

| Burden item | (A) Hours per Occurrence | (B) No. of occurrences per respondent per year | (C) Person hours per respondent per year (C=AxB) | (D) Respondents per year ^a | (E) Technical person-hours per year (E=CxD) |
|--|-----------------------------|---|---|--|--|
| 1. Applications | N/A | | | | |
| 2. Survey and Studies | N/A | | | | |
| 3. Reporting requirements | | | | | |
| A. Familiarization with Regulatory Requirements | 1 | 1 | 1 | 23 | 23 |
| B. Required activities | | | | | |
| Initial performance test for Eb ^{c, d, e} | 24 | 1 | 24 | 0.33 | 7.92 |
| Repeat performance test for Eb ^{e, f} | 24 | 1 | 24 | 0.07 | 1.68 |
| Demonstration/CEMS for Eb ^{c, d} | 24 | 1 | 24 | 0.33 | 7.92 |
| Repeat CEM demonstration Eb ^f | 24 | 1 | 24 | 0.07 | 1.68 |
| Annual compliance test for Ea ^{g, i} | 24 | 1 | 24 | 18 | 432 |
| Annual compliance test for Eb ^{e, h} | 24 | 1 | 24 | 5 | 120 |
| Appendix F audit for Ea (in-situ) | 125 | 8 | 1,000 | 0 | 0 |
| Appendix F audit for Ea (extractive) | 36 | 8 | 288 | 0 | 0 |
| C. Create Information | See 3B | | | | |
| D. Gather information | See 3B | | | | |
| E. Write report | | | | | |
| Notification of construction/reconstruction for Ea | 2 | 1 | 2 | 0 | 0 |
| Notification of actual startup – Ea | 2 | 1 | 2 | 0 | 0 |
| Notification of initial performance test – Ea | 2 | 1 | 2 | 0 | 0 |
| Notification of CMS demonstration – Ea | 2 | 1 | 2 | 0 | 0 |
| Notification of construction/reconstruction – Eb ^{c, d} | 2 | 1 | 2 | 0.33 | 0.66 |
| Notification of initial performance test – Eb ^{c, d} | 2 | 1 | 2 | 0.33 | 0.66 |
| Notification of CMS demonstration – Eb ^{c, d} | 2 | 1 | 2 | 0.33 | 0.66 |
| Annual compliance reports for Ea | 16 | 1 | 16 | 18 | 288 |
| Annual opacity report of no excess emission for Ea ^j | 8 | 1 | 8 | 14.4 | 115.2 |
| Annual opacity report for excess emission for Ea ^j | 16 | 1 | 16 | 3.6 | 57.6 |
| Report of daily weight of MSW and fuel for Ea | 34 | 4 | 136 | 18 | 2448 |
| Appendix F reports for Ea | 11 | 4 | 44 | 18 | 792 |
| Initial compliance report for Eb ^{c, d} | 40 | 1 | 40 | 0.33 | 13.2 |
| Annual compliance report for Eb | 40 | 1 | 40 | 5 | 200 |
| Semiannual excess emission report Eb ^k | 17 | 2 | 34 | 5 | 170 |
| Appendix F reports for Eb ^l | 11 | 4 | 44 | 5 | 220 |
| Initial site selection analysis/report for Eb ^{c, d} | 270 | 1 | 270 | 0.33 | 89 |
| Public meeting and comment/response for Eb ^{c, d} | 140 | 1 | 140 | 0.33 | 46.2 |
| Subtotal for Reporting Requirements | | | | | |
| 4. Recordkeeping requirements | | | | | |
| A. Familiarization with Regulatory Requirements | See 3A | | | | |

| | | | | | |
|---|--------|-----|-----|----|-------|
| B. Plan activities | See 4E | | | | |
| C. Implement activities | See 4E | | | | |
| D. Develop record system | See 4E | | | | |
| E. Time to enter information | | | | | |
| Records of SSM for Ea ^m | 1.5 | 104 | 156 | 18 | 2,808 |
| Record emission measurements Ea ^m | 1.5 | 104 | 156 | 18 | 2,808 |
| Record of employee review of operation for Ea ⁿ | 4 | 2 | 8 | 18 | 144 |
| Record of emission rates, and computation tests for Eb ^o | 1.5 | 94 | 141 | 5 | 705 |
| Record of SSM for Eb ^o | 1.5 | 94 | 141 | 5 | 705 |
| Record of employee review of operation for Eb ⁿ | 4 | 2 | 8 | 5 | 40 |
| Record amount of sorbent for Hg control for Eb | 0.1 | 94 | 9.4 | 5 | 47 |
| F. Train personnel | See 4E | | | | |
| G. Audits | See 4E | | | | |
| Subtotal for Recordkeeping Requirements | | | | | |
| TOTAL LABOR BURDEN AND COST (rounded)^p | | | | | |
| TOTAL CAPITAL AND O&M COST (rounded)^p | | | | | |
| GRAND TOTAL (rounded)^p | | | | | |

^a On average, EPA estimates 23 existing sources will be subject to the NESHAP, including 13 sources subject to Ea, and 10 sources subject to Subpart Eb in 2019 which will become subject to Subpart Eb.

^b This ICR uses the following labor rates: \$112.98 (technical), \$149.35 (managerial), and \$54.81 (clerical). These rates are from the Bureau of Economic Analysis, June 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. We have estimated that the contractors' rate for emission testing is \$112.98 per hour.

^c Applies to new or reconstructed sources only.

^d EPA assumes one existing facility will implement process changes over the next 3 years.

^e We have assumed that it will take an emission testing contractor 1,053 hours to perform both initial performance test and repeat performance test.

^f We have assumed that 20 percent of the respondents will have to repeat a performance test or CEMS demonstration for Emission Testing.

^g We have assumed that all of the 18 respondents for subpart Ea will have to complete an annual compliance test.

^h We have assumed that all 5 respondents for subpart Eb will have to complete an annual compliance test.

ⁱ We have assumed that it will take an emission testing contractor 826 hours to complete an annual compliance test for Eb.

^j We have assumed that 80 percent of respondents will file an opacity report of no excess emission for Ea and will submit an opacity report of excess emission for Ea and submit periodic reports on a quarterly basis.

^k We have assumed that 5 of the respondents will be required to write semiannual excess emission report for Eb two times per year.

^l We have assumed that 5 of the respondents will write the appendix F reports four times per year.

^m We have assumed that all 18 respondents for subpart Ea will each take 104 hours to complete task.

ⁿ We have assumed that all 18 respondents for subpart Ea and all 5 respondents for subpart Eb will each take 4 hours two times per year.

^o We have assumed that each of the 5 respondents subject to Eb will take 1.5 hours 94 times per year to enter information.

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

149.35

54.81

80

| (F) Management person hours per year (Ex0.05) | (G) Clerical person hours per year (Ex0.1) | (H) Emission Test Person- Hours per Occurrence | (I) Emission Testing Contractor Person-Hours per Year (HxD) | (J) Total Cost per year ^b |
|---|---|--|---|--|
| | | | | |
| | | | | |
| | | | | |
| 1.15 | 2.3 | 1 | 23 | \$4,736.36 |
| | | | | |
| 0.40 | 0.79 | 1,053 | 347 | \$28,796.55 |
| 0.08 | 0.17 | 1,053 | 73.71 | \$6,108.36 |
| 0.40 | 0.79 | 470 | 155.1 | \$13,405.35 |
| 0.08 | 0.17 | 470 | 32.9 | \$2,843.56 |
| 21.6 | 43.2 | 826 | 14,868 | \$1,243,841.11 |
| 6 | 12 | 1,053 | 5,265 | \$436,311.42 |
| 0 | 0 | 0 | 0 | \$0 |
| 0 | 0 | 0 | 0 | \$0 |
| | | | | |
| | | | | |
| | | | | |
| 0 | 0 | 0 | 0 | \$0 |
| 0 | 0 | 0 | 0 | \$0 |
| 0 | 0 | 0 | 0 | \$0 |
| 0 | 0 | 0 | 0 | \$0 |
| 0.03 | 0.07 | 0 | 0 | \$83.11 |
| 0.03 | 0.07 | 0 | 0 | \$83.11 |
| 0.03 | 0.07 | 0 | 0 | \$83.11 |
| 14.4 | 28.8 | 0 | 0 | \$36,267.41 |
| 5.76 | 11.52 | 0 | 0 | \$14,506.96 |
| 2.88 | 5.76 | 0 | 0 | \$7,253.48 |
| 122.4 | 244.8 | 0 | 0 | \$308,272.97 |
| 39.6 | 79.2 | 0 | 0 | \$99,735.37 |
| 0.66 | 1.32 | 0 | 0 | \$1,662.26 |
| 10 | 20 | 0 | 0 | \$25,185.70 |
| 8.5 | 17 | 0 | 0 | \$21,407.85 |
| 11 | 22 | 0 | 0 | \$27,704.27 |
| 4.455 | 8.91 | 0 | 0 | \$11,220.23 |
| 2.31 | 4.62 | 0 | 0 | \$5,817.90 |
| 5,791 | | | 20,765 | \$2,295,326 |
| 26,556 | | | | |
| | | | | |
| | | | | |

| | | | | |
|---------------|-------|---|---|--------------------|
| | | | | |
| | | | | |
| | | | | |
| 140.4 | 280.8 | 0 | 0 | \$353,607.23 |
| 140.4 | 280.8 | 0 | 0 | \$353,607.23 |
| 7.2 | 14.4 | 0 | 0 | \$18,133.70 |
| 35.25 | 70.5 | 0 | 0 | \$88,779.59 |
| 35.25 | 70.5 | 0 | 0 | \$88,779.59 |
| 2 | 4 | 0 | 0 | \$5,037.14 |
| 2.35 | 4.7 | 0 | 0 | \$5,918.64 |
| | | | | |
| | | | | |
| 8,346 | | | 0 | |
| 8,350 | | | | \$914,000 |
| 34,900 | | | | \$3,210,000 |
| | | | | \$226,000 |
| | | | | \$3,440,000 |

Capital/Startu

| |
|---------------------|
| A |
| CEMs for subpart Ea |
| CEMs for subpart Eb |
| Total |

hr/resp 167
 No. response 209

5 sources subject to Eb. EPA estimates one plant (respondent) to startup in

re from the United States Department of Labor, Bureau of Labor Statistics, isation.” They have been increased by 110 percent to account for the benefit g would be \$80.00 per hour.

formance tests for subpart Eb.
 Eb.

periodic reports on a semiannual basis, and 20 percent of respondents will file

imes per year to record employee review of operations.

up vs. O&M Costs

| B | C | D | E | F | G |
|----------|------|----------|---------|----|-----------|
| \$60,000 | 0 | \$0 | \$8,972 | 18 | \$161,496 |
| \$60,000 | 0.33 | \$20,000 | \$8,972 | 5 | \$44,860 |
| | | \$20,000 | | | \$206,000 |

\$226,000

| Activity | (A) EPA person-hours per occurrence | (B) No. of occurrences per plant per year | (C) EPA person hours per plant per year (AxB) | (D) Plants per year ^a | (E) Technical person-hours per year (Cx D) | (F) Management person-hours per year (Ex0.05) |
|---|-------------------------------------|---|---|----------------------------------|--|---|
| Initial performance tests for Ea | 180 | 1 | 180 | 0 | 0 | 0 |
| Initial performance tests for Eb ^c | 180 | 1 | 180 | 0.33 | 59.4 | 2.97 |
| Review report of initial performance test for Ea | 24 | 1 | 24 | 0 | 0 | 0 |
| Review report of initial performance test for Eb ^c | 24 | 1 | 24 | 0.33 | 7.92 | 0.396 |
| Repeat performance test for Ea | 12 | 1 | 12 | 0 | 0 | 0 |
| Repeat performance test for Eb ^d | 12 | 1 | 12 | 0.07 | 0.84 | 0.04 |
| Report review for Ea | | | | | | |
| Notification of construction | 2 | 1 | 2 | 0 | 0 | 0 |
| Notification of actual startup | 2 | 1 | 2 | 0 | 0 | 0 |
| Notification of initial test | 2 | 1 | 2 | 0 | 0 | 0 |
| Notification of CMS demonstration | 12 | 1 | 12 | 0 | 0 | 0 |
| Review of CEMS demonstration for Ea | 96 | 1 | 96 | 0 | 0 | 0 |
| Review excess emission reports for Ea | | | | | | |
| No excess emission report ^e | 8 | 1 | 8 | 14.4 | 115.2 | 5.76 |
| Excess emission report ^f | 2 | 1 | 2 | 3.6 | 7.2 | 0.36 |
| Review quarterly appendix F reports for Ea ^g | 0.5 | 4 | 2 | 18 | 36 | 1.8 |
| Review quarterly compliance report for Ea | 8 | 4 | 32 | 18 | 576 | 28.8 |
| Review annual compliance tests for Ea | 18 | 1 | 18 | 18 | 324 | 16.2 |
| Report review for Eb ^d | | | | | | |
| Notification of construction ^c | 2 | 1 | 2 | 0.33 | 0.66 | 0.03 |
| Notification of initial performance test ^c | 8 | 1 | 8 | 0.33 | 2.64 | 0.13 |
| Notification of CEMS demonstration ^c | 5 | 1 | 5 | 0.33 | 1.65 | 0.08 |
| Review CEMS demonstration for Eb ^c | 40 | 1 | 40 | 0.33 | 13.2 | 0.66 |
| Review semiannual excess emission reports for Eb ^h | 12 | 2 | 24 | 5 | 120 | 6 |
| Review of quarterly Appendix F reports for Eb ⁱ | 5 | 4 | 20 | 5 | 100 | 5 |
| Review annual compliance reports for Eb | 5 | 1 | 5 | 5 | 25 | 1.25 |
| Review siting requirements study for Eb ^c | 24 | 1 | 24 | 0.33 | 7.92 | 0.40 |
| TOTAL ANNUAL BURDEN AND COST (rounded)^j | | | | | | 1,610 |

Assumptions:

^a On average, EPA estimates 23 existing sources will be subject to the NESHAP, including 13 sources subject to Ea, and 5 sources subject to Eb (respondent) to startup in 2019 which will become subject to Subpart Eb.

^b This ICR uses the following labor rates: \$64.80 per hour for Managerial (GS-13, Step 1, \$30.05 + 60%); \$48.08 per hour for Technical labor (GS-11, Step 1, \$26.02 per hour for Clerical (GS-6, Step 3, \$16.26 + 60%). The rates have been increased by 60 percent to account for the benefit packages.

^c Applies to new or reconstructed sources only.

^d We have assumed that 20 percent of the respondents will repeat performance test for Eb.

^e We have assumed that 80 percent of respondents will file an opacity report of no excess emission for Ea.

^f We have assumed that 20 percent of respondents will file an opacity report of excess emission for Ea.

^g We have assumed that 18 of the respondents will write the appendix F reports four times per year for Ea.

^h We have assumed that 5 of the respondents will be required to write semiannual excess emission report for Eb two times per year.

ⁱ We have assumed that 5 of the respondents will write the appendix F reports four times per year.

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

26.02

| (G) Clerical person- hours per year (Ex0.1) | (H) Cost, \$ ^b |
|--|---------------------------|
| 0 | \$0 |
| 5.94 | \$3,202.97 |
| 0 | \$0 |
| 0.792 | \$427.06 |
| 0 | \$0 |
| 0.08 | \$45.29 |
| | |
| 0 | \$0 |
| 0 | \$0 |
| 0 | \$0 |
| 0 | \$0 |
| 0 | \$0 |
| | |
| 11.52 | \$6,211.81 |
| 0.72 | \$388.24 |
| 3.6 | \$1,941.19 |
| 57.6 | \$31,059.07 |
| 32.4 | \$17,470.73 |
| | |
| 0.07 | \$35.59 |
| 0.26 | \$142.35 |
| 0.17 | \$88.97 |
| 1.32 | \$711.77 |
| 12 | \$6,470.64 |
| 10 | \$5,392.20 |
| 2.5 | \$1,348.05 |
| 0.79 | \$427.06 |
| | \$75,400 |

to Eb. EPA estimates one plant

bor (GS-12, Step 3, \$16.26 + 60%), and
available to government employees.

Table 1b: Annual Respondent Burden and Cost Breakdown by Affected Sector- NSPS for Municipal Solid Waste (CFR Part 60, Subparts Ea and Eb) (Renewal)

| Affected Sector | Number of Responses | Labor Hours | | | Labor Cost |
|-----------------------------|---------------------|---------------|---------------|---------------|------------------|
| | | Reporting | Recordkeeping | Total | |
| Private | 90 | 11,419 | 3,591 | 15,000 | \$1,380,300 |
| Public (State/Local/Tribal) | 119 | 15,137 | 4,760 | 19,900 | \$1,829,700 |
| Total | 209 | 26,556 | 8,350 | 34,900 | 3,210,000 |

* Assumes 57% of respondents are public sector owned by state or local entities and privately operated. The remaining 43% are owned and operated by the private sector. There are no Federally-owned facilities.

Combustors (40

| Capital and O&M Cost |
|-------------------------------------|
| \$97,180 |
| \$128,820 |
| 226,000 |

aining facilities

of facilities

| | Ea | Eb | Total | Percent by Sector |
|---------------|----|----|-------|-------------------|
| Public-Owned | 8 | 5 | 13 | 57% |
| Private-Owned | 10 | 0 | 10 | 43% |
| | 18 | 5 | 23 | |