

**Table 1: Annual Respondent Burden and Cost – NESHAP for Gold Mine Ore Processing (4 (Renewal))**

	(A)	(B)	(C)	(D)
Burden item	Person hours per occurrence	No. of occurrences per respondent	Person-hours per respondent per year (C=AxB)	Respondents per year <sup>a</sup>
1. Applications	N/A			
2. Surveys and Studies	N/A			
3. Acquisition, Installation, and Utilization of Technology and Systems	N/A			
4. Reporting Requirements				
A. Familiarize with regulatory requirements <sup>c</sup>	8	1	8	21
B. Required activities <sup>d</sup>	N/A			
Operating CEMS <sup>e</sup>	0.25	365	91.25	4
Weekly and monthly sampling	1	52	52	17
Annual Method 29 Performance Test <sup>f</sup>	15	1	15	17
C. Create information	See 4B			
D. Gather existing information	See 4B			
E. Write report	See 4B			
Initial notification of applicability <sup>g</sup>	2	1	2	0
Notification of compliance status <sup>g</sup>	2	1	2	0
Request for compliance extension	N/A			
Site-specific test plan <sup>g</sup>	4	1	4	0
Quality assurance plan for CEMS <sup>e</sup>	8	1	8	0
Notification of performance test <sup>g</sup>	2	1	2	0
Startup, shutdown, malfunction plan <sup>g</sup>	4	1	4	0
Annual performance test for Hg emissions <sup>f</sup>	8	1	8	17
Semiannual report of excess emissions <sup>h</sup>	8	2	16	4.2
<b>Subtotal for Reporting Requirements</b>				
5. Recordkeeping Requirements				
A. Familiarize with regulatory requirements	See 4A			
B. Plan activities	See 4A			
C. Implement activities	See 4A			
D. Develop record system	4	1	4	0
E. Time to enter information	0.5	52	26	21
F. Time to transmit or disclose information	0.25	2	0.5	21
G. Time to adjust existing ways	2	1	2	21
H. Time to train personnel	4	1	4	0
I. Time for audits	N/A			
<b>Subtotal for Recordkeeping Requirements</b>				
<b>TOTAL LABOR BURDEN AND COST (rounded) <sup>i</sup></b>				
<b>TOTAL CAPITAL AND O&amp;M COST (rounded) <sup>i</sup></b>				

<b>GRAND TOTAL (rounded) <sup>i</sup></b>				
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**Assumptions:**

- <sup>a</sup> We assume there are 21 existing facilities subject to the rule and no additional sources will become subject to the rule.
- <sup>b</sup> This ICR uses the following labor rates: \$141.06 per hour for Executive, Administrative, and Managerial labor; \$12 per hour for Clerical labor. These rates are from the United States Department of Labor, Bureau of Labor Statistics, June and Industry group.” The rates are from column 1, “Total Compensation.” The rates have been increased by 110 percent for those employed by private industry.
- <sup>c</sup> This ICR assumes all existing sources will have to familiarize with the regulatory requirements each year.
- <sup>d</sup> Rule will require operating CEMS, weekly sampling, and monthly sampling.
- <sup>e</sup> Assumes 4 roaster stacks will be equipped with mercury CEMS, and that QA plan has already been developed during construction.
- <sup>f</sup> We assume it will take 5 hours to test each stack and that each test will require 3 technicians to complete. 5 hours x 3 technicians = 15 hours calculates burden for Method 29 testing for 17 process units located outside of Nevada. Facilities in Nevada already subject to comply with the Nevada Division of Environmental Protection. Consequently, those facilities will not incur any additional burden.
- <sup>g</sup> These requirements apply only to new sources.
- <sup>h</sup> Assumes 20% of existing facilities (21 x 20% = 4.2 facilities) will need to submit excess emissions reports.
- <sup>i</sup> Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

0 CFR Part 63, Subpart EEEEEEE)

(E)	(F)	(G)	(H)
Technical person-hours per year (E=CxD)	Management person-hours per year (F=Ex0.05)	Clerical person-hours per year (G=Ex0.1)	Total Cost per year <sup>b</sup> , \$
168	8.4	16.8	\$22,375.92
365	18.25	36.5	\$48,614.35
884	44.2	88.4	\$117,739.96
255	12.75	25.5	\$33,963.45
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
136	6.8	13.6	\$18,113.84
67.2	3.36	6.72	\$8,950.37
<b>2,156</b>			<b>\$249,758</b>
0	0	0	\$0
546	27.3	54.6	\$72,721.74
10.5	0.53	1.05	\$1,398.50
42	2.1	4.2	\$5,593.98
0	0	0	\$0
<b>688</b>			<b>\$79,714</b>
<b>2,840</b>			<b>\$329,000</b>
			<b>\$227,000</b>

2019 Labor Rates	
Technical	\$120.27
Management	\$141.06
Clerical	\$58.67

responses      hr/response  
 25              114

			<b>\$556,000</b>
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le during the three-year period of this ICR.

\$0.27 per hour for Technical labor, and \$58.67 per  
2019, “Table 2. Civilian Workers, by Occupational  
cent to account for the benefit packages available to

ing initial rule compliance.

3 technicians = 15 hours/stack. This ICR only  
perform annual sampling and analysis for mercury  
ditional stack testing burden under this rule.

**Table 2: Average Annual EPA Burden and Cost – NESHAP for Gold Mine Ore Processing (Renewal)**

	(A)	(B)	(C)	(D)
Burden Item	EPA Person hours per occurrence	Occurrences per respondent	EPA Person-hours per plant (C=AxB)	Plants per year <sup>a</sup>
Observe performance test <sup>c</sup>	16	1	16	1
Report Review:				
Initial notification of applicability <sup>d</sup>	1	1	1	0
Notification of compliance status <sup>d</sup>	2	1	2	0
Notification of performance test <sup>d</sup>	2	1	2	0
Deviation reports	N/A			
Startup, shutdown, malfunction plan <sup>d</sup>	2	1	2	0
Semiannual excess emissions report <sup>e</sup>	1	2	2	4.2
Annual performance test report for Hg emission <sup>f</sup>	1	1	1	17
<b>TOTAL COST (rounded) <sup>g</sup></b>				

**Assumptions:**

<sup>a</sup> We assume there are 21 existing facilities subject to the rule and no additional sources will become subject to the rule.

<sup>b</sup> This ICR uses the following labor rates: \$66.62 for managerial, \$49.44 for technical, and \$26.75 for clerical labor. (OPM), 2019 General Schedule, which excludes locality rates of pay. The rates have been increased by 60 percent to employees.

<sup>c</sup> Assumes Agency staff will observe the performance test of one affected plant per year.

<sup>d</sup> These requirements apply only to new sources.

<sup>e</sup> Assumes 20% of existing facilities (21 x 20% = 4.2 facilities) will need to submit excess emissions reports.

<sup>f</sup> This ICR only calculates burden for Method 29 testing for 17 process units located outside of Nevada. Facilities in Nevada are required to comply with the Nevada Division of Environmental Protection. Consequently, those facilities will not incur the burden of Method 29 testing.

<sup>g</sup> Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

**(40 CFR Part 63, Subpart EEEEEEE)**

<b>(E)</b>	<b>(F)</b>	<b>(G)</b>	<b>(H)</b>
<b>Technical hours/year (E=CxD)</b>	<b>Management hours/year (F=Ex0.05)</b>	<b>Clerical-hours/year (G=Ex0.1)</b>	<b>Total Cost per year<sup>b</sup>, \$</b>
16	0.8	1.6	\$887.14
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
8.4	0.42	0.84	\$465.75
17	0.85	1.7	\$942.58
<b>48</b>			<b>\$2,300</b>

<b>Labor Rates</b>	
Technical	\$49.44
Management	\$66.62
Clerical	\$26.75

ile during the three-year period of this ICR.

These rates are from the Office of Personnel Management  
 account for the benefit packages available to government

Nevada already perform annual sampling and analysis for  
 ur any additional stack testing burden under this rule.