Table 1: Annual Respondent Burden and Cost for NESHAP for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks (40 CF

Burden Item (A) Per Occurrence (B) Occurrence 1. APPLICATIONS N/A N/A 2. SURVEY AND STUDIES N/A N/A 3. ACQUISITION, INSTALLATION, AND UTILIZATION OF TECHNOLOGY AND SYSTEMS N/A N/A A. FAMILIARTOR, REQUIREMENTS N/A N/A A. Familiarization with Regulatory Requirements 1 1 B. Required Activities 1 1 D. Gather Existing Information 2 1 D. Gather Existing Information 2 1 Notification of compliance status 2 1 Notification of construction / reconstruction 2 1 Notification of performance test 2 1 Operation and maintenance plan 10 1 Annual compliance status reports for area sources ⁴ 4 2 Semiannual reports of exceedances for area sources ⁸ 8 2 Semiannual compliance status reports for major sources ⁸ 8 2 Quarterly compliance status reports for major sources ⁸ 8 2 Subtotal for Reporting Requirements 5			\$122.20	\$153.55	5 \$61.5	1
2. SURVEY AND STUDIES N/A N/A 3. ACQUISITION, INSTALLATION, AND UTILIZATION OF N/A N/A 4. REPORTING REQUIREMENTS N/A N/A 4. REPORTING REQUIREMENTS 1 1 B. Required Activities 1 1 B. Required Activities 1 1 Deformance test* 1 1 Monitoring of operations equipment 4 1 1 C. Create Information 2 1 Notification of compliance status 2 1 Notification of actual startup 2 1 Notification of actual startup 2 1 Notification of performance test 2 1 Performance test report 4 1 Operation and maintenance plan 10 1 Annual compliance status reports for area sources ⁶ 8 2 Quarterly compliance status reports for major sources ^b 8 4 Request to reduce report frequency ⁶ 2 1 Subtotal for Reporting Requirements 5 5 2 1 Subtotal for Reporting Requirements 0.5		(D) Number of Respondents per Year ^a	(E) Technical Hours per Year (E=C x D)	(F) Management Hours per Year (F= E x 0.05)	(G) Clerical Hours per Year (G= E x 0.1)	Total Labor Costs per Year ^b
3. ACQUISITION, INSTALLATION, AND UTILIZATION OF TECHNOLOGY AND SYSTEMS N/A N/A 4. REPORTING REQUIREMENTS 1 1 B. Required Activities 1 1 Performance test* Monitoring of operations equipment 4 1 C. Create Information 2 1 Notification of compliance status 2 1 Notification of compliance status 2 1 Notification of construction / reconstruction 2 1 Notification of construction / reconstruction 2 1 Notification of construction / reconstruction 2 1 Operation and maintenance plan 10 1 Annual compliance status reports for area sources * 8 2 Semiannual compliance status reports for major sources * 8 2 Semiannual compliance status reports for major sources * 8 2 Subtotal for Reporting Requirements 5 8 4 Subtotal for Reporting Requirements 5 2 1 Subtotal for Reporting Requirements 5 2 1 Subtotal for Reporting Requirements 5 2 1000	N/A	N/A	N/A	N/A	N/A	N/A
TECHNOLOGY AND SYSTEMS N/A N/A 4. REPORTING REQUIREMENTS 1 1 B. Required Activities 1 1 Performance test ⁶ Monitoring of operations equipment ⁴ C. Create Information E. Write Report ^{4*} 2 1 Notification of compliance status 2 1 Notification of actual startup 2 1 Notification of actual startup 2 1 Notification of performance test 2 1 Performance test report 4 1 Operation and maintenance plan 10 1 Annual compliance status reports for area sources ⁶ 8 2 Quarterly compliance status reports for major sources ^b 8 2 Quarterly compliance status reports for major sources ^b 8 2 Quarterly compliance status reports for major sources ^b 8 2 Subtotal for Reporting Requirements 5 8 4 Request to reduce report frequency ⁴ 0.5 2500 - Develop Record System <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td>	N/A	N/A	N/A	N/A	N/A	N/A
4. REPORTING REQUIREMENTS 1 1 B. Required Activities 1 1 B. Required Activities 1 1 Performance test ^c 1 1 Monitoring of operations equipment ^d 1 1 C. Create Information 1 1 D. Gather Existing Information 2 1 Notification of compliance status 2 1 Notification of actual startup 2 1 Notification of construction / reconstruction 2 1 Notification of performance test 2 1 Performance test report 4 1 Operation and maintenance plan 10 1 Annual compliance status reports for area sources ^{1, g} 4 1 Semiannual reports of exceedances for area sources ^h 8 2 Quarterly compliance status reports for major sources ^h 8 4 Request to reduce report frequency ^g 2 1 Subtotal for Reporting Requirements 5 8 2 D. Develop Record System 40 1 1 E. Time to Enter and Transmit Info						
A. Familiarization with Regulatory Requirements 1 1 B. Required Activities Monitoring of operations equipment 4 C. Create Information D. Gather Existing Information E. Write Report ** Notification of compliance status 2 1 Notification of compliance status 2 1 Notification of compliance status 2 1 Notification of construction / reconstruction 2 1 Notification of performance test 2 1 Operation and maintenance plan 10 1 Annual compliance status reports for area sources ^{6,8} 4 1 Semiannual reports of exceedances for area sources ^{6,8} 8 2 Quarterly compliance status reports for major sources ^b 8 4 Request to reduce report frequency ⁸ 2 1 Subtotal for Reporting Requirements 5 8 4 D. Develop Record System 40 1 2 D. Develop Record System 0.5 250 1000 - Wetting agents (normal schedule) ^{1/2} 0.25 1000 - Foam Blankets (normal schedule) ^{1/2} 0.25 1000	N/A	N/A	N/A	N/A	N/A	N/A
B. Required Activities Performance test ⁴ Monitoring of operations equipment ⁴						
Performance test* Monitoring of operations equipment 4 C. Create Information D. Gather Existing Information E. Write Report ** Notification of compliance status 2 Notification of construction / reconstruction 2 Annual compliance test report 4 Annual compliance status reports for area sources 4 8 Semiannual compliance status reports for area sources 4 8 Quarterly compliance status reports for major sources 4 8 Request to reduce report frequency 5 2 Subtotal for Reporting Requirements 5 S. RECORDKEEPING REQUIREMENTS - A. Familiarization of Regulatory Requirements - B. Plan Activities - C. Implement Activities - C. Supplement Activities - C. Supplement Activities - C. Tompeline to Enter and Transmit Information - Re	1	1,343	1343	67.15	134.3	\$182,686.28
Monitoring of operations equipment 4 C. Create Information D. Gather Existing Information E. Write Report ** Notification of compliance status 2 Notification of construction / reconstruction 2 Notification of performance test 2 Performance test report 4 Operation and maintenance plan 10 Annual compliance status reports for area sources * 8 Semiannual reports of exceedances for area sources * 8 Quarterly compliance status reports for major sources * 8 Quarterly compliance status reports for major sources * 8 Request to reduce report frequency * 2 1 Subtotal for Reporting Requirements 5 B. Plan Activities						
C. Create Information D. Gather Existing Information E. Write Report ** Notification of compliance status 2 1 Notification of actual startup 2 1 Notification of actual startup 2 1 Notification of performance test 2 1 Performance test report 4 1 Operation and maintenance plan 10 1 Annual compliance status reports for area sources * 8 2 Semiannual compliance status reports for major sources * 8 2 Quarterly compliance status reports for major sources * 8 2 1 Subtotal for Reporting Requirements 5. RECORDKEEPING REQUIREMENTS 4 A. Familiarization of Regulatory Requirements 5 D. Develop Record System 40 1 E. Time to Enter and Transmit Information 1 Records of monitoring: 0.5 250 - Composite mesh pad/packed scrubber ' 0.25 1000 - Foam Blankets (reduced frequency schedule) ¹⁴ 0.25 5000 - Excess emissions 1 4		See 4E				
D. Gather Existing Information E. Write Report ** Notification of compliance status 2 Notification of actual startup 2 Notification of construction / reconstruction 2 Notification of construction / reconstruction 2 Notification of performance test 2 Performance test report 4 Operation and maintenance plan 10 Annual compliance status reports for area sources ^{1, g} 4 Semiannual reports of exceedances for area sources ^{1, g} 4 Quarterly compliance status reports for major sources ^h 8 Quarterly compliance status reports for major sources ^h 8 Request to reduce report frequency ^g 2 Subtotal for Reporting Requirements 8 B. Plan Activities 0 D. Develop Record System 40 Records of monitoring: 0.25 - Composite mesh pad/packed scrubber ¹ 0.25 - Records of operations: ^m 0.25 - Foam Blankets (reduced frequency schedule) ^{1/k} 0.25 - Camposite mesh pad/packed scrubber ¹ 0.25 - Poare Blankets (reduced frequency schedule) ^{1/k} 0.25		See 5E				
E. Write Report ** 2 1 Notification of compliance status 2 1 Notification of actual startup 2 1 Notification of construction / reconstruction 2 1 Notification of performance test 2 1 Performance test report 4 1 Operation and maintenance plan 10 1 Annual compliance status reports for area sources * 8 2 Semiannual reports of exceedances for area sources * 8 2 Quarterly compliance status reports for major sources * 8 4 Request to reduce report frequency * 2 1 Subtotal for Reporting Requirements 5 8 2 S. RECORDKEEPING REQUIREMENTS 40 1 1 E. Time to Enter and Transmit Information 7 2 1 Records of monitoring: - - 2 1 C. Implement Activities - - - 2 1 D. Develop Record System 40 1 - 2 2 1 C. Implement Activities -		See 4B and 5E				
Notification of compliance status 2 1 Notification of actual startup 2 1 Notification of construction / reconstruction 2 1 Notification of performance test 2 1 Performance test report 4 1 Operation and maintenance plan 10 1 Annual compliance status reports for area sources ^{1, g} 4 1 Semiannual reports of exceedances for area sources ^{1, g} 8 2 Quarterly compliance status reports for major sources ^h 8 2 Quarterly compliance status reports for major sources ^h 8 4 Request to reduce report frequency ^g 2 1 Subtotal for Reporting Requirements 5 8 2 S. RECORDKEEPING REQUIREMENTS 5 8 4 C. Implement Activities 0 1 1 D. Develop Record System 40 1 1 Records of monitoring: - - 2 1000 - Composite mesh pad/packed scrubber ¹ 0.5 250 1000 - - Foam Blankets (normal schedule) ^{1,k} 0.25 <td></td> <td>See 4B and 5E</td> <td></td> <td></td> <td></td> <td>N/A</td>		See 4B and 5E				N/A
Notification of compliance status 2 1 Notification of actual startup 2 1 Notification of construction / reconstruction 2 1 Notification of performance test 2 1 Performance test report 4 1 Operation and maintenance plan 10 1 Annual compliance status reports for area sources ^{1, g} 4 1 Semiannual reports of exceedances for area sources ^{1, g} 8 2 Quarterly compliance status reports for major sources ^h 8 2 Quarterly compliance status reports for major sources ^h 8 4 Request to reduce report frequency ^g 2 1 Subtotal for Reporting Requirements 5 8 2 S. RECORDKEEPING REQUIREMENTS A. Familiarization of Regulatory Requirements 5 8 4 D. Develop Record System 40 1 1 6 1 6 2 1 Records of monitoring: - - - 0.5 250 1000 1 1 1 1 1 1 2 1 1 1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
Notification of actual startup21Notification of construction / reconstruction21Notification of performance test21Performance test report41Operation and maintenance plan101Annual compliance status reports for area sources f,g 41Semiannual reports of exceedances for area sources h,g 82Quarterly compliance status reports for major sources h 82Quarterly compliance status reports for major sources h 84Request to reduce report frequency g 21Subtotal for Reporting Requirements521S. RECORDKEEPING REQUIREMENTS401E. Time to Enter and Transmit Information1Records of monitoring:0.5250- Composite mesh pad/packed scrubber i 0.251000- Wetting agents (normal schedule) j,k 0.251000- Foam Blankets (normal schedule) j,k 0.25500- Excess emissionsRecords of operations: m Operation and maintenance14 Cumulative rectifier capacity Records of trivalent chromium bath purchases n 0.512F. Time to train personnelN/AN/ASubtotal for Recordkeeping Requirements	2	0	0	0	0	\$0
Notification of performance test 2 1 Performance test report 4 1 Operation and maintenance plan 10 1 Annual compliance status reports for area sources ^{1, g} 4 1 Semiannual reports of exceedances for area sources ^{1, g} 4 1 Quarterly compliance status reports for major sources ^h 8 2 Quarterly compliance status reports for major sources ^h 8 4 Request to reduce report frequency ^g 2 1 Subtotal for Reporting Requirements 5 8 2 S. RECORDKEEPING REQUIREMENTS 40 1 1 B. Plan Activities - - - D. Develop Record System 40 1 - E. Time to Enter and Transmit Information - - - Records of monitoring: - 0.5 250 - - Composite mesh pad/packed scrubber ¹ 0.25 1000 - - 2 1000 - Foam Blankets (normal schedule) ^{jk} 0.25 1000 - - - - - - Operation and main	2	0	0	0	0	\$0
Performance test report 4 1 Operation and maintenance plan 10 1 Annual compliance status reports for area sources ^{1, g} 4 1 Semiannual reports of exceedances for area sources ^{1, g} 4 1 Semiannual compliance status reports for major sources ^k 8 2 Quarterly compliance status reports for major sources ^k 8 2 Quarterly compliance status reports for major sources ^k 8 2 Quarterly compliance status reports for major sources ^k 8 4 Request to reduce report frequency ^g 2 1 Subtotal for Reporting Requirements 5 2 1 Subtotal for Reporting Requirements 5 2 1 D. Develop Record System 40 1 1 E. Time to Enter and Transmit Information 7 2 1000 Records of monitoring: 0.5 250 1000 - Composite mesh pad/packed scrubber ¹ 0.25 1000 2 - Foam Blankets (normal schedule) ^{1,k} 0.25 1000 2 500 - Excess emissions 7 7 2	2	0	0	0	0	\$0
Operation and maintenance plan 10 1 Annual compliance status reports for area sources ^{1, g} 4 1 Semiannual reports of exceedances for area sources ⁶ 8 2 Semiannual compliance status reports for major sources ^h 8 2 Quarterly compliance status reports for major sources ^h 8 2 Quarterly compliance status reports for major sources ^h 8 4 Request to reduce report frequency ^g 2 1 Subtotal for Reporting Requirements 5 2 1 Subtotal for Reporting Requirements - - - B. Plan Activities - - - - D. Develop Record System 40 1 - - E. Time to Enter and Transmit Information - - - - Records of monitoring: - <t< td=""><td>2</td><td>0</td><td>0</td><td>0</td><td>0</td><td>\$0</td></t<>	2	0	0	0	0	\$0
Annual compliance status reports for area sources ^{1, g} 4 1 Semiannual reports of exceedances for area sources ^g 8 2 Semiannual compliance status reports for major sources ^h 8 2 Quarterly compliance status reports for major sources ^h 8 4 Request to reduce report frequency ^g 2 1 Subtotal for Reporting Requirements 2 1 Subtotal for Regulatory Requirements 2 1 B. Plan Activities 0 1 C. Implement Activities 0 1 D. Develop Record System 40 1 E. Time to Enter and Transmit Information 1 1 Records of monitoring: 0.5 250 1000 - Composite mesh pad/packed scrubber ⁱ 0.25 1000 1 - Foam Blankets (normal schedule) ^{j,k} 0.25 5000 - - Foam Blankets (reduced frequency schedule) ^{j,k} 0.25 5000 -	4	0	0	0	0	\$0
Semiannual reports of exceedances for area sources ^k 8 2 Semiannual compliance status reports for major sources ^k 8 2 Quarterly compliance status reports for major sources ^k 8 4 Request to reduce report frequency ^g 2 1 Subtotal for Reporting Requirements 2 1 Subtotal for Reporting Requirements 2 1 S. RECORDKEEPING REQUIREMENTS A. Familiarization of Regulatory Requirements 5 B. Plan Activities 0 1 C. Implement Activities 0 1 D. Develop Record System 40 1 E. Time to Enter and Transmit Information 2 100 Records of monitoring: 0.5 250 - Composite mesh pad/packed scrubber ¹ 0.5 250 - Wetting agents (normal schedule) ^{j,k} 0.25 1000 - Foam Blankets (normal schedule) ^{j,k} 0.25 500 - Foam Blankets (reduced frequency schedule) ^{j,k} 0.25 500 - Excess emissions 0.25 500 - Records of operations: ^m 0.5 12 4 - Cumulative	10	0	0	0	0	\$0
Semiannual reports of exceedances for area sources ⁶ 8 2 Semiannual compliance status reports for major sources ^h 8 2 Quarterly compliance status reports for major sources ^h 8 4 Request to reduce report frequency ^g 2 1 Subtotal for Reporting Requirements 2 1 Subtotal for Reporting Requirements 2 1 S. RECORDKEEPING REQUIREMENTS A. Familiarization of Regulatory Requirements 5 B. Plan Activities 0 1 C. Implement Activities 0 1 D. Develop Record System 40 1 E. Time to Enter and Transmit Information 2 1000 Records of monitoring: 0.5 250 - Composite mesh pad/packed scrubber ¹ 0.25 1000 - Wetting agents (reduced frequency schedule) ^{j,k} 0.25 1000 - Foam Blankets (normal schedule) ^{j,k} 0.25 500 - Excess emissions 1 4 Records of operations: ^m 0.5 12 - Operation and maintenance 1 4 - Cumulative rectifier capacity - 1	4	1,033.04	4,132.16	206.61	413.22	\$562,091.53
Semiannual compliance status reports for major sources h 8 2 Quarterly compliance status reports for major sources h 8 4 Request to reduce report frequency ^g 2 1 Subtotal for Reporting Requirements 2 1 B. Plan Activities - - C. Implement Activities - - D. Develop Record System 40 1 E. Time to Enter and Transmit Information - - Records of monitoring: - - - - Composite mesh pad/packed scrubber ¹ 0.5 250 - - Wetting agents (normal schedule) ^{j,k} 0.25 1000 - - Foam Blankets (normal schedule) ¹ 0.25 500 - - Excess emissions - <td< td=""><td>16</td><td>258.26</td><td>4,132.16</td><td>206.61</td><td>413.22</td><td>\$562,091.53</td></td<>	16	258.26	4,132.16	206.61	413.22	\$562,091.53
Quarterly compliance status reports for major sources h 8 4 Request to reduce report frequency ^g 2 1 Subtotal for Reporting Requirements 2 1 B. Plan Activities	16	0	0	0	0	\$0
Request to reduce report frequency ^g 2 1 Subtotal for Reporting Requirements 2 1 Subtotal for Reporting Requirements 2 1 S. RECORDKEEPING REQUIREMENTS 40 1 A. Familiarization of Regulatory Requirements 5 2 B. Plan Activities		-	-	-	-	-
Subtotal for Reporting Requirements 5. RECORDKEEPING REQUIREMENTS A. Familiarization of Regulatory Requirements B. Plan Activities C. Implement Activities D. Develop Record System 40 1 E. Time to Enter and Transmit Information Records of monitoring: - Composite mesh pad/packed scrubber ¹ 0.5 250 - Wetting agents (normal schedule) ^{j,k} 0.25 1000 - Foam Blankets (normal schedule) ¹ 0.25 4000 - Foam Blankets (reduced frequency schedule) ¹ 0.25 - Excess emissions	32	0	0	0	0	\$0
5. RECORDKEEPING REQUIREMENTS A. Familiarization of Regulatory Requirements B. Plan Activities C. Implement Activities D. Develop Record System 40 1 E. Time to Enter and Transmit Information Records of monitoring: - Composite mesh pad/packed scrubber ¹ 0.5 250 - Wetting agents (normal schedule) ^{j,k} 0.25 1000 - Wetting agents (reduced frequency schedule) ^{j,k} 0.25 4000 - Foam Blankets (normal schedule) ¹ 0.25 - Foam Blankets (reduced frequency schedule) ¹ 0.25 - Excess emissions	2	129.13	258.26	12.91	25.83	\$35,130.72
A. Familiarization of Regulatory Requirements B. Plan Activities C. Implement Activities D. Develop Record System 40 E. Time to Enter and Transmit Information Records of monitoring: - Composite mesh pad/packed scrubber ¹ 0.5 250 - Wetting agents (normal schedule) ^{j,k} 0.25 - Wetting agents (reduced frequency schedule) ^{j,k} 0.25 - Foam Blankets (normal schedule) ¹ 0.25 - Foam Blankets (reduced frequency schedule) ¹ 0.25 - Excess emissions - Records of operations: ^m - - Operation and maintenance 1 4 - Cumulative rectifier capacity - - - Records of trivalent chromium bath purchases ⁿ 0.5 12 F. Time to train personnel N/A N/A Subtotal for Recordkeeping Requirements N/A N/A				11,345		\$1,342,000
B. Plan Activities C. Implement Activities D. Develop Record System 40 E. Time to Enter and Transmit Information Records of monitoring: - Composite mesh pad/packed scrubber ¹ 0.5 250 - Wetting agents (normal schedule) ^{j,k} 0.25 - Wetting agents (reduced frequency schedule) ^{j,k} 0.25 - Foam Blankets (normal schedule) ¹ 0.25 - Foam Blankets (reduced frequency schedule) ¹ 0.25 - Excress emissions - Records of operations: ^m - - Operation and maintenance 1 4 - Cumulative rectifier capacity - - Records of trivalent chromium bath purchases ⁿ 0.5 12 F. Time to train personnel N/A N/A Subtotal for Recordkeeping Requirements N/A N/A						
C. Implement Activities 40 1 D. Develop Record System 40 1 E. Time to Enter and Transmit Information 8 1 Records of monitoring: 0.5 250 - Composite mesh pad/packed scrubber ¹ 0.5 250 - Wetting agents (normal schedule) ^{j,k} 0.25 1000 - Wetting agents (reduced frequency schedule) ^{j,k} 0.25 100 - Foam Blankets (normal schedule) ¹ 0.25 4000 - Foam Blankets (reduced frequency schedule) ¹ 0.25 500 - Excess emissions 9 1 4 - Comulative rectifier capacity 1 4 - Cumulative rectifier capacity 1 4 - Records of trivalent chromium bath purchases ⁿ 0.5 12 F. Time to train personnel N/A N/A Subtotal for Recordkeeping Requirements N/A N/A		See 4A				
D. Develop Record System 40 1 E. Time to Enter and Transmit Information Records of monitoring: - Composite mesh pad/packed scrubber ¹ 0.5 250 - Wetting agents (normal schedule) ^{j,k} 0.25 1000 - Wetting agents (reduced frequency schedule) ^{j,k} 0.25 100 - Foam Blankets (normal schedule) ¹ 0.25 4000 - Foam Blankets (reduced frequency schedule) ¹ 0.25 500 - Excess emissions Records of operations: ^m - Operation and maintenance 1 4 - Cumulative rectifier capacity - Records of trivalent chromium bath purchases ⁿ 0.5 12 F. Time to train personnel N/A N/A N/A Subtotal for Recordkeeping Requirements N/A N/A N/A		See 4B				
E. Time to Enter and Transmit Information Records of monitoring: - Composite mesh pad/packed scrubber ¹ 0.5 250 - Wetting agents (normal schedule) ^{j,k} 0.25 - Wetting agents (reduced frequency schedule) ^{j,k} 0.25 - Foam Blankets (normal schedule) ¹ 0.25 - Foam Blankets (reduced frequency schedule) ¹ 0.25 - Foam Blankets (reduced frequency schedule) ¹ 0.25 - Excess emissions - Records of operations: ^m - - Operation and maintenance 1 4 - Cumulative rectifier capacity - - Records of trivalent chromium bath purchases ⁿ 0.5 12 F. Time to train personnel N/A N/A Subtotal for Recordkeeping Requirements N/A N/A		See 4B		1		
Records of monitoring:0.5250- Composite mesh pad/packed scrubber 10.5250- Wetting agents (normal schedule) j^k 0.251000- Wetting agents (reduced frequency schedule) j^k 0.25100- Foam Blankets (normal schedule) 10.254000- Foam Blankets (reduced frequency schedule) 10.25500- Excess emissions-Records of operations: m Operation and maintenance14- Cumulative rectifier capacity Records of trivalent chromium bath purchases n0.512F. Time to train personnelN/AN/ASubtotal for Recordkeeping RequirementsN/AN/A	40	0	0	0	0	\$0
- Composite mesh pad/packed scrubber i0.5250- Wetting agents (normal schedule) j,k 0.251000- Wetting agents (reduced frequency schedule) j,k 0.25100- Foam Blankets (normal schedule) 10.254000- Foam Blankets (reduced frequency schedule) 10.25500- Excess emissions-Records of operations: m Operation and maintenance14- Cumulative rectifier capacity Records of trivalent chromium bath purchases n0.512F. Time to train personnelN/AN/ASubtotal for Recordkeeping RequirementsN/AN/A						
- Wetting agents (normal schedule) j,k 0.251000- Wetting agents (reduced frequency schedule) j,k 0.25100- Foam Blankets (normal schedule) 1 0.254000- Foam Blankets (reduced frequency schedule) 1 0.25500- Excess emissionsRecords of operations: " Operation and maintenance14- Cumulative rectifier capacity Records of trivalent chromium bath purchases "0.512F. Time to train personnelN/AN/AG. Time for AuditsN/AN/ASubtotal for Recordkeeping Requirements-	105	(20.40	70.026.12	2,000,01	7.002.01	¢10.072.501.10
- Wetting agents (reduced frequency schedule) jk 0.25100- Foam Blankets (normal schedule) 1 0.254000- Foam Blankets (reduced frequency schedule) 1 0.25500- Excess emissions-0.25500- Excess emissions Operation and maintenance14- Cumulative rectifier capacity Records of trivalent chromium bath purchases n 0.512F. Time to train personnelN/AN/AG. Time for AuditsN/AN/ASubtotal for Recordkeeping Requirements-	125 250	639.49 465.57	79,936.13	3,996.81 5.819.68	7,993.61 11,639.36	\$10,873,591.18 \$15,832,850.22
- Foam Blankets (normal schedule) ¹ 0.25 4000 - Foam Blankets (reduced frequency schedule) ¹ 0.25 500 - Excess emissions 0.25 500 Records of operations: ^m 1 4 - Operation and maintenance 1 4 - Cumulative rectifier capacity - 1 - Records of trivalent chromium bath purchases ⁿ 0.5 12 F. Time to train personnel N/A N/A G. Time for Audits N/A N/A Subtotal for Recordkeeping Requirements - -	250	51.73	1,293.26	64.66	129.33	\$175,920.56
- Foam Blankets (reduced frequency schedule) ¹ 0.25 500 - Excess emissions	1000	0	0	04.00	0	\$173,320.30
- Excess emissions Records of operations: m - Operation and maintenance 1 4 - Cumulative rectifier capacity - Records of trivalent chromium bath purchases n 0.5 F. Time to train personnel N/A M/A N/A Subtotal for Recordkeeping Requirements	1000	0	0	0	0	\$0
Records of operations: m 1 4 - Operation and maintenance 1 4 - Cumulative rectifier capacity - - - Records of trivalent chromium bath purchases m 0.5 12 F. Time to train personnel N/A N/A G. Time for Audits N/A N/A Subtotal for Recordkeeping Requirements - -		See 4E	÷	0	0	90
- Operation and maintenance 1 4 - Cumulative rectifier capacity - - Records of trivalent chromium bath purchases n 0.5 12 F. Time to train personnel N/A N/A G. Time for Audits N/A N/A Subtotal for Recordkeeping Requirements - -		<u> </u>				
- Cumulative rectifier capacity - - Records of trivalent chromium bath purchases " 0.5 F. Time to train personnel N/A G. Time for Audits N/A Subtotal for Recordkeeping Requirements	4	639.49	2557.96	127.90	255.80	\$347,954.92
- Records of trivalent chromium bath purchases n 0.5 12 F. Time to train personnel N/A N/A G. Time for Audits N/A N/A Subtotal for Recordkeeping Requirements N/A N/A		See 4E				40,00
F. Time to train personnel N/A N/A G. Time for Audits N/A N/A Subtotal for Recordkeeping Requirements N/A N/A	6	51.70	310.20	15.51	31.02	\$42,196.04
G. Time for Audits N/A N/A Subtotal for Recordkeeping Requirements	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
				230,565	·	\$27,272,513
TOTAL LABOR BURDEN AND COST (rounded) ^o				242,000		\$28,600,000
TOTAL CAPITAL/O&M COST (rounded)°						\$20,400,000
GRAND TOTAL (rounded) ^o						\$49,000,000

Assumptions:

^a There are an estimated total of 1,343 chromium electroplating and anodizing operations nationwide. Of this total, approximately 652 are hard chromium electroplating operations, 517 are decorative chromium electroplating operations, and 174 are chromium anodizing operations. No net growth is predicted for this industry. It is expected that new tanks will only be added to replace or expand existing capacity. The ongoing monitoring, reporting, and recordkeeping for new tanks is the same as that for existing tanks.

^b This ICR uses the following labor rates: \$153.55 per hour for Executive, Administrative, and Managerial labor; \$122.20 per hour for Technical labor, and \$61.51 per hour for Clerical labor. These rates are from the United States Department of Labor, Bureau of Labor Statistics, March 2021 "Table 2. Civilian Workers, by occupational and industry group." The rates are from column 1, "Total compensation." The rates have been increased by 110 percent to account for the benefit packages available to those employed by private industry.

^c Sources are required to conduct performance tests using Methods 306 or 306A of Appendix A, or the California Air Resources Board (CARB) Method 425 or SCAQMD Method 205.1, as an alternative, Method 306B, and alternate methods if the method has been validated using Method 301 of Appendix A.

^d Sources are required to follow work practice standards at composite-mesh-pad (CMP) systems, packed-bed scrubbers (PBS), PBS/CMP systems, fiber-bed mist eliminators, and other air pollution control devices not listed in the rule, as well as monitoring operational parameters (i.e., pressure drop for composite mesh pad systems and fiber bed mist eliminators; pressure drop and velocity pressure for packed bed scrubbers, surface tension for wetting agents, thickness of the foam for foam blanket fume suppressants, or the appropriate parameter for an alternative control option) and monitoring equipment.

^e Since there are no new respondents estimated, these requirements do not apply.

^{*f*} All sources, except decorative chromium electroplating plants using trivalent chromium bath (1,343 - 51.7 = 1,291.3), are required to submit compliance status reports. Area sources are required to submit an annual compliance status report and major sources a semiannual compliance status report.

in excess emissions occur at use plant, sources are required to submit reports on a more frequent basis (i.e., semiannually for area sources and quarterity for major sources) until the regulatory agency has approved the source request to reduce frequency of ongoing compliance status reports. We have assumed that 80 percent of the sources (0.80 x 1,291.3 = 1,033.04) will have no excess emissions and 20 percent of the sources (0.20 x 1,291.3 = 258.26) will have excess emissions. We have also assumed that half of the area sources submitting semiannual reports due to excess emissions (0.5 x 258 = 129.13) will request the regulatory agency to approve a reduction in frequency for ongoing compliance status reports (i.e., back to annual reporting).

^h We have assumed that all sources are area sources.

¹ We have assumed that the monitoring required for composite mesh pad/packed bed scrubbers occurs once per day, 5 five days a week, 50 weeks per year for all plants with add-on control devices. The number of facilities with add-on control devices is estimated to be 639.49 based on the assumption that 84 percent of hard chromium electroplating facilities (84% of 652 = 547.68), 13 percent of the decorative chromium electroplating that use hexavalent chromium bath (13% of 465.3 = 60.49) and 18 percent of chromium andizing facilities (18% of 174 = 31.32) will use add-on control devices.

³ We have assumed that 85 percent of decorative chromium electroplating plants that use hexavalent chromium bath (85% of 465.3 = 395.51) and 70 percent of chromium anodizing plants (70% of 174 = 121.8) will use wetting agents for a total of 517.31 sources.

^k We have assumed that area sources using wetting agents will be required to monitor once every four hours for two 8-hours shifts (a 16-hour day), five days a week, 50 weeks per year per operating schedule if the source is on a regular monitoring schedule. If the source is on a reduced monitoring schedule, it will be required to monitor once every 40 hours for 16-hour day, five days a week, 50 weeks per year per operating schedule. We have assumed that 90 percent of the sources (90% of 517.31 = 465.57) will be on a normal schedule and 10 percent of the sources (10% of 517.31 = 51.73) are on a reduced schedule.

¹ We have assumed that sources will not elect to use foam blankets because the rule requires them to do compliance testing. If sources elect to use foam blankets, the reduced monitoring schedule will require them to monitor once every 8 hours, per 16-hour day, five days a week, 50 weeks per year per operating schedule. If the source is on a normal monitoring schedule it will be required to monitor once every hour, per 16-hour day, five days a week, 50 weeks per year per operating schedule.

^m We have assumed that all facilities with add-on control devices (639.49) would be required to have an approved Operation and Maintenance Plan for their operations.

ⁿ We have assumed that 10 percent of the decorative chromium electroplating plants (10% of 517 = 51.7) use trivalent chromium baths and 90 percent use hexavalent chromium baths (90% of 517 = 465.3).

Table 2: Average Annual EPA Burden and Cost for NESHAP for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks (40 CFR Part 63, Subpart N) (Renewal)

					\$51.23	\$69.04	\$27.73	3
Burden Item	(A) EPA Hours per Occurence (Technical hours)	(B) Number of Occurences per Plant per Year	(C) EPA Hours per Year (C=A x B)	(D) Plants per Year ^a	(E) Technical Hours per Year (E=C x D)	(F) Management Hours per Year (F= E x 0.05)	(G) Clerical Hours per Year (G= E x 0.1)	Costs per Yea
Notification of Compliance Status °	2	1	2	0	0	0	0	s
Notification of Actual Startup	2	1	2	0	0	0	0	\$
Notification of construction/ reconstruction	2	1	2	0	0	0	0	S
Operation and maintenance plan ^d	2	1	2	0	0	0	0	S
Notification of Performance Test ^c	2	1	2	0	0	0	0	S
Reports of Performance Test results ^c	2	1	2	0	0	0	0	S
Report Review-								
Plant records of fume suppressant use * (2012 amendment)	2	1	2	26.00	52.00	2.60	5.20	\$2,987.6
Annual compliance status reports for area sources for area sources	2	1	2	1033.04	2066.08	103.30	206.61	\$118,706.6
Semiannual reports of exceedances for area sources f.g	2	2	4	258.26	1033.04	51.65	103.30	\$59,353.3
Semiannual compliance status reports for major sources h	2	1	2	0	0	0	0	s
Quarterly compliance status reports for major sources	2	1	2	0	0	0	0	\$
Request to reduce report frequency 8	2	1	2	129.13	258.26	12.91	25.83	\$14,838.3
TOTAL (rounded ⁱ)						3.920		\$196.00

Assumptions:

* There are an estimated total of 1,343 chromium electroplating and anodizing operations nationwide. Of this total, approximately 652 are hard chromium electroplating operations, 517 are decorative chromium electroplating operations, and 174 are chromium anodizing operations. No net growth is predicted for this industry. It is expected that new tanks will only be added to replace or expand existing capacity. The ongoing monitoring, reporting, and recordkeeping for new tanks is the same as that for existing tanks.

^b This cost is based on the following hourly labor rates: \$69.04 for Managerial (GS-13, Step 5, \$43.15+ 60%), \$51.23 for Technical (GS-12, Step 1, \$32.02 + 60%) and \$27.73 for Clerical (GS-6, Step 3, \$17.33 + 60%). These rates are from the Office of Personnel Management (DPM) "2021 General Schedule" which excludes locality rates of pay. The rates have been increased by 60% to account for the benefit packages available to government employees.

^c Since there are no new respondents estimated, these requirements do not apply.

^a There will be no periodic burden for the regulatory agency associated with this requirement although we have assumed that all facilities with add-on control devices (639) would be required to have an approved Operation and Maintenance Plan for its operations.

*Assumes Agency will review records of 5% of the 540 plants that use fume suppressants (540 x 0.05 = 26) (as estimated based on the 2012 Final Rule, see ICR No. 1611.10) to confirm that non-PFOS fume suppressants are being used.

⁴All sources, except decorative chromium electroplating plants using trivalent chromium bath (1,343 - 51.7 = 1,291.3), are required to submit compliance status reports. Area sources are required to submit an annual compliance status report and major sources a semiannual compliance status report.

* If excess emissions occur at the plant, sources are required to submit reports on a more frequent basis (i, e.g., semiannually for area sources and quarterly for major sources) until the regulatory agency has approved the source request to reduce frequency of ongoing compliance status reports. We have assumed that 80 percent of the sources (0.80 x 1,291.3 = 1,033.04) will have no excess emissions and 20 percent of the sources (0.20 x 1,291.3 = 258.26) will have excess emissions. We have also assumed that laft of the area sources submitting semiannual reports due to excess emissions (0.5 x 258 = 129.13) will request the regulatory agency to approve a reduction in frequency for ongoing compliance status reports (i.e., back to annual reports due to excess emissions).

^h We have assumed that all sources are area sources.

¹ Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

Respondent Type	Number of Respondents
Total	134
hard chromium electroplating	65
decorative chromium electroplating	51
decorative chromium electroplating plants using hexavalent chromium baths	465.
decorative chromium electroplating plants using trivalent chromium baths	51.
chromium anodizing operations	17