

**Table 1: Annual Respondent Burden and Cost – Emission Guidelines for Existing Other Solid V**

Burden item	(A)	(B)	(C)
	Person hours per occurrence	No. of occurrences per respondent per year	Person hours per respondent per year (C=AxB)
1. Applications	N/A		
2. Survey and Studies	N/A		
3. Reporting requirements			
A. Familiarization with the regulatory requirements <sup>c</sup>			
New sources	40	1	40
Existing sources	1	1	1
B. Required activities			
1) Initial performance test and reports			
a) Initial performance tests and test reports (PM, dioxins/furans, opacity, fugitives, HCl, Cd, Pb, Hg) <sup>d</sup>	24	1	24
b) Repeat of initial performance tests <sup>d, e</sup>	24	1	24
2) CEMS demonstration (CO, O <sub>2</sub> )			
a) Repeat of initial demonstration <sup>e</sup>	229	1	229
3) Annual performance tests and test reports (PM, dioxins/furans, opacity, fugitives, HCl, Cd, Pb, Hg)	24	1	24
4) Quarterly Appendix F audits of CEMS (CO)			
a) RATA audit (one per year) <sup>f</sup>	4	1	4
b) RAA audit (three per year) <sup>f</sup>	4	3	12
c) Daily calibration and operation <sup>f, g</sup>	1	250	250
C. Create information	See 3B		
D. Gather information	See 3E		
E. Report preparation			
1) Contract or secure alternative means of disposal <sup>d</sup>	40	1	40
2) Notification of final compliance <sup>d</sup>	1.5	1	1.5
3) Initial compliance report <sup>d</sup>	40	1	40
4) Waste management plan <sup>d</sup>	40	1	40
5) Annual compliance reports	40	1	40
6) Semiannual deviation reports	24	2	48
<b>Subtotal for Reporting Requirements</b>			
4. Recordkeeping requirements			
A. Read and understand rule requirement	See 3A		
B. Plan activities	See 3B		
C. Implement Activities	See 3B		
D. Develop record system	N/A		
E. Record information			
1) Records of SSM <sup>h</sup>	1.5	52	78
2) Records of emission rate computations, all emission exceedances and periods when there is no data <sup>h</sup>	1.5	52	78
3) Records of employee review of operations manual	4	1	4

4) Record of control device operating parameters <sup>h</sup>	1.5	52	78
F. Personnel training	N/A		
G. Time for audits	N/A		
<b>Subtotal for Recordkeeping Requirements</b>			
<b>TOTAL LABOR BURDEN AND COST (rounded<sup>d</sup>)</b>			
<b>Total Capital/O&amp;M Costs (rounded<sup>i</sup>)</b>			
<b>Grand Total (Labor and Capital/O&amp;M Costs) (rounded<sup>i</sup>)</b>			

**Assumptions:**

- <sup>a</sup> We have assumed that there are approximately 99 respondents, with no additional new or reconstructed sources becoming operational.
- <sup>b</sup> This ICR uses the following labor rates: \$112.98 (technical), \$149.35 (managerial), and \$54.81 (clerical). These rates are from the 2017, “Table 2. Civilian workers, by occupational and industry group.” The rates are from column 1, “Total compensation packages available to those employed by private industry.”
- <sup>c</sup> We assume existing sources will take one hour to re-familiarize with rule requirements.
- <sup>d</sup> We have assumed that all respondents have achieved final compliance for the emission guidelines.
- <sup>e</sup> We have assumed that 20 percent of respondents will repeat initial tests due to failure.
- <sup>f</sup> We have assumed that RATA audits are performed for one of the four quarterly audits, and RAA tests are performed for one of the four quarterly audits.
- <sup>g</sup> We have assumed that each operation day requires a CEMS calibration; Combustor models 2, 3, and 4 assume 250 days per year. Emission testing hours (0.25 hr/occurrence) accounts for periodic contractor operation at each site.
- <sup>h</sup> We have assumed that each respondent will record information 52 times per year.
- <sup>i</sup> Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.
- <sup>j</sup> Capital and O&M costs represent costs for CEMS.

**Waste Incineration Units (40 CFR Part 60, Subpart FFFF) (Renewal)**

(D)	(E)	(F)	(G)	(H)
Respondents per year <sup>a</sup>	Technical person- hours per year (E=CxD)	Management person hours per year (Ex0.05)	Clerical person hours per year (Ex0.1)	Total Cost Per year <sup>b</sup>
0	0	0	0	\$0
99	99	4.95	9.9	\$12,466.92
0	0	0	0	\$0
0	0	0	0	\$0
0	0	0	0	\$0
99	2376	118.8	237.6	\$299,206.12
99	396	19.8	39.6	\$49,867.69
99	1188	59.4	118.8	\$149,603.06
99	24750	1237.5	2475	\$3,116,730.38
0	0	0	0	\$0
0	0	0	0	\$0
0	0	0	0	\$0
0	0	0	0	\$0
99	3960	198	396	\$498,676.86
99	4752	237.6	475.2	\$598,412.23
		<b>43,149</b>		<b>\$4,724,963</b>
99	7722	386.1	772.2	\$972,419.88
99	7722	386.1	772.2	\$972,419.88
99	396	19.8	39.6	\$49,867.69

99	7722	386.1	772.2	\$972,419.88
	<b>27,096</b>			<b>\$2,967,127</b>
	<b>70,200</b>			<b>\$7,690,000</b>
				<b>\$495,000</b>
				<b>\$8,190,000</b>

236 hr/resp

ig subject to the rule over the next three years.

e from the United States Department of Labor, Bureau of Labor Statistics, June 1.” They have been increased by 110 percent to account for the benefit

three of the four quarterly audits.

of operation per year, Model 1 = 121 days/yr. For consistency, 250 operating and maintenance support. Annual hours averaged to a daily basis.

**Table 2: Average Annual EPA Burden and Cost – Emission Guidelines for Existing**

Activity	(A)	(B)	(C)
	EPA person-hours per occurrence	No. of occurrences per plant per year	EPA person-hours per plant per year (C=AxB)
1. Applications	N/A		
2. Familiarization with rule requirements	N/A		
3. Required activities			
A. Create information	N/A		
B. Gather information	See 3A		
C. Report reviews			
1) Notification of final compliance <sup>c</sup>	1.5	1	1.5
2) Review initial compliance test report <sup>c</sup>	40	1	40
3) Review annual compliance report	40	1	40
4) Review semiannual deviation reports	16	2	32
5) Review waste management plan <sup>c</sup>	16	1	16
D. Annual summary report <sup>d</sup>	4	1	4
<b>TOTAL ANNUAL BURDEN AND COST (rounded)<sup>e</sup></b>			

**Assumptions:**

<sup>a</sup> We have assumed that there are approximately 99 respondents, with no additional new or reconstructed so respondents have achieved final compliance for the emission guidelines.

<sup>b</sup> This ICR uses the following labor rates: \$48.08 (technical), \$64.80 (managerial), and \$26.02 (clerical). Tl Schedule, which excludes locality rates of pay. The rates have been increased by 60 percent to account for t

<sup>c</sup> We have assumed that this is a one-time only cost.

<sup>d</sup> We have assumed that all affected facilities in the states will be required to prepare an annual summary pla

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

**Other Solid Waste Incineration Units (40 CFR Part 60, Subpart FFFF) (Renewal)**

48.08                      64.8                      26.02

(D)	(E)	(F)	(G)	(H)
Plants per year <sup>a</sup>	Technical person- hours per year (E=CxD)	Management person-hours per year (Ex0.05)	Clerical person-hours per year (Ex0.1)	Cost, \$ <sup>b</sup>
0	0	0	0	\$0
0	0	0	0	\$0
99	3960	198	396	\$213,531.12
99	3168	158.4	316.8	\$170,824.90
0	0	0	0	\$0
99	396	19.8	39.6	\$21,353.11
	<b>8,650</b>			<b>\$406,000</b>

ources becoming subject to the rule over the next three years. We assume that all

hese rates are from the Office of Personnel Management (OPM), 2017 General  
he benefit packages available to government employees.

iii.

**Capital/Startup vs. Operation and Maintenance (**

(A) Continuous Monitoring Device	(B) Capital/Startup Cost for One Respondent	(C) Number of New Respondents	(D) Total Capital/Startup Cost, (B X C)	(E) Annual O&M Costs for One Respondent
Continuous emission monitoring system	\$44,445	0	\$0	\$5,000
Total			\$0	

Annual operation and maintenance costs are the ongoing costs to maintain the monitor(

<b>(O&amp;M) Costs</b>	
(F) Number of Respondents with O&M	(G) Total O&M, (E X F)
99	\$495,000
	\$495,000

s) and other costs such as photocopying and postage.