

ICR Summary Information

| | |
|------------------------------|----------------|
| Hours per Response | 157 |
| Number of Respondents | 2 |
| Total Estimated Burden Hours | 628 |
| Total Estimated Costs | \$83,000 |
| Annualized Capital O&M | \$3,830 |
| Form Number | Not Applicable |

Table 1: Annual Respondent Burden and Cost – NSPS for Primary and Secondary Emissions fr

| Burden Item | (A) Person 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 |
|---|---------------------------------------|--|--|---|
| 1. Applications | N/A | | | |
| 2. Survey and Studies | N/A | | | |
| 3. Reporting requirements | | | | |
| A. Familiarization with rule requirements ^c | 1 | 1 | 1 | 2 |
| B. Required activities | | | | |
| Performance tests ^d | 194 | 1 | 194 | 0 |
| Repeat of performance test ^e | 194 | 1 | 194 | 0 |
| Daily monitoring of emissions and operations | See 4E | | | |
| C. Create information | See 3B and 4E | | | |
| D. Gather existing information | See 3B and 4E | | | |
| E. Write Report | | | | |
| Notification of reconstruction or modification | 2 | 1 | 2 | 0 |
| Notification of performance test | 2 | 1 | 2 | 0 |
| Performance test results | 32 | 1 | 32 | 0 |
| Semiannual report of excess emissions ^f | 10 | 2 | 20 | 2 |
| Subtotal for Reporting Requirements | | | | |
| 4. Recordkeeping requirements | | | | |
| A. Familiarization with rule requirements | See 3A | | | |
| B. Plan activities | See 3B | | | |
| C. Implement Activities | See 3B | | | |
| D. Develop record system | N/A | | | |
| E. Time to enter information | | | | |
| Records of operating parameters | | | | |
| - Exhaust ventilation rate ^g | 0.25 | 365 | 91.25 | 2 |
| - Across the venture scrubber (i.e., pressure drop and water supply pressure) ^h | 0.25 | 365 | 91.25 | 1 |
| Records of performance test | See 3B | | | |
| Records of duration of each steel production cycle, and time and duration of any diversion of exhaust gases from the main stack serving the BOPF ⁱ | 0.25 | 365 | 91.25 | 2 |
| Recalibrate and check monitoring devices ^j | 8 | 1 | 8 | 2 |
| F. Time to train personnel | | | | |
| - Certification of opacity observer ^k | 8 | 2 | 16 | 2 |
| Subtotal for Recordkeeping Requirements | | | | |
| Total Labor Burden and Costs (rounded) ^l | | | | |
| Total Capital and O&M Cost (rounded) ^l | | | | |
| GRAND TOTAL (rounded) ^l | | | | |

Assumptions:

- ^a We have assumed that there are approximately two respondents (i.e., BOPF shops) that are subject to the regulation, subject to the rule over the next three years.
- ^b This ICR uses the following labor rates: \$163.17 per hour for Executive, Administrative, and Managerial labor; \$130.28 per hour for labor. These rates are from the United States Department of Labor, Bureau of Labor Statistics, September 2022, Table 2.1. The rates are from column 1, Total Compensation. The rates have been increased by 110 percent to account for varying industry employment workers beyond their wages and benefits, including business expenses associated with hiring, training, and equipment.
- ^c We have assumed that it will take one hour for each respondent to familiarize with rule requirements.
- ^d We have assumed that it will take 194 hours for each respondent to complete a performance test. This is a one time requirement.
- ^e We have assumed that it will take 10 percent of respondents to repeat performance test due to failures. This is a one time requirement.
- ^f We have assumed that it will take 10 hours twice per year for each respondent to write the semiannual reports if excess emissions occur.
- ^g We have assumed that it will take each of the two respondent 0.25 hours, 365 times per year, to record the exhaust venturi readings.
- ^h We have assumed one of the existing respondents will use venturi scrubbers as primary emission control systems. We have assumed that it will take each of the two respondent 0.25 hours, 365 times per year, to enter information on records of CMS operating parameters across the venturi scrubber.
- ⁱ We have assumed that it will take each respondent 0.25 hours, 365 days per year, to record the duration of each steel production cycle.
- ^j We have assumed that it will take each respondent eight hours once per year to recalibrate and check monitoring devices.
- ^k We have assumed that it will take each respondent eight hours twice per year to train personnel on certification of opacity.
- ^l Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

om Basic Oxygen Furnaces (40 CFR Part 60, Subparts N and Na) (Renewal).

| (E) Technical person- hours per year (E=CxD) | (F) Management person hours per year (Ex0.05) | (G) Clerical person hours per year (Ex0.1) | (H) Cost, \$ ^b |
|--|---|--|------------------------------|
| | | | |
| | | | |
| 2 | 0.1 | 0.2 | \$290.02 |
| | | | |
| 0 | 0 | 0 | \$0 |
| 0 | 0 | 0 | \$0 |
| | | | |
| | | | |
| | | | |
| 0 | 0 | 0 | \$0 |
| 0 | 0 | 0 | \$0 |
| 0 | 0 | 0 | \$0 |
| 40 | 2 | 4 | \$5,800.38 |
| 48 | | | \$6,090 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| 182.5 | 9.125 | 18.25 | \$26,464.23 |
| 91.25 | 4.5625 | 9.125 | \$13,232.12 |
| | | | |
| 182.5 | 9.125 | 18.25 | \$26,464.23 |
| 16 | 0.8 | 1.6 | \$2,320.15 |
| | | | |
| 32 | 1.6 | 3.2 | \$4,640.30 |
| 580 | | | \$73,121 |
| 628 | | | \$79,200 |
| | | | \$3,830 |
| | | | \$83,000 |

| Labor Rates | |
|-------------|----------|
| Management | \$163.17 |
| Technical | \$130.28 |
| Clerical | \$65.71 |

157 hr/respons

with no additional new or reconstructed sources becoming

\$3 per hour for Technical labor, and \$65.71 per hour for Clerical Civilian Workers, by Occupational and Industry groups. The survey wage rates and the additional overhead business costs of supporting their employees.

Requirement.

Requirement.

Requirement.

Requirement rate.

It is assumed that it will take the respondent 0.25 hours, 365

Production cycle.

3.

by observer.

Table 2: Average Annual EPA Burden and Cost – NSPS for Primary and Secondary Emissi

| Burden item | (A) Person 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 |
|--|---------------------------------------|--|--|---|
| New facility | | | | |
| Notification of performance test ^c | 2 | 1 | 2 | 0 |
| Report of performance test results ^d | 8 | 1 | 8 | 0 |
| Notification of reconstruction/modification ^e | 2 | 1 | 2 | 0 |
| Review reports: Existing and new sources | | | | |
| Semiannual reports of excess emissions and monitoring systems performance ^f | 5 | 2 | 10 | 2 |
| TOTAL (rounded) ^g | | | | |

Assumptions:

^a We have assumed that there are approximately two respondents (i.e., BOPF shops) that are subject to the regulation subject to the rule over the next three years.

^b This cost is based on the average hourly labor rate as follows: Managerial \$73.46 (GS-13, Step 5, \$45.91 + 60%); 1 \$29.50 (GS-6, Step 3, \$18.44 + 60%). This ICR assumes that Managerial hours are 5 percent of Technical hours, and are from the Office of Personnel Management (OPM), 2023 General Schedule, which excludes locality, rates of pay, benefit packages available to government employees.

^c We have assumed that it will take two hours once per year for each respondent to perform the performance test. Thi

^d We have assumed that it will take eight hours once per year for each respondent to report the performance test resul

^e We have assumed that it will take two hours once per year for each respondent to comply with the notification requ over any three hour period (e.g., of low pressure) that average more than 10 percent below the averages during the m

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

ons from Basic Oxygen Furnaces (40 CFR Part 60, Subparts N and Na) (Renewal).

| (E) Technical person- hours per year (E=CxD) | (F) Management person hours per year (Ex0.05) | (G) Clerical person hours per year (Ex0.1) | (H) Cost, \$ ^b |
|--|---|---|------------------------------|
| 0 | 0 | 0 | \$0 |
| 0 | 0 | 0 | \$0 |
| 0 | 0 | 0 | \$0 |
| 20 | 1 | 2 | \$1,222.66 |
| 23 | | | \$1,220 |

| Labor Rates | |
|-------------|---------|
| Management | \$73.46 |
| Technical | \$54.51 |
| Clerical | \$29.50 |

1, with no additional new or reconstructed sources becoming

Technical \$54.51 (GS-12, Step 1, \$34.07 + 60%); and Clerical
 Clerical hours are 10 percent of Technical hours. These rates
 The rates have been increased by 60 percent to account for the

is is a one-time requirement.

lts. This is a one-time requirement.

irements of the rule. This is a one-time requirement.

most recent performance test.

| Capital/Startup vs. Operation and Maintenance | | | |
|--|---|----------------------------------|--|
| (A) | (B) | (C) | (D) |
| Continuous Monitoring Device | Capital/Startup Cost for One Respondent ^b | Number of New Respondents | Total Capital/Startup Cost, (B X C) |
| Flow meters to measure exhaust gas flow rate | \$25,527 | 0 | \$0 |
| Flow meters to measure pressure flow rate | \$0 | 0 | \$0 |
| Totals (rounded) ^a | | | \$0 |

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

^b Costs have been increased from 2008 to 2022 \$ using the CEPCI Equipment Cost Index.

(O&M) Costs

| (E) | (F) | (G) |
|---|---|-------------------------------|
| Annual O&M Costs for One Respondent ^b | Number of Respondents with O&M | Total O&M, (E X F) |
| \$1,276 | 2 | \$2,553 |
| \$1,276 | 1 | \$1,276 |
| | | \$3,830 |

\$3,830

2008 CEPCI

2022 CEPCI

| | |
|--------------|------------|
| 575.4 | 816 |
|--------------|------------|

| Total Annual Responses | | | | |
|--|------------------------------------|---------------------|--|--|
| (A) | (B) | (C) | (D) | (E) |
| Information Collection Activity | Number of Respondents ^a | Number of Responses | Number of Existing Respondents That Keep Records But Do Not Submit Reports | Total Annual Responses $E=(B \times C)+D$ |
| Notification of construction or modification | 0 | 1 | 0 | 0 |
| Notification of performance test | 0 | 1 | 0 | 0 |
| Report results of performance test | 0 | 1 | 0 | 0 |
| Semiannual report | 2 | 2 | 0 | 4 |
| | | | Total | 4 |

| Number of Respondents | | | | |
|------------------------------|---|---------------------------------------|---|---|
| | Respondents That Submit Reports | | Respondents That Do Not Submit Any Reports | |
| | (A) | (B) | (C) | (D) |
| Year | Number of New Respondents ^a | Number of Existing Respondents | Number of Existing Respondents that keep records but do not submit reports | Number of Existing Respondents That Are Also New Respondents |
| 1 | 0 | 2 | 0 | 0 |
| 2 | 0 | 2 | 0 | 0 |
| 3 | 0 | 2 | 0 | 0 |
| Average | 0 | 2 | 0 | 0 |

^a New respondents include sources with constructed, reconstructed, and modified affected facilities.

| |
|--|
| |
| |
| (E) |
| Number of Respondents (E=A+B+C-D) |
| 2 |
| 2 |
| 2 |
| 2 |