

Table 1: Annual Respondent Burden and Cost – NESHAP for Coke Oven Pushing, Quenching, and Battery Stack

| Burden item | (A) Person hours per occurrence | (B) No. of occurrences per respondent per year | (C) Person hours per respondent per year (AxB) | (D) Respondents per year ^a | (E) Technical person-hours per year (Cx D) |
|---|---------------------------------|--|--|---------------------------------------|--|
| 1. Applications | N/A | | | | |
| 2. Survey and Studies | N/A | | | | |
| 3. Acquisition, Installation, and Utilization of Technology and Systems | 40 | 1 | 40 | 0 | 0 |
| 4. Reporting Requirements | | | | | |
| A. Familiarize with rule requirement | 2 | 1 | 2 | 17 | 34 |
| B. Required activities ^{c, d} | | | | | |
| Method 5 performance test ^{e, c} | 40 | 1.5 | 60 | 6.4 | 384 |
| Startup, shutdown, malfunction plan | 40 | 1 | 40 | 0 | 0 |
| Operation and maintenance plans for by-product coke oven batteries and capture systems and control devices applied to pushing emissions | 40 | 1 | 40 | 0 | 0 |
| Work practice plan for batteries with horizontal flues (one plant) | 40 | 1 | 40 | 1 | 40 |
| Method 9 daily observations for fugitive pushing emissions ^f | 2.8 | 365 | 1,022 | 15 | 15,330 |
| Weekly sampling for total dissolved solids (TSD) ^g | 2.3 | 52 | 119.6 | 17 | 2,033.2 |
| Monthly inspections and maintenance of affected sources, control devices, and continuous parameter monitoring systems ^e | 2 | 12 | 24 | 17 | 408 |
| C. Create information | See 4B | | | | |
| D. Gather existing information | See 4B | | | | |
| E. Write report | | | | | |
| Notification of applicability | 2 | 1 | 2 | 0 | 0 |
| Notification of constr./reconstr. | 2 | 1 | 2 | 0 | 0 |
| Notification of anticipated startup | 2 | 1 | 2 | 0 | 0 |
| Notification of actual startup | 2 | 1 | 2 | 0 | 0 |
| Notification of special compliance Requirements | 2 | 1 | 2 | 0 | 0 |
| Compliance extension request | 2 | 1 | 2 | 0 | 0 |
| Notification of performance test ^c | 2 | 1.5 | 3 | 0 | 0 |
| Site-specific test plan | 40 | 1 | 40 | 0 | 0 |
| Notification of compliance status | 8 | 1 | 8 | 0 | 0 |
| NESHAP waiver application | N/A | | | | |
| Report of performance test ^h | See 4B | | | | |
| Semiannual compliance reports ^h | 40 | 2 | 80 | 17 | 1360 |
| Quarterly compliance reports for battery stacks ^f | 12 | 4 | 48 | 15 | 720 |
| Emergency startup, shutdown, or malfunction reports ⁱ | 4 | 1 | 4 | 1 | 4 |
| Subtotal for Reporting Requirements | | | | | |
| 5. Recordkeeping Requirements | | | | | |
| A. Familiarize with rule requirement | See 4A | | | | |

| | | | | | |
|---|------|----|-----|----|-----|
| B. Plan activities | 3 | 1 | 3 | 0 | 0 |
| C. Implement activities | 12 | 1 | 12 | 0 | 0 |
| D. Develop record system | 3 | 1 | 3 | 0 | 0 |
| E. Time to enter information | 1 | 52 | 52 | 17 | 884 |
| F. Time to train personnel | 3 | 1 | 3 | 0 | 0 |
| G. Time to adjust existing ways to comply with previously applicable requirements | 3 | 1 | 3 | 0 | 0 |
| H. Time to transmit or disclose information ^j | 0.25 | 2 | 0.5 | 17 | 8.5 |
| I. Time for audits | N/A | | | | |
| Subtotal for Recordkeeping Requirements | | | | | |
| TOTAL LABOR BURDEN AND COST (rounded) ^k | | | | | |
| Capital and O&M Cost (see Section 6(b)(iii)): ^k | | | | | |
| TOTAL COST: ^k | | | | | |

s (40 CFR Part 63, Subpart CCCCC) (Renewal)

| (F) Managem nt person hours per year (Ex0.05) | (G) Clerical person hours per year (Ex0.1) | (H) Total Cost Per year ^b |
|--|---|---|
| 0 | 0 | \$0 |
| 1.7 | 3.4 | \$3,932 |
| 19.2 | 38.4 | \$44,407.87 |
| 0 | 0 | \$0 |
| 0 | 0 | \$0 |
| 2 | 4 | \$4,625.82 |
| 766.5 | 1,533.0 | \$1,772,845.52 |
| 101.66 | 203.32 | \$235,130.43 |
| 20.4 | 40.8 | \$47,183.36 |
| 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 |
| 68 | 136 | \$157,277.88 |
| 36 | 72 | \$83,264.76 |
| 0.2 | 0.4 | \$462.58 |
| 23,360 | | \$2,349,130.17 |

Labor Rates

| | |
|-------|--------|
| Tech | 103.97 |
| Mngmt | 129.93 |
| Cler | 51.79 |

| | |
|------------------------|----|
| Number of Respondents: | 17 |
| By-product Batteries | 53 |

| | |
|------------------------|----|
| Non-recovery Batteries | 10 |
|------------------------|----|

Per Donna Lee Jones, US Steel Gary Wor

| | | |
|---------------|------|---------------------|
| 0 | 0 | \$0 |
| 0 | 0 | \$0 |
| 0 | 0 | \$0 |
| 44.2 | 88.4 | \$102,230.62 |
| 0 | 0 | \$0 |
| 0 | 0 | \$0 |
| 0.425 | 0.85 | \$982.99 |
| 1,026 | | \$103,213.61 |
| 24,400 | | \$2,450,000 |
| | | \$152,000 |
| | | \$2,600,000 |

242 hr/resp

orks and US Steel Granite City Works shut down since last ICR period. These 2 facilities operate 5 by-product batteries.

Table 2: Average Annual EPA Burden and Cost – NESHAP for Coke Oven Pushing, Que

| Burden item | (A) Person hours per occurrence | (B) No. of occurrences per plant per year | (C) Hours per plant per year (AxB) | (D) Plants per year ^a | (E) Technical person-hours per year (CxD) |
|--|---------------------------------|---|------------------------------------|----------------------------------|---|
| Initial performance test | 40 | 1 | 40 | 0 | 0 |
| Repeat performance test-Retesting preparation | 2 | 1 | 2 | 0 | 0 |
| Repeat performance- Retesting | 40 | 1 | 40 | 0 | 0 |
| Report Review | | | | | |
| Notification of construction/reconstruction | N/A | | | | |
| Notification of anticipated startup | N/A | | | | |
| Notification of actual startup | N/A | | | | |
| Notification of special compliance requirements | N/A | | | | |
| Notification of initial performance test | 2 | 1 | 2 | 0 | 0 |
| Notification of compliance status ^d | 2 | 1 | 2 | 0 | 0 |
| Review of repeat Method 5 performance test report | 8 | 1 | 8 | 6.4 | 51.2 |
| Review of semi-annual compliance report ^d | 8 | 0.4 | 3.2 | 17 | 54.4 |
| Review of NESHAP waiver application | 2 | 1 | 2 | 0 | 0 |
| Review of quarterly compliance report for battery stacks ^f | 4 | 1 | 4 | 15 | 60 |
| Review of emergency startup, shutdown, and malfunction report ^g | 4 | 1 | 4 | 1 | 4 |
| TOTAL ANNUAL COST ^h | | | | | |

enching, and Battery Stacks (40 CFR Part 63, Subpart CCCCC) (Renewal)

| (F) Managem nt person hours per year (Ex0.05) | (G) Clerical person hours per year (Ex0.1) | (H) Total Cost Per year ^b |
|--|---|--|
| 0 | 0 | \$0.00 |
| 0 | 0 | \$0.00 |
| 0 | 0 | \$0.00 |
| | | |
| | | |
| | | |
| | | |
| 0 | 0 | \$0.00 |
| 0 | 0 | \$0.00 |
| 2.56 | 5.12 | \$2,679.81 |
| 2.72 | 5.44 | \$2,847.30 |
| 0 | 0 | \$0.00 |
| 3 | 6 | \$3,140.40 |
| 0.2 | 0.4 | \$209.36 |
| 195 | | \$8,880 |

Labor Rates

| | |
|-------|-------|
| Tech | 46.67 |
| Mngmt | 62.9 |
| Cler | 25.25 |