

Table VIII-5. Estimated Total Annualized Compliance Costs Associated with the Final Standard for Hexavalent Chromium, by Provision (Discount Rate = 7%)

Cost Category	PEL Option ($\mu\text{g}/\text{m}^3$)					
	20	10	5	1	0.5	0.25
Engineering Controls	\$27,254,895	\$55,266,244	\$114,228,662	\$274,563,256	\$466,012,632	\$1,011,793,069
Exposure Monitoring	\$23,831,107	\$26,338,265	\$38,310,473	\$72,500,309	\$164,549,329	\$186,723,054
Respirator Protection	\$11,245,040	\$36,634,677	\$69,355,289	\$152,353,487	\$312,409,999	\$517,648,026
Housekeeping	\$25,197,050	\$25,197,050	\$25,197,050	\$25,197,050	\$25,197,050	\$25,197,050
Medical Surveillance	\$4,344,847	\$6,788,931	\$15,142,603	\$25,421,755	\$44,159,876	\$52,917,437
Communication of Hazards	\$17,881,354	\$18,020,404	\$18,031,507	\$18,134,752	\$18,434,375	\$18,535,343
Recordkeeping	\$2,100,220	\$2,100,510	\$2,100,210	\$2,099,650	\$2,099,650	\$2,099,350
Total for New Requirements	\$111,854,513	\$170,346,080	\$282,365,793	\$570,270,259	\$1,032,862,911	\$1,814,913,330
PPE (supplied by employers and paid-for by employees prior to reg.)	\$5,554,768	\$5,503,957	\$5,503,957	\$5,454,363	\$5,434,749	\$5,066,306
Total for New Requirements and PPE Supplied in the Baseline (employer costs)	\$117,409,281	\$175,850,038	\$287,869,751	\$575,724,622	\$1,038,297,660	\$1,819,979,637
PPE (not supplied prior to reg.)	\$93,453,088	\$91,779,911	\$91,779,911	\$91,161,311	\$91,155,875	\$85,597,562
Hygiene Areas	\$13,001,400	\$12,900,700	\$12,900,700	\$12,850,000	\$12,840,700	\$9,880,700
Total for New and Existing Requirements	\$223,863,769	\$280,530,649	\$392,550,362	\$679,735,933	\$1,142,294,235	\$1,915,457,899

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

Table VIII-6. Estimated Total First-Year Compliance Costs Associated with the Final Standard for Hexavalent Chromium

Cost Category	General Industry	Government	Construction	Maritime	Total
Engineering Controls	\$184,143,569	\$264,445	\$109,905,359	\$15,802,678	\$310,116,051
Initial Exposure Assessment	\$80,250,132	\$1,427,590	\$26,133,186	\$2,504,284	\$110,315,192
Respiratory Protection	\$42,185,867	\$55,831	\$13,390,104	\$17,527,846	\$73,159,648
Housekeeping	\$34,504,957	\$0	\$0	\$0	\$34,504,957
Medical Surveillance	\$16,135,951	\$409,753	\$11,901,618	\$1,117,960	\$29,565,281
Training and Familiarization	\$24,158,394	\$1,603,776	\$14,190,444	\$1,203,156	\$41,155,771
Recordkeeping	\$1,530,408	\$56,452	\$812,576	\$73,647	\$2,473,083
Total for New Requirements	\$382,909,278	\$3,817,848	\$176,333,286	\$38,229,571	\$601,289,983
PPE (supplied by employers and paid-for by employees prior to reg.)	\$2,740,529	\$298,506	\$1,244,297	\$1,220,626	\$5,503,957
Total for New Requirements and PPE Supplied in the Baseline	\$385,649,807	\$4,116,354	\$177,577,583	\$39,450,197	\$606,793,941
PPE (not supplied in baseline)	\$80,075,116	\$48,096	\$5,995,559	\$5,661,140	\$91,779,911
Hygiene Areas	\$41,818,607	\$335,882	\$7,813,392	\$1,432,863	\$51,400,744
Total for New and Existing Requirements	\$507,543,530	\$4,500,332	\$191,386,533	\$46,544,201	\$749,974,596

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