

<b>Category</b>	<b>Number of Respondents</b>	<b>Respondent Labor Hours</b>	<b>Respondent Labor Cost</b>	<b>Capital &amp; O&amp;M Cost</b>	<b>Number of Responses</b>
Private	3.33	11,700	\$ 1,180,000	\$150,000	8
State & Local Government	1	3,300	\$ 330,000	\$38,000	3
<b>Total (rounded)</b>	<b>4.33</b>	<b>15,000</b>	<b>\$ 1,510,000</b>	<b>\$ 188,000</b>	<b>11</b>

Table 1: Annual Respondent Burden and Cost – NSPS for Small Municipal Waste Combustors (40 CFR Part 6 AAAA) (Renewal)

Burden Item	(A)	(B)	(C)	(D)
	Respondent Hours Per Occurrence	Number of Occurrences Per Respondent Per Year	Person Hours Per Respondent Per Year (AxB)	Number of Respondents Per Year <sup>a</sup>
1. Applications	N/A			
2. Surveys and Studies	N/A			
<b>3. Reporting Requirements for Private Sources</b>				
A. Read and Understand Rule Requirements				
1) New Sources	40	1	40	0.33
2) Existing Sources	1	1	1	3
B. Required Activities				
1) Initial performance tests and reports (PM, dioxins/furans, opacity, fugitives, HCl, Cd, Pb, Hg)	775	1	775	0.33
2) CEMS demonstration (SO <sub>2</sub> , NO <sub>x</sub> , opacity, CO, CO <sub>2</sub> , O <sub>2</sub> )				
a) Installation of CEM units	225	1	225	0.33
b) Initial demonstration	450	1	450	0.33
3) Annual performance tests and test reports (PM, dioxins/furans, opacity, fugitives, HCl, Cd, Pb, Hg)	775	1	775	3.33
4) Quarterly Appendix F audits of CEMS (SO <sub>2</sub> , NO <sub>x</sub> , CO)				
a) RATA audit (one per year) <sup>c, d, g</sup>	350	1.46	511	3.33
b) RAA audit (three per year) <sup>e, g</sup>	130	4.38	569.4	3.33
c) Daily calibration and operation <sup>f</sup>	1	532.9	532.9	3.33
C. Create Information	See 3B			
D. Gather Information	See 3E			
E. Report Preparation				
1) Plant startup				
a) Preliminary and final material separation plans and siting analysis	270	1	270	0.33
b) Public meeting and comment response	140	1	140	0.33
c) Notification of construction	2	1	2	0.33
d) Notification of startup	2	1	2	0.33
2) Notification of initial performance tests	4	1	4	0.33
3) Initial compliance reports	40	1	40	0.33
4) Notification of CEMS demonstration	4	1	4	0.33

5) Initial CEMS demonstration report	40	1	40	0.33
6) Annual compliance reports <sup>c</sup>	40	1.46	58.40	3.33
7) Semi-annual excess emission reports <sup>i</sup>	40	2	80	0.5
<b>Subtotal Reporting Requirements (Private Sources)</b>				
<b>3. Reporting Requirements for State/Local Government Sources</b>				
A. Read and Understand Rule Requirements				
1) New Sources	40	1	40	0
2) Existing Sources	1	1	1	1
B. Required Activities				
1) Initial performance tests and reports (PM, dioxins/furans, opacity, fugitives, HCl, Cd, Pb, Hg)	775	1	775	0
2) CEMS demonstration (SO <sub>2</sub> , NO <sub>x</sub> , opacity, CO, CO <sub>2</sub> , O <sub>2</sub> )				
a) Installation of CEM units	225	1	225	0
b) Initial demonstration	450	1	450	0
3) Annual performance tests and test reports (PM, dioxins/furans, opacity, fugitives, HCl, Cd, Pb, Hg)	775	1	775	1
4) Quarterly Appendix F audits of CEMS (SO <sub>2</sub> , NO <sub>x</sub> , CO)				
a) RATA audit (one per year) <sup>c, d, g</sup>	350	1.46	511	1
b) RAA audit (three per year) <sup>e, g</sup>	130	4.38	569.4	1
c) Daily calibration and operation <sup>f</sup>	1	532.9	532.9	1
C. Create Information	See 3B			
D. Gather Information	See 3E			
E. Report Preparation				
1) Plant startup				
a) Preliminary and final material separation plans and siting analysis	270	1	270	0
b) Public meeting and comment response	140	1	140	0
c) Notification of construction	2	1	2	0
d) Notification of startup	2	1	2	0
2) Notification of initial performance tests	4	1	4	0
3) Initial compliance reports	40	1	40	0
4) Notification of CEMS demonstration	4	1	4	0
5) Initial CEMS demonstration report	40	1	40	0
6) Annual compliance reports <sup>c</sup>	40	1.46	58.4	1
7) Semi-annual excess emission reports <sup>i</sup>	40	2	80	0.5
<b>Subtotal Reporting Requirements (State/Local Government Sources)</b>				
<b>Total Reporting Requirements for Private and State/Local Government Sources</b>				
<b>4. Recordkeeping Requirements for Private Sources</b>				
A. Read and Understand Rule Requirements	See 3A			

B. Plan Activities	See 3B			
C. Implement Activities	See 3B			
D. Develop Record System	N/A			
E. Record information				
1) Record startups, shutdowns, and malfunctions <sup>h</sup>	4	47	188	3.33
2) Records of all emission rates, computations, tests <sup>h</sup>	4	47	188	3.33
3) Records of employee review of operations manual	4	1	4	3.33
4) Record amount of sorbent used for Hg and dioxin/furan control	4	4	16	3.33
F. Personnel Training	N/A			
G. Time for audits	N/A			
<b>Subtotal Recordkeeping Requirements (Private Sources)</b>				
<b>4. Recordkeeping Requirements for State/Local Government Sources</b>				
A. Read and Understand Rule Requirements	See 3A			
B. Plan Activities	See 3B			
C. Implement Activities	See 3B			
D. Develop Record System	N/A			
E. Record information				
1) Record startups, shutdowns, and malfunctions <sup>h</sup>	4	47	188	1
2) Records of all emission rates, computations, tests <sup>h</sup>	4	47	188	1
3) Records of employee review of operations manual	4	1	4	1
4) Record amount of sorbent used for Hg and dioxin/furan control	4	4	16	1
F. Personnel Training	N/A			
G. Time for audits	N/A			
<b>Subtotal Recordkeeping Requirements (State/Local Government Sources)</b>				
<b>Total Recordkeeping Requirements for Private and State/Local Government Sources</b>				
<b>TOTAL LABOR BURDEN AND COST (rounded)</b> <sup>j</sup>				
<b>Total Capital/O&amp;M Costs (rounded)<sup>j</sup></b>				
<b>Grand Total (Labor and Capital/O&amp;M Costs)(rounded)<sup>j</sup></b>				

## **ASSUMPTIONS**

<sup>a</sup> We have assumed that the average number of respondents that will be subject to the rule will be 4.33. There will be on rule over the three-year period of this ICR.

<sup>b</sup> This ICR uses the following labor rates: \$129.93 per hour for Executive, Administrative, and Managerial labor; \$103.9 labor. These rates are from the United States Department of Labor, Bureau of Labor Statistics, June 2014 “Table 2. Civilian Compensation by Industry and Occupation.” The rates have been increased by 110% to account for the benefit packages a

<sup>c</sup> There are an average of 1.3 affected facilities (i.e., sources or units) per respondent [6.33 facilities at 4.33 plants = 1.46]

<sup>d</sup> Relative accuracy test audits (RATA) occur once per year for each affected facility (1 x 1.46 = 1.46).

<sup>e</sup> Relative accuracy audits (RAA) occur three times per year for each affected facility (3 x 1.46 = 4.38).

<sup>f</sup> Daily calibration and operation data occurs daily (365 x 1.46 = 532.9).

<sup>g</sup> RATA audits are performed for one of the four quarterly audits. RAA tests are performed for three of the four quarters required because tests on SO<sub>2</sub> and CO monitors will incorporate the use of the diluent monitor.

<sup>h</sup> Assumes 47 weeks of operation (90 percent availability) per year per facility.

<sup>i</sup> Assumes a total of 2 semiannual excess emission reports (1 report for a privately-owned source and 1 report for a state/

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

0, Subpart

(E)	(F)	(G)	(H)
Technical Hours Per Year (Cx D)	Management Hours Per Year (Ex0.05)	Clerical Hours Per Year (Ex0.1)	Total Cost Per Year, \$ <sup>b</sup>
13.2	0.66	1.32	\$1,526.52
3	0.15	0.3	\$346.94
255.75	12.79	25.58	\$29,576.34
74.25	3.71	7.43	\$8,586.68
148.5	7.43	14.85	\$17,173.36
2580.75	129.04	258.08	\$298,452.12
1701.63	85.08	170.16	\$196,785.85
1896.10	94.81	189.61	\$219,275.66
1774.56	88.73	177.46	\$205,219.53
89.1	4.46	8.91	\$10,304.01
46.2	2.31	4.62	\$5,342.82
0.66	0.03	0.07	\$76.33
0.66	0.03	0.07	\$76.33
1.32	0.07	0.13	\$152.65
13.2	0.66	1.32	\$1,526.52
1.32	0.07	0.13	\$152.65

Category	# Respondents per year
Private (New)	0.33
Private (Existing)	3
Private (Total)	3.33
Public (Existing)	1
Total	4.33

13.2	0.66	1.32	\$1,526.52
194.47	9.72	19.45	\$22,489.81
40	2	4	\$4,625.82
<b>10,175</b>			<b>\$1,023,216</b>
0	0	0	\$0.00
1	0.05	0.1	\$115.65
0	0	0	\$0.00
0	0	0	\$0.00
0	0	0	\$0.00
775	38.75	77.5	\$89,625.26
511	25.55	51.1	\$59,094.85
569.4	28.47	56.94	\$65,848.55
532.9	26.65	53.29	\$61,627.49
0	0	0	\$0.00
0	0	0	\$0.00
0	0	0	\$0.00
0	0	0	\$0.00
0	0	0	\$0.00
0	0	0	\$0.00
0	0	0	\$0.00
0	0	0	\$0.00
58.4	2.92	5.84	\$6,753.70
40	2	4	\$4,625.82
<b>2,861</b>			<b>\$287,691</b>
<b>13,036</b>			<b>\$1,310,908</b>

626.04	31.30	62.60	\$72,398.71
626.04	31.30	62.60	\$72,398.71
13.32	0.67	1.33	\$1,540.40
53.28	2.66	5.33	\$6,161.59
<b>1,516</b>			<b>\$152,499</b>
188	9.4	18.8	\$21,741.35
188	9.4	18.8	\$21,741.35
4	0.2	0.4	\$462.58
16	0.8	1.6	\$1,850.33
<b>455</b>			<b>\$45,796</b>
<b>1972</b>			<b>\$198,295</b>
<b>15,000</b>			<b>\$1,510,000</b>
			<b>\$188,000</b>
			<b>\$1,700,000</b>

ie additional new private source that will become subject to the



\$17 per hour for Technical labor, and \$51.79 per hour for Clerical  
lian Workers, by Occupational and Industry Group.” The rates  
available to those employed by private industry.

5 (Rounded)].

y audits. Audits of the diluent monitor (O<sub>2</sub> or CO<sub>2</sub>) are not

local government-owned source).

Table 2: Average Annual EPA Burden and Cost – NSPS for Small Municipal Waste Combustors (40 CFR Part

Burden Item	(A)	(B)	(C)	(D)
	EPA Hours Per Occurrence	Number of Occurrences Per Year	EPA Person Hours Per Year (AxB)	Respondents Per Year <sup>a</sup>
1. Applications	N/A			
2. Read and Understand Rule Requirements	40	0	0	0
A. Create Information	0	0	0	0
B. Gather Information	0	0	0	0
C. Report Reviews				
1) Review preliminary and final material separation plans and siting analysis	8	1	8	0.33
2) Review notification of construction	2	1	2	0.33
3) Review notification of startup	2	1	2	0.33
4) Review notification of initial performance test	8	1	8	0.33
5) Review notification of initial CEMS demonstration	4	1	4	0.33
6) Review initial performance test report	40	1	40	0.33
7) Review initial CEMS demonstration report	40	1	40	0.33
8) Review annual compliance report	70	1	70	4.33
9) Review semi-annual excess emission report <sup>c</sup>	16	2	32	1
D. Prepare annual summary report	200	1	200	1
<b>TOTAL ANNUAL BURDEN AND COST (rounded) <sup>d</sup></b>				

**ASSUMPTIONS**

<sup>a</sup> We have assumed that the average number of respondents that will be subject to the rule will be 4.33. There will be one rule over the three-year period of this ICR.

<sup>b</sup> This cost is based on the following labor rates: Managerial rate of \$62.90 (GS-13, Step 5, \$39.31 + 60%), Technical rate \$25.25 (GS-6, Step 3, \$15.78 + 60%). These rates are from the Office of Personnel Management (OPM), “2014 General S been increased by 60 percent to account for the benefit packages available to government employees.

<sup>c</sup> Assumes a total of 2 excess emissions reports from all affected facilities.

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

60, Subpart AAAA) (Renewal)

(E)	(F)	(G)	(H)
Tech Hours Per Year (Cx D)	Management Hours Per Year (F=Ex0.05)	Clerical Hours Per Year (G=Ex0.1)	EPA Cost Per Year, \$ <sup>b</sup>
0	0	0	\$0.00
0	0	0	\$0.00
0	0	0	\$0.00
2.64	0.13	0.26	\$138.18
0.66	0.03	0.07	\$34.54
0.66	0.03	0.07	\$34.54
2.64	0.13	0.26	\$138.18
1.32	0.07	0.13	\$69.09
13.2	0.66	1.32	\$690.89
13.2	0.66	1.32	\$690.89
303.1	15.16	30.31	\$15,864.25
32	1.6	3.2	\$1,674.88
200	10	20	\$10,468.00
<b>655</b>			<b>\$29,800</b>

additional new private source that will become subject to the

of \$46.67 (GS-12, Step 1, \$29.17 + 60%), and Clerical rate of "schedule" which excludes locality rates of pay. The rates have