

Table 1a: Annual Privately-Owned Respondent Burden and Cost – Emission Guidelines for La

Burden Item	(A) Respondent Person Hours Per Occurrence	(B) Contractor Person Hours Per Occurrence	(C) Number of Occurrences Per Respondent Per Year	(D) Hours Per Respondent Per Year (D=AxC)	(E) Number of Respondents Per Year ^a
1.) Applications	N/A				
2.) Surveys and Studies	N/A				
3.) Reporting Requirements					
A. Familiarize with Regulatory Requirements ^c	40	0	1	40	31
B. Required Activities					
1) Initial performance tests and reports					
a) Initial performance tests and test reports (PM, dioxins/furans, opacity, fugitives, HCl, Cd, Pb, Hg)	24	750	1	24	0
b) Repeat of Initial performance tests ^d	24	750	1	24	0
2) CEMS demonstration (SO ₂ , NO _x , opacity, CO, CO ₂ , O ₂)					
a) Installation of CEM units	24	200	1	24	0
b) Initial demonstration	24	430	1	24	0
c) Repeat of initial demonstration ^d	24	430	1	24	0
3) Annual performance tests and test reports (PM, dioxins/furans, opacity, fugitives, HCl, Cd, Pb, Hg)					
a) Plants that do not qualify for reduced D/F testing with 2 units	24	1,500	1	24	1
b) Plants that do not qualify for reduced D/F testing with 3 units	24	2,250	1	24	2
c) Plants that qualify for reduced D/F testing with 2 units	24	1,428	1	24	13
d) Plants that qualify for reduced D/F testing with 3 units	24	2,106	1	24	15
4) Quarterly Appendix F audits of CEMS (SO ₂ , NO _x , CO)					
a) RATA audit (one per year) ^e	8	350	1	8	80
b) RAA audit (three per year) ^e	8	130	3	24	80
c) Daily calibration and operation	1	0	365	365	80
C. Create Information	See 3B				
D. Gather Information	See 3E				
E. Report Preparation					
1) Plant startup					
a) Control plan	40	0	1	40	0
b) Notification of contract awards	4	0	1	4	0
c) Notification of on-site construction start	4	0	1	4	0
d) Notification of construction completion	4	0	1	4	0
e) Notification of final compliance	4	0	1	4	0
2) Notification of initial performance tests	4	0	1	4	0
3) Initial compliance reports	40	0	1	40	0
4) Notification of CEMS demonstration	4	0	1	4	0

5) Initial CEMS demonstration report	90	0	1	90	0
6) Annual compliance reports	40	0	1	40	31
7) Semi-annual excess emission reports ^f	40	0	2	80	6
Subtotal for Reporting					
4.) Recordkeeping Requirements					
A. Familiarize with Regulatory Requirements ^c	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 ^g	4	0	47	188	80
2) Records of all emission rates, computations, tests ^g	4	0	47	188	80
3) Records of employee review of operations manual	4	0	1	4	31
4) Record amount of sorbent used for Hg and dioxin/furan control ^h	4	0	4	16	80
F. Personnel training	N/A				
G. Time for audits	N/A				
Subtotal for Recordkeeping					
TOTAL LABOR BURDEN AND COST (Rounded)ⁱ					
Capital and O&M Cost					
GRAND TOTAL					

Assumptions:

- ^a Assume 162 large MWC units at 63 plants, 49 percent of which are privately owned.
- ^b This ICR uses the following labor rates: \$129.93 per hour for Executive, Administrative, and Managerial labor; \$103.97 per hour for Technical labor,
- ^c This ICR assumes all respondents will have to familiarize with regulatory requirements
- ^d Assume 20 percent of reporting plants must repeat initial tests due to failure at one unit at the plant.
- ^e RATA audits are performed for one of the four quarterly audits. RAA tests are performed for three of the four quarterly audits. Audits of the diluent
- ^f Assume 20 percent of affected plants must submit two semiannual reports per year due to exceeding one or more pollutant emission limits.
- ^g Based on weekly recordkeeping, we assume 47 weeks of operation (90 percent availability) per year per MWC.
- ^h Based on quarterly calculation of sorbent use for entire plant, regardless of the number of affected facilities at the plant.
- ⁱ Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding

0	0	0	0	\$0
1,240	62	124	0	\$143,400.42
480	24	48	0	\$55,509.84
156,138				\$24,409,324
15,040	752	1,504	0	\$1,739,308.32
15,040	752	1,504	0	\$1,739,308.32
124	6.2	12.4	0	\$14,340.04
1,280	64	128	0	\$148,026.24
36,207				\$3,505,838
192,000				\$27,900,000
				\$768,000
				\$28,700,000

397,080

and \$51.79 per hour for Clerical labor. These rates are from the United States Department of Labor, Bureau of labor Statistics, June 2014, Table 2 Civ

monitor (O2 or CO2) are not required because tests on SO2 and CO monitors will incorporate the use of the diluent monitor.

60, Subpart Cb) (Renewal)

ilian Workers by occupational and industry group, The rates are from column 1, "Total compensation." The rates have been increased by 110 percent

t to account for the benefit packages available to those employed by private industry. The contractor rate was derived by taking the contractor rate us

ed in the previous ICR and multiplying by the average increase in managerial, technical, and clerical rates since the previous ICR.

Table 1b: Annual Publicly-Owned Respondent Burden and Cost – Emission Guidelines for La

Burden Item	(A) Respondent Person Hours Per Occurrence	(B) Contractor Person Hours Per Occurrence	(C) Number of Occurrences Per Respondent Per Year	(D) Hours Per Respondent Per Year (D=AxC)	(E) Number of Respondents Per Year ^a
1.) Applications	N/A				
2.) Surveys and Studies	N/A				
3.) Reporting Requirements					
A. Familiarize with Regulatory Requirements	40	0	1	40	32
B. Required Activities					
1) Initial performance tests and reports					
a) Initial performance tests and test reports (PM, dioxins/furans, opacity, fugitives, HCl, Cd, Pb, Hg)	24	750	1	24	0
b) Repeat of Initial performance tests ^c	24	750	1	24	0
2) CEMS demonstration (SO ₂ , NO _x , opacity, CO, CO ₂ , O ₂)					
a) Installation of CEM units	24	200	1	24	0
b) Initial demonstration	24	430	1	24	0
c) Repeat of initial demonstration ^c	24	430	1	24	0
3) Annual performance tests and test reports (PM, dioxins/furans, opacity, fugitives, HCl, Cd, Pb, Hg)					
a) Plants that do not qualify for reduced D/F testing with 2 units	24	1,500	1	24	3
b) Plants that do not qualify for reduced D/F testing with 3 units	24	2,250	1	24	2
c) Plants that qualify for reduced D/F testing with 2 units	24	1,428	1	24	14
d) Plants that qualify for reduced D/F testing with 3 units	24	2,106	1	24	16
4) Quarterly Appendix F audits of CEMS (SO ₂ , NO _x , CO)					
a) RATA audit (one per year) ^d	8	350	1	8	82
b) RAA audit (three per year) ^d	8	130	3	24	82
c) Daily calibration and operation	1	0	365	365	82
C. Create Information	See 3B				
D. Gather Information	See 3E				
E. Report Preparation					
1) Plant startup					
a) Control plan	40	0	1	40	0
b) Notification of contract awards	4	0	1	4	0
c) Notification of on-site construction start	4	0	1	4	0
d) Notification of construction completion	4	0	1	4	0
e) Notification of final compliance	4	0	1	4	0
2) Notification of initial performance tests	4	0	1	4	0
3) Initial compliance reports	40	0	1	40	0
4) Notification of CEMS demonstration	4	0	1	4	0

5) Initial CEMS demonstration report	90	0	1	90	0
6) Annual compliance reports	40	0	1	40	32
7) Semi-annual excess emission reports ^e	40	0	2	80	6.4
Subtotal for Reporting					
4.) Recordkeeping Requirements					
A. Familiarize with Regulatory 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 ^f	4	0	47	188	82
2) Records of all emission rates, computations, tests ^f	4	0	47	188	82
3) Records of employee review of operations manual	4	0	1	4	32
4) Record amount of sorbent used for Hg and dioxin/furan control ^g	4	0	4	16	82
F. Personnel training	N/A				
G. Time for audits	N/A				
Subtotal for Recordkeeping					
TOTAL LABOR BURDEN AND COST (Rounded)^h					
Capital and O&M Cost					
GRAND TOTAL					

Assumptions:

- ^a Assume 162 large MWC units at 63 plants, 49 percent of which are privately owned.
- ^b This ICR uses the following labor rates: \$129.93 per hour for Executive, Administrative, and Managerial labor; \$103.97 per hour for Technical labor.
- ^c This ICR assumes all respondents will have to familiarize with regulatory requirements.
- ^d Assume 20 percent of reporting plants must repeat initial tests due to failure at one unit at the plant.
- ^e RATA audits are performed for one of the four quarterly audits. RAA tests are performed for three of the four quarterly audits. Audits of the diluent are performed for all four quarterly audits.
- ^f Assume 20 percent of affected plants must submit two semiannual reports per year due to exceeding one or more pollutant emission limits.
- ^g Based on weekly recordkeeping, we assume 47 weeks of operation (90 percent availability) per year per MWC.
- ^h Based on quarterly calculation of sorbent use for entire plant, regardless of the number of affected facilities at the plant.
- ⁱ Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

0	0	0	0	\$0
1,280	64	128	0	\$148,026.24
512	25.6	51.2	0	\$59,210.50
165,304				\$25,936,065
15416	770.8	1541.6	0	\$1,782,791.03
15416	770.8	1541.6	0	\$1,782,791.03
128	6.4	12.8	0	\$14,802.62
1312	65.6	131.2	0	\$151,726.90
37,113				\$3,732,112
202,000				\$29,700,000
				\$787,000
				\$30,500,000

r, and \$51.79 per hour for Clerical labor. These rates are from the United States Department of Labor, Bureau of labor Statistics, June 2014, Tabl

t monitor (O2 or CO2) are not required because tests on SO2 and CO monitors will incorporate the use of the diluent monitor.

Part 60, Subpart Cb) (Renewal)

e 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. The contractor rate was derived by taking the contractor

rate used in the previous ICR and multiplying by the average increase in managerial, technical, and clerical rates since the previous ICR.

Table 1c: Average Annual Designated Administrator Burden and Cost – Emission Guide

46.67 62.9

Burden Item	(A) Number of Occurrences Per Year ^a	(B) Administrator Hours Per Occurrence	(C) Technical Hours Per Year (C=AxB)	(D) Management Hours Per Year (D=Cx0.05)
1.) Applications	N/A			
2.) Familiarize with Regulatory Requirements ^c	1	40	40	2
3.) Required Activities				
A. Observe initial performance tests				
1) Initial performance tests and test reports (PM, dioxins/furans, opacity, fugitives, HCl, Cd, Pb, Hg) ^d	0	48	0	0
2) Repeat of initial performance tests ^e	0	10	0	0
B. Excess emissions -- enforcement activities ^f	11	24	264	13.2
C. Create Information				
D. Gather Information				
E. Report Reviews				
1) Control plan	0	8	0	0
2) Notification of contract awards	0	8	0	0
3) Notification of on-site construction start	0	8	0	0
4) Notification of construction completion	0	8	0	0
5) Notification of final compliance	0	8	0	0
6) Review notification of initial performance test	0	8	0	0
7) Review notification of initial CEMS demonstration	0	4	0	0
8) Review initial performance test report	0	40	0	0
9) Review initial CEMS demonstration report	0	40	0	0
10) Review annual compliance report ^g	55	40	2,200	110
11) Review semi-annual excess emission report ^f	11	16	176	8.8
F. Prepare annual summary report	0	200	0	0
TOTAL ANNUAL BURDEN AND COST (rounded)^h				3,080

Assumptions:

- ^a Assume 144 affected units as 55 plants in 18 states.
- ^b The cost is based on the following labor rates which incorporates a 1.6 benefits multiplication factor to account for government overhead ex
- ^c This ICR assumes all respondents will have to familiarize with regulatory requirements
- ^d Assume EPA personnel attend about 8 percent of tests (145 units tested x 8 percent attended =12)
- ^e Assume a 20 percent failure rate and that EPA personnel attend 10 percent of the retests (7 units tested *20 percent failure* 10 percent retests)
- ^f Assume 20 percent of affected plants must submit two semiannual reports per year due to exceeding one or more pollutant emission limits.
- ^g Burden not incurred until second year of operation and later.
- ^h Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding

lines for Large Municipal Waste Combustors Constructed on or Before September 20, 199

25.25

(E) Clerical Hours Per Year (E=Cx0.1)	(F) Administrator Costs Per Year ^b
4	\$2,093.60
0	\$0
0	\$0
26.4	\$13,817.76
0	\$0
0	\$0
0	\$0
0	\$0
0	\$0
0	\$0
0	\$0
0	\$0
0	\$0
0	\$0
0	\$0
220	\$115,148.00
17.6	\$9,211.84
0	\$0
	\$140,000

expenses \$62.27 Managerial rate (GS-13, Step 5, \$38.92 x 1.6), \$46.21 Technical rate (GS-12, Step 1, \$28.88 x 1.6), and \$25.01 Clerical rate (GS-

ts attended = 1).

14 (40 CFR Part 60, Subpart Cb) (Renewal)

5-6, Step 3, \$15.63 x 1.6). These rates are from the Office of Personnel Management (OPM) 2014 General Schedule, which excludes locality rates of |

pay.

Table 2: Average Annual EPA Burden and Cost – Emission Guidelines for Large Munici

46.67

62.9

Burden Item	(A) Number of Occurrences Per Year ^a	(B) Administrator Hours Per Occurrence	(C) Technical Hours Per Year (C=AxB)	(D) Management Hours Per Year (D=Cx0.05)
1.) Applications	N/A			
2.) Familiarize with Regulatory Requirements	0	40	0	0
3.) Required Activities				
A. Observe initial performance tests				
1) Initial performance tests and test reports (PM, dioxins/furans, opacity, fugitives, HCl, Cd, Pb, Hg) ^c	0	48	0	0
2) Repeat of initial performance tests ^d	0	10	0	0
B. Excess emissions -- enforcement activities ^e	1.6	24	38.4	1.92
C. Create Information				
D. Gather Information				
E. Report Reviews				
1) Control plan	0	8	0	0
2) Notification of contract awards	0	8	0	0
3) Notification of on-site construction start	0	8	0	0
4) Notification of construction completion	0	8	0	0
5) Notification of final compliance	0	8	0	0
6) Review notification of initial performance test	0	8	0	0
7) Review notification of initial CEMS demonstration	0	4	0	0
8) Review initial performance test report	0	40	0	0
9) Review initial CEMS demonstration report	0	40	0	0
10) Review annual compliance report ^f	8	40	320	16
11) Review semi-annual excess emission report ^e	1.6	16	25.6	1.28
F. Prepare annual summary report	0	200	0	0
TOTAL ANNUAL BURDEN AND COST (rounded)^h				442

Assumptions:

- ^a. Assumes 18 affected units at 8 plants in 4 states.
- ^b. The cost is based on the following labor rates which incorporates a 1.6 benefits multiplication factor to account for government overhead e:
- ^c. Assume EPA personnel attend about 8 percent of tests (22 units tested x 8 percent attended = 2).
- ^d. Assume a 20 percent failure rate and that EPA personnel attend 10 percent of the retests (7 units tested *20 percent failure* 10 percent retest).
- ^e. Assumes 20 percent of affected plants must submit two semiannual reports per year due to exceeding one or more pollutant emission limits
- ^f. Burden not incurred until second year of operation and later.

pal Waste Combustors Constructed on or Before September 20, 1994 (40 CFR Part 60, Su

25.25

(E) Clerical Hours Per Year (E=Cx0.1)	(F) Administrator Costs Per Year ^b
0	\$0
0	\$0
0	\$0
3.84	\$2,009.86
0	\$0
0	\$0
0	\$0
0	\$0
0	\$0
0	\$0
0	\$0
0	\$0
0	\$0
0	\$0
0	\$0
0	\$0
32	\$16,748.80
2.56	\$1,339.90
0	\$0
	\$20,100

xpenses \$62.27 Managerial rate (GS-13, Step 5, \$38.92 x 1.6), \$46.21 Technical rate (GS-12, Step 1, \$28.88 x 1.6), and \$25.01 Clerical rate (G:

sts attended = 1)

part Cb) (Renewal)

S-6, Step 3, \$15.63 x 1.6). These rates are from the Office of Personnel Management (OPM) 2014 General Schedule, which excludes locality rates of

pay.