\$6,504,281	\$336,088	0.05%	1.06%	0.05%	1.06%		
	113	Forestry and Logging	\$2,165	\$2,165	\$1,559,464	\$37,179	0.14%	5.82%	0.14%	5.82%		
	221	Utilities	\$3,206	\$3,206	\$21,336,268	\$833,617	0.02%	0.38%	0.02%	0.38%		
	311 <sup>c</sup>	Food Manufacturing	\$4,289	\$4,289	\$25,109,789	\$1,014,522	0.02%	0.42%	0.02%	0.42%		
	312	Beverage and Tobacco Product Manufacturing	\$3,969	\$3,969	\$115,034,052	\$12,139,154	0.00%	0.03%	0.00%	0.03%		
	313	Textile mills	\$5,377	\$5,377	\$10,278,254	\$294,071	0.05%	1.83%	0.05%	1.83%		
	314	Textile product mills	\$2,695	\$2,695	\$5,720,245	\$159,246	0.05%	1.69%	0.05%	1.69%		
	315	Apparel mfg	\$5,396	\$5,396	\$16,452,407	\$843,658	0.03%	0.64%	0.03%	0.64%		
	316	Leather & allied product mfg	\$5,570	\$5,570	\$22,061,123	\$1,293,222	0.03%	0.43%	0.03%	0.43%		
	321	Wood product mfg	\$2,277	\$2,277	\$4,152,006	\$112,891	0.05%	2.02%	0.05%	2.02%		
	322	Paper mfg	\$5,645	\$5,645	\$42,164,737	\$1,173,250	0.01%	0.48%	0.01%	0.48%		
	323	Printing & related support activities	\$4,898	\$4,898	\$6,397,177	\$317,555	0.06%	1.54%	0.06%	1.54%		
	324	Petroleum & coal products mfg	\$3,215	\$3,215	\$205,112,689	\$9,714,579	0.00%	0.04%	0.00%	0.04%		
	325	Chemical mfg	\$6,615	\$6,615	\$107,720,474	\$9,655,521	0.01%	0.07%	0.01%	0.07%		
	326	Plastics & rubber products mfg	\$6,362	\$6,362	\$18,172,602	\$605,188	0.04%	1.05%	0.04%	1.05%		
	327	Nonmetallic mineral product mfg	\$8,166	\$8,166	\$15,139,328	\$541,920	0.05%	1.51%	0.05%	1.51%		
	332	Fabricated Metal Product Manufacturing	\$3,665	\$3,665	\$7,316,561	\$350,919	0.05%	1.04%	0.05%	1.04%		
	333	Machinery Manufacturing	\$3,318	\$3,318	\$13,854,999	\$454,126	0.02%	0.73%	0.02%	0.73%		
	334	Computer & electronic product mfg	\$3,868	\$3,868	\$47,206,416	\$2,088,120	0.01%	0.19%	0.01%	0.19%		
	335	Electrical equipment, appliance, & component mfg	\$5,969	\$5,969	\$65,083,005	\$3,084,129	0.01%	0.19%	0.01%	0.19%		
	336 (except 33661)	Transportation Equipment Manufacturing	\$5,810	\$5,810	\$152,338,437	\$3,819,770	0.00%	0.15%	0.00%	0.15%		
	337	Furniture & Related Product Manufacturing	\$2,941	\$2,941	\$4,601,650	\$190,106	0.06%	1.55%	0.06%	1.55%		
	339	Miscellaneous Manufacturing	\$3,859	\$3,859	\$15,944,258	\$1,120,807	0.02%	0.34%	0.02%	0.34%		
	423	Wholesale trade, durable goods (421)	\$1,722	\$1,722	\$2,339,292	\$98,419	0.07%	2.95%	0.07%	2.95%		
	424	Merchant Wholesalers, nondurable goods (422)	\$7,969	\$7,969	\$33,118,390	\$786,510	0.02%	1.01%	0.02%	1.01%		
	441	Motor vehicle & parts dealers	\$3,659	\$3,659	\$6,044,423	\$116,002	0.05%	3.15%	0.05%	3.15%		
	442	Furniture & home furnishings stores	\$2,573	\$2,573	\$1,319,697	\$49,658	0.19%	5.18%	0.19%	5.18%		
	443	Electronics & appliance stores	\$2,638	\$2,638	\$1,889,646	\$64,255	0.14%	4.10%	0.14%	4.10%		
	444	Building material & garden equipment & supplies dealers	\$3,162	\$3,162	\$2,363,132	\$117,095	0.13%	2.70%	0.13%	2.70%		
	445	Food and Beverage Stores	\$2,006	\$2,006	\$2,192,431	\$40,880	0.09%	4.91%	0.09%	4.91%		
	446	Health & personal care stores	\$3,912	\$3,912	\$2,916,212	\$73,507	0.13%	5.32%	0.13%	5.32%		
	447	Gasoline Stations	\$2,394	\$2,394	\$1,103,373	\$8,111	0.22%	29.52%	0.22%	29.52%		

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Application Group	NAICS	Category	Cost per Entity <sup>8B</sup>			Impacts on the National Economy			Impacts on Employers			
			National Costs	Employer Costs	Revenue per Entity <sup>8C</sup>	Profit per Entity <sup>8C</sup>	Cost/Revenue Impact	Cost/Profit Impact	Cost/Revenue Impact	Cost/Profit Impact	Cost/Revenue Impact	
	448	Clothing and Clothing Accessory Stores	\$1,853	\$1,853	\$552,811	\$23,905	0.34%	7.75%	0.34%	7.75%	0.34%	7.75%
	451	Sporting Good, Hobby, Book and Music Stores	\$2,275	\$2,275	\$946,299	\$24,800	0.24%	9.17%	0.24%	9.17%	0.24%	9.17%
	452	General Merchandise Stores	\$12,104	\$12,104	\$36,667,851	\$1,168,447	0.03%	1.04%	0.03%	1.04%	0.03%	1.04%
	453	Miscellaneous store retailers	\$2,511	\$2,511	\$1,191,862	\$37,435	0.21%	6.71%	0.21%	6.71%	0.21%	6.71%
	454	Nonstore retailers	\$3,000	\$3,000	\$3,119,956	\$118,230	0.10%	2.54%	0.10%	2.54%	0.10%	2.54%
	481	Air Transportation	\$5,136	\$5,136	\$33,643,799	\$247,511	0.02%	2.08%	0.02%	2.08%	0.02%	2.08%
	483	Water Transportation	\$15,408	\$15,408	\$68,445,873	\$2,599,985	0.02%	0.59%	0.02%	0.59%	0.02%	0.59%
	484	Truck Transportation	\$5,820	\$5,820	\$5,255,490	\$126,783	0.09%	4.59%	0.09%	4.59%	0.09%	4.59%
	485	Transit and Ground Passenger Transportation	\$1,914	\$1,914	\$1,519,168	\$34,017	0.13%	5.63%	0.13%	5.63%	0.13%	5.63%
	486	Pipeline Transportation	\$3,289	\$3,289	\$870,009	\$174,613	0.38%	1.88%	0.38%	1.88%	0.38%	1.88%
	487	Scenic and Sightseeing Transportation	\$3,784	\$3,784	\$3,143,793	\$133,120	0.12%	2.84%	0.12%	2.84%	0.12%	2.84%
	488	Support Activities for Transportation	\$7,199	\$7,199	\$7,361,217	\$311,702	0.10%	2.31%	0.10%	2.31%	0.10%	2.31%
	492	Couriers and Messengers	\$11,337	\$11,337	\$22,920,912	\$970,560	0.05%	1.17%	0.05%	1.17%	0.05%	1.17%
	493	Warehousing and Storage	\$7,267	\$7,267	\$5,473,617	\$228,666	0.13%	3.18%	0.13%	3.18%	0.13%	3.18%
	511	Publishing industries	\$4,503	\$4,503	\$12,146,612	\$1,289,003	0.04%	0.35%	0.04%	0.35%	0.04%	0.35%
	512	Motion picture & sound recording industries	\$4,087	\$4,087	\$8,970,624	\$435,234	0.05%	0.94%	0.05%	0.94%	0.05%	0.94%
	519	Information services & data processing services (514)	\$4,564	\$4,564	\$1,381,550	\$122,937	0.33%	3.71%	0.33%	3.71%	0.33%	3.71%
	522	Credit intermediation & related activities	\$11,142	\$11,142	\$13,802,641	\$1,613,277	0.08%	0.69%	0.08%	0.69%	0.08%	0.69%
	531	Real Estate	\$2,984	\$2,984	\$908,528	\$107,459	0.33%	2.78%	0.33%	2.78%	0.33%	2.78%
	532	Rental & leasing services	\$5,832	\$5,832	\$2,758,990	\$69,227	0.21%	8.43%	0.21%	8.43%	0.21%	8.43%
	541	Professional, scientific, & technical services	\$4,003	\$4,003	\$2,895,760	\$181,364	0.14%	2.21%	0.14%	2.21%	0.14%	2.21%
	561	Administrative & support services	\$2,583	\$2,583	\$1,043,558	\$39,538	0.25%	6.53%	0.25%	6.53%	0.25%	6.53%
	562	Waste management & remediation services	\$3,176	\$3,176	\$3,561,551	\$151,463	0.09%	2.10%	0.09%	2.10%	0.09%	2.10%
	611	Educational Services	\$3,707	\$3,707	\$605,445	\$43,766	0.61%	8.47%	0.61%	8.47%	0.61%	8.47%
	621	Ambulatory Health Care Services	\$7,570	\$7,570	\$1,824,605	\$93,327	0.41%	8.11%	0.41%	8.11%	0.41%	8.11%
	622	Hospitals	\$5,188	\$5,188	\$10,624,362	\$549,510	0.05%	0.94%	0.05%	0.94%	0.05%	0.94%
	623	Nursing and Residential Care Facilities	\$5,764	\$5,764	\$370,660	\$19,171	1.56%	30.07%	1.56%	30.07%	1.56%	30.07%
	624	Social Assistance	\$6,459	\$6,459	\$565,406	\$28,920	1.14%	22.34%	1.14%	22.34%	1.14%	22.34%
	711	Performing arts, spectator sports, & related industries	\$3,268	\$3,268	\$3,913,940	\$265,155	0.08%	1.23%	0.08%	1.23%	0.08%	1.23%
	713	Amusement, Gambling, and Recreational Industries	\$2,719	\$2,719	\$913,129	\$46,251	0.30%	5.88%	0.30%	5.88%	0.30%	5.88%
	722	Food Services and Drinking Places	\$4,512	\$4,512	\$922,426	\$37,814	0.49%	11.93%	0.49%	11.93%	0.49%	11.93%
	811	Repair and Maintenance	\$3,261	\$3,261	\$614,167	\$31,096	0.40%	10.49%	0.40%	10.49%	0.40%	10.49%
	812	Personal & laundry services	\$3,399	\$3,399	\$505,655	\$26,113	0.67%	13.02%	0.67%	13.02%	0.67%	13.02%
	813	Religious, Grantmaking, Civil, Professional, and Similar Organizations	\$2,101	\$2,101	\$53,703	\$1,329	3.91%	158.08%	3.91%	158.08%	3.91%	158.08%
2B	336611 <sup>1</sup>	Welding - Maritime Industry (stainless steel)	\$66,797	\$66,797	\$27,134,242	\$1,583,890	0.25%	4.22%	0.25%	4.22%	0.25%	4.22%

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Application Group	NAICS	Category	National Costs	Employer Costs	Revenue per Entity <sup>cc</sup>	Profit per Entity <sup>cc</sup>	Impacts on the National Economy			Impacts on Employers		
							Cost per Entity <sup>bb</sup>	Cost/Revenue Impact	Cost/Profit Impact	Cost/Revenue Impact	Cost/Profit Impact	Cost/Profit Impact
2C	233 <sup>s</sup> , 234 <sup>t</sup> , 235 <sup>u</sup>	Building, Developing, and General Contracting; Heavy Construction; Special Trade Contractors	\$16,320	\$16,320	\$1,770,330	\$73,079	0.92%	22.33%	0.92%	22.33%	0.92%	22.33%
2D	999200	Slate	\$2,540	\$2,540	\$12,956,105,000	N/A	0.00%	N/A	0.00%	N/A	0.00%	N/A
2A1	999300 All General Industry <sup>a</sup>	Local	\$1,121	\$1,121	\$109,399,080	N/A	0.00%	N/A	0.00%	N/A	0.00%	N/A
	113	Forestry and Logging	\$551	\$551	\$1,627,078	\$38,791	0.03%	1.42%	0.03%	1.42%	0.03%	1.42%
	221	Utilities	\$779	\$779	\$21,415,156	\$836,700	0.00%	0.09%	0.00%	0.09%	0.00%	0.09%
	311	Food Manufacturing	\$951	\$951	\$24,833,974	\$1,003,378	0.00%	0.09%	0.00%	0.09%	0.00%	0.09%
	312	Beverage and Tobacco Product Manufacturing	\$1,055	\$1,055	\$140,025,200	\$14,776,386	0.00%	0.01%	0.00%	0.01%	0.00%	0.01%
	313	Textile mills	\$1,177	\$1,177	\$10,425,004	\$298,298	0.01%	0.39%	0.01%	0.39%	0.01%	0.39%
	314	Textile product mills	\$642	\$642	\$5,704,601	\$158,810	0.01%	0.40%	0.01%	0.40%	0.01%	0.40%
	315	Apparel mfg	\$1,136	\$1,136	\$16,385,476	\$840,226	0.01%	0.14%	0.01%	0.14%	0.01%	0.14%
	316	Leather & allied product mfg	\$1,181	\$1,181	\$22,378,252	\$1,311,813	0.01%	0.09%	0.01%	0.09%	0.01%	0.09%
	321	Wood product mfg	\$571	\$571	\$4,177,998	\$113,597	0.01%	0.50%	0.01%	0.50%	0.01%	0.50%
	322	Paper mfg	\$1,233	\$1,233	\$42,205,291	\$1,174,378	0.00%	0.10%	0.00%	0.10%	0.00%	0.10%
	323	Printing & related support activities	\$1,049	\$1,049	\$8,323,192	\$314,757	0.01%	0.33%	0.01%	0.33%	0.01%	0.33%
	324	Petroleum & coal products mfg	\$822	\$822	\$221,931,930	\$9,429,175	0.00%	0.01%	0.00%	0.01%	0.00%	0.01%
	325	Chemical mfg	\$1,446	\$1,446	\$109,075,559	\$9,776,984	0.00%	0.01%	0.00%	0.01%	0.00%	0.01%
	326	Plastics & rubber products mfg	\$1,363	\$1,363	\$18,264,715	\$608,256	0.01%	0.22%	0.01%	0.22%	0.01%	0.22%
	327	Nonmetallic mineral product mfg	\$1,773	\$1,773	\$15,356,956	\$549,710	0.01%	0.32%	0.01%	0.32%	0.01%	0.32%
	332	Fabricated Metal Product Manufacturing	\$827	\$827	\$7,316,102	\$350,897	0.01%	0.24%	0.01%	0.24%	0.01%	0.24%
	333	Machinery Manufacturing	\$762	\$762	\$13,857,522	\$454,209	0.01%	0.17%	0.01%	0.17%	0.01%	0.17%
	334	Computer & electronic product mfg	\$866	\$866	\$47,158,477	\$2,066,020	0.00%	0.04%	0.00%	0.04%	0.00%	0.04%
	335	Electrical equipment, appliance, & component mfg	\$1,277	\$1,277	\$85,264,448	\$3,090,706	0.00%	0.04%	0.00%	0.04%	0.00%	0.04%
	336 (except 33661)	Transportation Equipment Manufacturing	\$1,249	\$1,249	\$152,498,975	\$3,823,796	0.00%	0.03%	0.00%	0.03%	0.00%	0.03%
	337	Furniture & Related Product Manufacturing	\$689	\$689	\$4,599,952	\$190,036	0.01%	0.36%	0.01%	0.36%	0.01%	0.36%
	339	Miscellaneous Manufacturing	\$862	\$862	\$15,941,779	\$1,120,633	0.01%	0.08%	0.01%	0.08%	0.01%	0.08%
	423	Wholesale trade, durable goods (421)	\$470	\$470	\$2,339,904	\$58,435	0.02%	0.80%	0.02%	0.80%	0.02%	0.80%
	424	Merchant Wholesalers, nondurable goods (422)	\$1,833	\$1,833	\$35,834,098	\$851,003	0.01%	0.22%	0.01%	0.22%	0.01%	0.22%
	441	Motor vehicle & parts dealers	\$855	\$855	\$8,044,789	\$116,008	0.01%	0.74%	0.01%	0.74%	0.01%	0.74%
	442	Furniture & home furnishings stores	\$646	\$646	\$1,319,077	\$49,695	0.05%	1.30%	0.05%	1.30%	0.05%	1.30%
	443	Electronics & appliance stores	\$656	\$656	\$1,870,806	\$63,615	0.04%	1.03%	0.04%	1.03%	0.04%	1.03%
	444	Building material & garden equipment & supplies dealers	\$768	\$768	\$2,379,669	\$117,914	0.03%	0.65%	0.03%	0.65%	0.03%	0.65%
	445	Food and Beverage Stores	\$567	\$567	\$2,446,342	\$45,615	0.02%	1.24%	0.02%	1.24%	0.02%	1.24%
	446	Health & personal care stores	\$935	\$935	\$2,937,732	\$74,049	0.03%	1.26%	0.03%	1.26%	0.03%	1.26%
	447	Gasoline Stations	\$636	\$636	\$1,175,195	\$8,639	0.05%	7.37%	0.05%	7.37%	0.05%	7.37%
	448	Clothing and Clothing Accessory Stores	\$502	\$502	\$576,779	\$24,941	0.09%	2.01%	0.09%	2.01%	0.09%	2.01%

Table VIII-7. Economic Impacts on All Entities Affected by OSHA's Final Standard for Hexavalent Chromium (by Application Group for a PEL of 5 ug/m<sup>3</sup>)

Application Group	NAICS	Category	Cost per Entity <sup>8b</sup>			Impacts on the National Economy			Impacts on Employers			
			National Costs	Employer Costs	Revenue per Entity <sup>cc</sup>	Profit per Entity <sup>cc</sup>	Cost/Revenue Impact	Cost/Profit Impact	Cost/Revenue Impact	Cost/Profit Impact		
	451	Sporting Good, Hobby, Book and Music Stores	\$575	\$575	\$942,449	\$24,699	0.06%	2.33%	0.06%	2.33%	0.06%	2.33%
	452	General Merchandise Stores	\$3,149	\$3,149	\$44,633,942	\$1,422,292	0.01%	0.22%	0.01%	0.22%	0.01%	0.22%
	453	Miscellaneous store retailers	\$635	\$635	\$1,192,175	\$37,445	0.05%	1.69%	0.05%	1.69%	0.05%	1.69%
	454	Nonstore retailers	\$726	\$726	\$3,119,594	\$118,216	0.02%	0.61%	0.02%	0.61%	0.02%	0.61%
	481	Air Transportation	\$1,307	\$1,307	\$40,952,914	\$301,282	0.00%	0.43%	0.00%	0.43%	0.00%	0.43%
	483	Water Transportation	\$1,961	\$1,961	\$41,657,870	\$1,582,416	0.00%	0.12%	0.00%	0.12%	0.00%	0.12%
	484	Truck Transportation	\$1,252	\$1,252	\$6,128,740	\$124,214	0.02%	1.01%	0.02%	1.01%	0.02%	1.01%
	485	Transit and Ground Passenger Transportation	\$325	\$325	\$1,232,805	\$27,605	0.03%	1.18%	0.03%	1.18%	0.03%	1.18%
	486	Pipeline Transportation	\$760	\$760	\$666,469	\$173,903	0.09%	0.44%	0.09%	0.44%	0.09%	0.44%
	487	Scenic and Sightseeing Transportation	\$990	\$990	\$3,826,782	\$162,041	0.03%	0.61%	0.03%	0.61%	0.03%	0.61%
	488	Support Activities for Transportation	\$1,575	\$1,575	\$7,373,696	\$312,231	0.02%	0.50%	0.02%	0.50%	0.02%	0.50%
	492	Couriers and Messengers	\$2,940	\$2,940	\$27,900,480	\$1,181,414	0.01%	0.25%	0.01%	0.25%	0.01%	0.25%
	493	Warehousing and Storage	\$1,421	\$1,421	\$4,987,070	\$208,758	0.03%	0.68%	0.03%	0.68%	0.03%	0.68%
	511	Publishing industries	\$1,025	\$1,025	\$12,176,264	\$1,292,150	0.01%	0.08%	0.01%	0.08%	0.01%	0.08%
	512	Motion picture & sound recording industries	\$943	\$943	\$8,969,582	\$435,184	0.01%	0.22%	0.01%	0.22%	0.01%	0.22%
	519	Information services & data processing services (514)	\$1,054	\$1,054	\$1,401,409	\$124,704	0.08%	0.85%	0.08%	0.85%	0.08%	0.85%
	522	Credit intermediation & related activities	\$2,515	\$2,515	\$14,330,490	\$1,674,973	0.02%	0.15%	0.02%	0.15%	0.02%	0.15%
	531	Real Estate	\$721	\$721	\$901,109	\$106,582	0.08%	0.68%	0.08%	0.68%	0.08%	0.68%
	532	Rental & leasing services	\$1,320	\$1,320	\$2,752,007	\$69,052	0.05%	1.91%	0.05%	1.91%	0.05%	1.91%
	541	Professional, scientific, & technical services	\$923	\$923	\$2,900,380	\$181,653	0.03%	0.51%	0.03%	0.51%	0.03%	0.51%
	561	Administrative & support services	\$639	\$639	\$1,043,437	\$39,534	0.06%	1.62%	0.06%	1.62%	0.06%	1.62%
	562	Waste management & remediation services	\$760	\$760	\$3,562,338	\$151,496	0.02%	0.50%	0.02%	0.50%	0.02%	0.50%
	611	Educational Services	\$851	\$851	\$614,148	\$44,395	0.14%	1.92%	0.14%	1.92%	0.14%	1.92%
	621	Ambulatory Health Care Services	\$1,647	\$1,647	\$1,838,069	\$94,016	0.09%	1.75%	0.09%	1.75%	0.09%	1.75%
	622	Hospitals	\$1,326	\$1,326	\$12,932,505	\$668,891	0.01%	0.20%	0.01%	0.20%	0.01%	0.20%
	623	Nursing and Residential Care Facilities	\$1,536	\$1,536	\$451,186	\$23,336	0.34%	6.68%	0.34%	6.68%	0.34%	6.68%
	624	Social Assistance	\$1,788	\$1,788	\$686,240	\$35,203	0.26%	5.08%	0.26%	5.08%	0.26%	5.08%
	711	Performing arts, spectator sports, & related industries	\$776	\$776	\$4,049,606	\$274,346	0.02%	0.28%	0.02%	0.28%	0.02%	0.28%
	713	Amusement, Gambling, and Recreational Industries	\$658	\$658	\$919,130	\$46,555	0.07%	1.41%	0.07%	1.41%	0.07%	1.41%
	722	Food Services and Drinking Places	\$1,033	\$1,033	\$935,686	\$36,358	0.11%	2.69%	0.11%	2.69%	0.11%	2.69%
	811	Repair and Maintenance	\$777	\$777	\$814,577	\$31,111	0.10%	2.50%	0.10%	2.50%	0.10%	2.50%
	812	Personal & laundry services	\$818	\$818	\$508,978	\$26,284	0.16%	3.11%	0.16%	3.11%	0.16%	3.11%
	813	Religious, Grantmaking, Civil, Professional, and Similar Organizations	\$527	\$527	\$52,799	\$1,307	1.00%	40.34%	1.00%	40.34%	1.00%	40.34%
2B1 Welding - Maritime Industry (carbon steel)	336611 <sup>l</sup>	Ship Building and Repairing	\$1,479	\$1,479	\$58,561,584	\$3,418,379	0.00%	0.04%	0.00%	0.04%	0.00%	0.04%
2C1 Welding - Construction Industry (carbon steel)	233 <sup>s</sup> 2341, 235 <sup>u</sup>	Building, Developing, and General Contracting; Heavy Construction; Special Trade Contractors	\$5,827	\$5,827	\$2,806,248	\$107,586	0.22%	5.42%	0.22%	5.42%	0.22%	5.42%









## Footnotes to Table VIII-7

<sup>A</sup> SBA size standards taken from 13 CFR Ch.1 § 121.201. January 1, 2003

<sup>B</sup> Includes industries in NAICS 31-33, NAICS 42, NAICS 51.

<sup>C</sup> Except 311221 "Wet Corn Milling", 311312 "Cane Sugar Refining", 311313 "Beet Sugar Manufacturing", and 311821 Cookie and Cracker Manufacturing, which have an SBA size standard of 750 employees, and also 311223 "Other Oilseed Processing", 311225 "Fats and Oils Refining and Blending", 311230 "Breakfast Cereal Manufacturing", 311422 "Special Canning", which have an SBA size standard of 1,000 employees.

<sup>D</sup> Except 332811 "Metal Heat Treating," 332991 "Ball and Roller Bearing Manufacturing," and 332998 "Enameled Iron and Metal Sanitary Ware Manufacturing," all of which have an SBA size standard of 750 employees; 332431 "Metal Can Manufacturing," 332992 "Small Arms Ammunition Manufacturing," and 332994 "Small Arms Manufacturing," all of which have an SBA size standard of 1,000 employees; and 332993 "Ammunition (except Small Arms) Manufacturing," the SBA size standard for which is 1,500 employees.

<sup>E</sup> Except 333120 "Construction Machinery Manufacturing," 333415 "Air-Conditioning and Warm Air Heating Equipment," and 333924 Industrial Truck, Tractor, Trailer," all of which have an SBA size standard of 750 employees; and except 333313 Office Machinery Manufacturing," 333611 "Turbine and Turbine Generator Set Unit Manufacturing," and 333618 "Other Engine Equipment Manufacturing," all of which have an SBA size standard of 1,000 employees.

<sup>F</sup> Except for 336212 "Truck Trailer Manufacturing," 336214 "Travel Trailer and Camper Manufacturing," 336311 "Carburetor, Piston, Piston Ring and Valve Manufacturing," 336321 "Vehicular Lighting Equipment Manufacturing," 336360 "Motor Vehicle Seating and Interior Trim Manufacturing," 336370 "Motor Vehicle Metal Stamping," 336991 Motorcycle, Bicycle and Parts Manufacturing," and 336999 "All Other Transportation Equipment Manufacturing," all of which have an SBA size standard of 500 employees; 336312 "Gasoline Engine and Engine Parts Manufacturing," 336322 "Other Motor Vehicle Electrical and Electronic Equipment Manufacturing," 336330 "Motor Vehicle Steering and Suspension Components Manufacturing (except Spring)," 336340 "Motor Vehicle Brake System Manufacturing," 336350 "Motor Vehicle Transmission and Power Train Parts Manufacturing," 336391 Motor Vehicle Air-Conditioning Manufacturing," 336399 "All Other Motor Vehicle Parts Manufacturing, all of which have an SBA size standard of 750 employees; and 336411 "Aircraft Manufacturing," which has an SBA size standard of 1,500 employees.

<sup>G</sup> Includes industries in NAICS 332, NAICS 336, NAICS 441, and NAICS 811.

<sup>H</sup> Includes industries in NAICS 11, NAICS 22, NAICS 31-33, NAICS 42, NAICS 44-45, NAICS 48-49, NAICS 51, NAICS 52, NAICS 53, NAICS 54, NAICS 56, NAICS 61, NAICS 62, NAICS 71, NAICS 72, and NAICS 81.

<sup>I</sup> Except 336612 "Boat Building," which has an SBA size standard of 500 employees.

<sup>J</sup> Except 2331 "Land Subdivision and Land Development," which has an SBA size standard of \$6.0 million.

<sup>K</sup> Except 336411 "Aircraft Manufacturing"

<sup>L</sup> Except 336612 "Boat Building," which has an SBA size standard of 500 employees.

<sup>M</sup> All of NAICS CODE 3261 have an SBA size standard of 500 employees except 326192 "Resilient Floor Covering Mfg.," the size standard for which is 750 employees.

<sup>N</sup> All of NAICS CODE 313 have an SBA size standard of 500 employees except 313210 "Broad Woven Fabric Mills", 313320 "Broad Woven Finishing Mills", and 313320 "Fabric Coating Mills" all of which have a size standard of 1,000 employees.

<sup>O</sup> All of NAICS CODE 314 have an SBA size standard of 500 employees except 314992 "Tire Cord and Tire Fabric Mill", the size standard for which is 1,000 employees.

<sup>P</sup> All of NAICS CODE 3161 have an SBA size standard of 500 employees except 316211 "Rubber and Plastics Footwear Mfg.," the size standard for which is 1,000 employees.

<sup>Q</sup> Except 336612 "Boat Building," which has an SBA size standard of 500 employees.

<sup>R</sup> Except 23551 which has an SBA size standard of \$12 million.

<sup>S</sup> 1997 NAICS Code is 233, Building, Developing, and General Contracting. 2002 NAICS Code is 236, Construction of Buildings.

<sup>T</sup> 1997 NAICS Code is 234, Heavy Construction. 2002 NAICS Code is 236, Heavy and Civil Engineering Construction.

<sup>U</sup> 1997 NAICS Code is 235, Special Trades Contractors. 2002 NAICS Code is 236, Special Trades Contractors.

<sup>V</sup> 1997 NAICS Code is 42269, Other Chemical and Allied Products. 2002 NAICS Code is 424690, Other Chemical and Allied Products Merchant Wholesalers.

<sup>W</sup> 1997 NAICS Code is 2332, Residential Building Construction. 2002 NAICS Code is 23611, Residential Building Construction.

<sup>X</sup> 1997 NAICS Code is 2333, Nonresidential Building Construction. 2002 NAICS Code is 2362, Nonresidential Building Construction.

<sup>Y</sup> 1997 NAICS Code is 2349, Other Heavy Construction. 2002 NAICS Code is 237, Heavy and Civil Engineering Construction.

<sup>Z</sup> 1997 NAICS Code is 23551, Carpentry. 2002 NAICS Codes are 23835, Finish Carpentry Contractors, and 23813, Framing Contractors.

<sup>AA</sup> 1997 NAICS Code is 23493, Industrial Non-Building Structure Construction. 2002 NAICS Code is 23621, Industrial Building Construction.

<sup>BB</sup> "Entities" refer to business firms or governmental bodies; "establishments" refer to industrial plants. Data on affected entities, establishments, and employees are from multiple sources; see the industry profiles in Chapter II for the complete list of references.

<sup>CC</sup> Industry revenues were estimated from data reported in I.R.S., *Corporation Source Book of Statistics of Income, 2002* (IRS, 2005). Data on revenues for State and Local Governments were taken from U.S. Census Bureau, *Government Finances: 1999-2000*, January 2003.

Source: U.S. Dept. of Labor, OSHA, Office of Regulatory Analysis, based on Shaw, 2006.

## BILLING CODE 4510-26-C

Price elasticity refers to the relationship between the price charged for a service and the demand for that

service; that is, the more elastic the relationship, the less able is an establishment to pass the costs of compliance through to its customers in

the form of a price increase and the more it will have to absorb the costs of compliance from its profits. When demand is inelastic, establishments can