

| Category | Number of Respondents | Respondent Labor Hours | Respondent Labor Cost | Capital & O&M Cost | Number of Responses |
|--------------------------|------------------------------|-------------------------------|------------------------------|-----------------------------------|----------------------------|
| Private | 4.33 | 14,500 | \$ 1,650,000 | \$188,000 | 9 |
| State & Local Government | 1 | 3,200 | \$ 150,000 | \$19,000 | 3 |
| Total (rounded) | 5.33 | 17,700 | \$ 1,800,000 | \$ 207,000 | 12 |

Table 1: Annual Respondent Burden and Cost - NSPS for Small Municipal Waste Combustors (40 CFR Part 60, 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 ^a |
| 1. Applications | N/A | | | |
| 2. Surveys and Studies | N/A | | | |
| 3. Reporting Requirements for Private Sources ^b | | | | |
| A. Familiarization with rule requirements | | | | |
| 1) New Sources | 40 | 1 | 40 | 0.33 |
| 2) Existing Sources | 1 | 1 | 1 | 4 |
| 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 ₂ , NO _x , opacity, CO, CO ₂ , O ₂) | | | | |
| 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 | 4.33 |
| 4) Quarterly Appendix F audits of CEMS (SO ₂ , NO _x , CO) | | | | |
| a) RATA audit (one per year) ^{d, e, h} | 350 | 1.38 | 483 | 4.33 |
| b) RAA audit (three per year) ^{f, h} | 130 | 4.14 | 538.2 | 4.33 |
| c) Daily calibration and operation ^g | 1 | 503.7 | 503.7 | 4.33 |
| 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 ^d | 40 | 1.38 | 55.20 | 4.33 |
| 7) Semi-annual excess emission reports ⁱ | 40 | 2 | 80 | 0.5 |
| Subtotal Reporting Requirements (Private Sources) | | | | |

| | | | | |
|--|--------|-------|-------|------|
| 3. Reporting Requirements for State/Local Government Sources ^c | | | | |
| A. Familiarization with 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 ₂ , NO _x , opacity, CO, CO ₂ , O ₂) | | | | |
| 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 ₂ , NO _x , CO) | | | | |
| a) RATA audit (one per year) ^{d, e, h} | 350 | 1.38 | 483 | 1 |
| b) RAA audit (three per year) ^{f, h} | 130 | 4.14 | 538.2 | 1 |
| c) Daily calibration and operation ^g | 1 | 503.7 | 503.7 | 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 ^d | 40 | 1.38 | 55.2 | 1 |
| 7) Semi-annual excess emission reports ⁱ | 40 | 2 | 80 | 0.5 |
| Subtotal Reporting Requirements (State/Local Government Sources) | | | | |
| Total Reporting Requirements for Private and State/Local Government Sources | | | | |
| 4. Recordkeeping Requirements for Private Sources ^b | | | | |
| A. Familiarization with 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 ^j | 4 | 47 | 188 | 4.33 |
| 2) Records of all emission rates, computations, tests ^j | 4 | 47 | 188 | 4.33 |

| | | | | |
|--|--------|----|-----|------|
| 3) Records of employee review of operations manual | 4 | 1 | 4 | 4.33 |
| 4) Record amount of sorbent used for Hg and dioxin/furan control | 4 | 4 | 16 | 4.33 |
| F. Personnel Training | N/A | | | |
| G. Time for audits | N/A | | | |
| Subtotal Recordkeeping Requirements (Private Sources) | | | | |
| 4. Recordkeeping Requirements for State/Local Government Sources^c | | | | |
| A. Familiarization with 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 ^j | 4 | 47 | 188 | 1 |
| 2) Records of all emission rates, computations, tests ^j | 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 | | | |
| Subtotal Recordkeeping Requirements (State/Local Government Sources) | | | | |
| Total Recordkeeping Requirements for Private and State/Local Government Sources | | | | |
| TOTAL LABOR BURDEN AND COST (rounded):^k | | | | |
| TOTAL CAPITAL AND O&M COST (rounded):^k | | | | |
| GRAND TOTAL (rounded):^k | | | | |

ASSUMPTIONS

^a We have assumed that the average number of existing respondents that will be subject to the rule will be 5.33. There will be 5.33 respondents over the three-year period of this ICR.

^b This ICR uses the following labor rates for private sources: \$147.40 per hour for Executive, Administrative, and Managerial labor; \$41.07 per hour for Clerical labor. These rates are from the United States Department of Labor, Bureau of Labor Statistics, June 2018 “1990-2018 Compensation of Employees by Detailed Occupation, Sex, Race, and Hispanic or Latino Ethnicity.” The rates are from column 1, “Total compensation.” The rates have been increased by 110% to account for the benefit package.

^c This ICR uses the following labor rates for public sources: Managerial rate of \$65.71 (GS-13, Step 5, \$41.07 + 60%), Techn rate of \$26.38 (GS-6, Step 3, \$16.49 + 60%). These rates are from the Office of Personnel Management (OPM), “2018 General Schedule (GS) Pay Schedule.” The rates have been increased by 60 percent to account for the benefit packages available to government employees.

^d There are an average of 1.38 affected facilities (i.e., sources or units) per respondent [7.33 facilities at 5.33 plants = 1.38 (Ro

^e Relative accuracy test audits (RATA) occur once per year for each affected facility (1 x 1.38 = 1.38).

^f Relative accuracy audits (RAA) occur three times per year for each affected facility (3 x 1.38 = 4.14).

^g Daily calibration and operation data occurs daily (365 x 1.38 = 503.7).

^h RATA audits are performed for one of the four quarterly audits. RAA tests are performed for three of the four quarterly audits because tests on SO₂ and CO monitors will incorporate the use of the diluent monitor.

- ⁱ Assumes a total of 2 semiannual excess emission reports (1 report for a privately-owned source and 1 report for a state/local
- ^j Assumes 47 weeks of operation (90 percent availability) per year per facility.
- ^k Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

Subpart

117.92 147.4 57.02 Private
 48.75 65.71 26.38 Public

| Category | # Respondents per year |
|--------------------|------------------------|
| Private (New) | 0.33 |
| Private (Existing) | 4 |
| Private (Total) | 4.33 |
| Public (Existing) | 1 |
| Total | 5.33 |

| (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, \$ |
| | | | |
| | | | |
| | | | |
| 13.2 | 0.66 | 1.32 | \$1,729.09 |
| 4 | 0.2 | 0.4 | \$523.97 |
| | | | |
| 255.75 | 12.79 | 25.58 | \$33,501.20 |
| | | | |
| 74.25 | 3.71 | 7.43 | \$9,726.16 |
| 148.5 | 7.43 | 14.85 | \$19,452.31 |
| 3355.75 | 167.79 | 335.58 | \$439,576.40 |
| | | | |
| 2091.39 | 104.57 | 209.14 | \$273,955.36 |
| 2330.41 | 116.52 | 233.04 | \$305,264.54 |
| 2181.02 | 109.05 | 218.10 | \$285,696.30 |
| | | | |
| | | | |
| | | | |
| 89.1 | 4.46 | 8.91 | \$11,671.39 |
| 46.2 | 2.31 | 4.62 | \$6,051.83 |
| 0.66 | 0.03 | 0.07 | \$86.45 |
| 0.66 | 0.03 | 0.07 | \$86.45 |
| 1.32 | 0.07 | 0.13 | \$172.91 |
| 13.2 | 0.66 | 1.32 | \$1,729.09 |
| 1.32 | 0.07 | 0.13 | \$172.91 |
| 13.2 | 0.66 | 1.32 | \$1,729.09 |
| 239.02 | 11.95 | 23.90 | \$31,309.18 |
| 40 | 2 | 4 | \$5,239.68 |
| 12,534 | | | \$1,427,674 |

<-- We use different rates for State/Local Governm

| | | | |
|---------------|-------|-------|--------------------|
| | | | |
| 0 | 0 | 0 | \$0.00 |
| 1 | 0.05 | 0.1 | \$54.67 |
| | | | |
| 0 | 0 | 0 | \$0.00 |
| | | | |
| 0 | 0 | 0 | \$0.00 |
| 0 | 0 | 0 | \$0.00 |
| 775 | 38.75 | 77.5 | \$42,371.96 |
| | | | |
| 483 | 24.15 | 48.3 | \$26,407.30 |
| 538.2 | 26.91 | 53.82 | \$29,425.28 |
| 503.7 | 25.19 | 50.37 | \$27,539.04 |
| | | | |
| | | | |
| | | | |
| 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 |
| 0 | 0 | 0 | \$0.00 |
| 55.2 | 2.76 | 5.52 | \$3,017.98 |
| 40 | 2 | 4 | \$2,186.94 |
| 2,756 | | | \$131,003 |
| 15,289 | | | \$1,558,678 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| 814.04 | 40.70 | 81.40 | \$106,632.73 |
| 814.04 | 40.70 | 81.40 | \$106,632.73 |

| | | | |
|---------------|------|------|--------------------|
| 17.32 | 0.87 | 1.73 | \$2,268.78 |
| 69.28 | 3.46 | 6.93 | \$9,075.13 |
| | | | |
| | | | |
| 1,972 | | | \$224,609 |
| | | | |
| | | | |
| | | | |
| | | | |
| 188 | 9.4 | 18.8 | \$10,278.62 |
| 188 | 9.4 | 18.8 | \$10,278.62 |
| 4 | 0.2 | 0.4 | \$218.69 |
| 16 | 0.8 | 1.6 | \$874.78 |
| | | | |
| | | | |
| 455 | | | \$21,651 |
| 2427 | | | \$246,260 |
| 17,700 | | | \$1,800,000 |
| | | | \$207,000 |
| | | | \$2,010,000 |

1475 hr/response

e one additional new private source that will become subject to

l labor; \$117.92 per hour for Technical labor, and \$57.02 per
 Table 2. Civilian Workers, by Occupational and Industry Group.”
 ges available to those employed by private industry.

ical rate of \$48.75 (GS-12, Step 1, \$30.47 + 60%), and Clerical
 al Schedule” which excludes locality rates of pay. The rates

ounded)].

lits. Audits of the diluent monitor (O₂ or CO₂) are not required

government-owned source).

ents (use the same as the Agency rates)

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

| Burden Item | (A) | (B) | (C) | (D) |
|---|--------------------------|--------------------------------|---------------------------------|-----------------------------------|
| | EPA Hours Per Occurrence | Number of Occurrences Per Year | EPA Person Hours Per Year (AxB) | Respondents Per Year ^a |
| 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 | 5.33 |
| 9) Review semi-annual excess emission report ^c | 16 | 2 | 32 | 1 |
| D. Prepare annual summary report | 200 | 1 | 200 | 1 |
| TOTAL ANNUAL BURDEN AND COST (rounded) ^d | | | | |

ASSUMPTIONS

^a 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.

^b This cost is based on the following labor rates: Managerial rate of \$65.71 (GS-13, Step 5, \$41.07 + 60%), Technical rate \$26.38 (GS-6, Step 3, \$16.49 + 60%). These rates are from the Office of Personnel Management (OPM), “2018 General S been increased by 60 percent to account for the benefit packages available to government employees.

^c Assumes a total of 2 excess emissions reports from all affected facilities.

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

R Part 60, Subpart AAAA) (Renewal)

48.75 65.71 26.38

| (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, \$ ^b |
| 0 | 0 | 0 | \$0.00 |
| 0 | 0 | 0 | \$0.00 |
| 0 | 0 | 0 | \$0.00 |
| 2.64 | 0.13 | 0.26 | \$144.34 |
| 0.66 | 0.03 | 0.07 | \$36.08 |
| 0.66 | 0.03 | 0.07 | \$36.08 |
| 2.64 | 0.13 | 0.26 | \$144.34 |
| 1.32 | 0.07 | 0.13 | \$72.17 |
| 13.2 | 0.66 | 1.32 | \$721.69 |
| 13.2 | 0.66 | 1.32 | \$721.69 |
| 373.1 | 18.66 | 37.31 | \$20,398.68 |
| 32 | 1.6 | 3.2 | \$1,749.55 |
| 200 | 10 | 20 | \$10,934.70 |
| 735 | | | \$35,000 |

additional new private source that will become subject to the

of \$48.75 (GS-12, Step 1, \$30.47 + 60%), and Clerical rate of "schedule" which excludes locality rates of pay. The rates have