

**Table 1: Annual Respondent Burden and Cost - NESHAP for Carbon Black, Ethylene, Cyanide, and Spandex (4**

| REPORTING / RECORDKEEPING REQUIREMENT  | (A)<br>Person-hours per occurrence | (B)<br>No. of occurrences per respondent per year | (C)<br>Person-hours per respondent (C=AxB) |
|--|------------------------------------|---|--|
| 1. APPLICATIONS  |                                    |   |  |
| 2. SURVEY AND STUDIES  |                                    |   |  |
| 3. REPORTING REQUIREMENTS  |                                    |   |  |
| a. Familiarization with Regulatory Requirements  | 1                                  | 1   | 1  |
| b. Required Activities   |                                    |   |  |
| Initial Performance Tests  | 57                                 | 1   | 57   |
| Repeat of Performance Tests <sup>c</sup>   | 57                                 | 0.1   | 5.7  |
| Startup, Shutdown and Malfunction Plan   | 40                                 | 1   | 40   |
| c. Create Information  | See 3b                             |   |  |
| d. Gather Existing Information   | See 3b                             |   |  |
| e. Write Report  |                                    |   |  |
| Initial Notification of Applicability  | 2                                  | 1   | 2  |
| Notification of Construction/Reconstruction  | 2                                  | 1   | 2  |
| Notification of anticipated startup  | 2                                  | 1   | 2  |
| Notification of Actual Startup   | 2                                  | 1   | 2  |
| Notification of Performance Test Dates   | 2                                  | 1.1   | 2.2  |
| Notification of Operating Parameter Value and Rationale Selection                                    | 2                                  | 1   | 2  |
| Notification of Compliance Status  | 2                                  | 1   | 2  |
| Report of Initial Performance Test Results   | 8                                  | 1.1   | 8.8  |
| Reporting Results of Continuous Monitoring System Performance Report and Summary Report              | See 3b                             |   |  |
| Periodic and Semiannual Reports  | 8                                  | 2   | 16   |
| Excess Emissions and Continuous Monitoring System Performance Report and Summary Report <sup>d</sup> | 8                                  | 2   | 16   |
| Immediate Startup, Shutdown, Malfunction Reports <sup>e</sup>  | 4                                  | 1   | 4  |
| Request for waiver of reporting and Recordkeeping  | 4                                  | 1   | 4  |
| <b>Reporting Subtotal</b>  |                                    |   |  |
| 4. RECORDKEEPING REQUIREMENTS  |                                    |   |  |
| a. Familiarization with Regulatory Requirements  | See 3b                             |   |  |
| b. Plan Activities   | See 3b                             |   |  |
| c. Implement Activities  | See 3b                             |   |  |
| d. Develop Record System   | N/A                                |   |  |
| e. Time to Enter Information   |                                    |   |  |
| Records of SS&M  | 1.5                                | 52  | 78   |
| Records of CMS   | 1                                  | 365   | 365  |
| Collect and compile data   | 24                                 | 2   | 48   |
| Enter / verify information for semiannual reports  | 16                                 | 2   | 32   |
| f. Train Personnel   | N/A                                |   |  |
| g. Audits  | N/A                                |   |  |
| <b>Recordkeeping Subtotal</b>  |                                    |   |  |
| <b>TOTAL LABOR BURDEN AND COSTS (rounded)<sup>f</sup></b>  |                                    |   |  |
| <b>TOTAL CAPITAL AND O&amp;M COST (rounded)<sup>f</sup></b>  |                                    |   |  |
| <b>GRAND TOTAL (rounded)<sup>f</sup></b>   |                                    |   |  |

Assumptions:

<sup>a</sup> We have assumed that there are approximately 61 respondents, consisting of 18 manufacturing carbon black, 14 manufacturing additional new or reconstructed sources becoming subject to the rule over the next three years.

<sup>b</sup> This ICR uses the following labor rates: \$112.98 (technical), \$149.35 (managerial), and \$54.81 (clerical). These rates are from Table 2. Civilian workers, by occupational and industry group.” The rates are from column 1, “Total compensation.” They are for workers employed by private industry.

<sup>c</sup> We have assumed that the rate of failed performance tests is 10%.

<sup>d</sup> Includes periodic startup, shutdown and malfunction report.

<sup>e</sup> We have assumed that only 5% (3) respondents per year will need to submit an immediate SSM report.

<sup>f</sup>Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

**0 CFR Part 63, Subpart YY) (Renewal)**

| (D)<br>Respondents per<br>year <sup>a</sup> | (E)<br>Technical person-<br>hours<br>(E=CxD) | (F)<br>Managerial<br>person-hours<br>(Ex0.05) | (G)<br>Clerical person-<br>hours<br>(Ex0.10) | (H)<br>Cost, \$ <sup>b</sup> |
|---|--|---|--|------------------------------|
| N/A   |  |   |  |                              |
| N/A   |  |   |  |                              |
| 61  | 61   | 3.05  | 6.1  | \$7,681.64                   |
| 0   | 0  | 0   | 0  | \$0                          |
| 0   | 0  | 0   | 0  | \$0                          |
| 61  | 2,440  | 122   | 244  | \$307,265.54                 |
| 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   | 0  | 0   | 0  | \$0                          |
| 61  | 976  | 48.8  | 97.6   | \$122,906.22                 |
| 61  | 976  | 48.8  | 97.6   | \$122,906.22                 |
| 3   | 12   | 0.6   | 1.2  | \$1,511.14                   |
| 0   | 0  | 0   | 0  | \$0                          |
|   |  | <b>5,135</b>                                  |  | <b>\$562,270.75</b>          |
|   |  |   |  |                              |
|   |  |   |  |                              |
|   |  |   |  |                              |
| 61  | 4,758  | 237.9   | 475.8  | \$599,167.80                 |
| 61  | 22,265                                       | 1,113.25                                      | 2,226.5                                      | \$2,803,798.05               |
| 61  | 2,928  | 146.4   | 292.8  | \$368,718.65                 |
| 61  | 1,952  | 97.6  | 195.2  | \$245,812.43                 |
|   |  |   |  |                              |
|   |  | <b>36,688</b>                                 |  | <b>\$4,017,496.94</b>        |
|   |  | <b>41,800</b>                                 |  | <b>\$4,580,000</b>           |
|   |  |   |  | \$351,000                    |
|   |  |   |  | <b>\$4,930,000</b>           |

ufacturing cyanide, 26 manufacturing ethylene, and 3 manufacturing spandex, with no

are from the United States Department of Labor, Bureau of Labor Statistics, June 2017, "Table  
ave been increased by 110 percent to account for the benefit packages available to those

**Table 2: Annual Agency Burden and Cost - NESHAP for Carbon Black, Ethylene, Cyanide**

| REPORTING/RECORDKEEPING REQUIREMENT   | (A)<br>Person-hours per occurrence | (B)<br>No. of occurrences per respondent per year | (C)<br>Person-hours per respondent (C=AxB) |
|---|------------------------------------|---|--|
|   |                                    |   | (A) x (B)                                  |
| <b>INITIAL PERFORMANCE TESTS</b>  |                                    |   |  |
| New or Modified Facility  | 5                                  | 1   | 5  |
| Repeat of Performance Tests   | 5                                  | 0.1   | 0.5  |
| <b>REPORT REVIEW</b>  |                                    |   |  |
| Notification of Applicability   | 2                                  | 1   | 2  |
| Notification of Construction/Reconstruction   | 2                                  | 1   | 2  |
| Notification of Anticipated Startup   | 2                                  | 1   | 2  |
| Notification of Actual Startup  | 2                                  | 1   | 2  |
| Request for Extension of Compliance   | 2                                  | 1   | 2  |
| Notification of Special Compliance Requirements   | 2                                  | 1   | 2  |
| Notification of Performance Test Dates  | 2                                  | 1.1   | 2.2  |
| Notification of Operating Parameter Value and Rationale Selection   | 2                                  | 1   | 2  |
| Notification of Compliance Status   | 2                                  | 1   | 2  |
| Review Report of Initial Performance Test   | 5                                  | 1.1   | 5.5  |
| Review Reporting Results of Continuous Monitoring System Performance Report and Summary Report                    | Included in Review                 | of Performance                                    | Test Report                                |
| Review Periodic & Semiannual Reports  | 5                                  | 2   | 10   |
| Review Excess Emission Report and Continuous Monitoring System Performance Report and Summary Report <sup>c</sup> | 20                                 | 2   | 40   |
| Review Immediate Startup, Shutdown, Malfunction Report  | 8                                  | 1   | 8  |
| Review Request for Waiver of Reporting and Recordkeeping  | 2                                  | 1   | 2  |
|   |                                    |   |  |
| Subtotal  |                                    |   |  |
| <b>TOTAL ANNUAL BURDEN AND COST (rounded)<sup>e</sup></b>   |                                    |   |  |

<sup>a</sup> We have assumed that there are approximately 61 respondents, consisting of 18 manufacturing carbon black, 14 m with no additional new or reconstructed sources becoming subject to the rule over the next three years.

<sup>b</sup> This ICR uses the following labor rates: \$48.08 (technical), \$64.80 (managerial), and \$26.02 (clerical). These rate which excludes locality rates of pay. The rates have been increased by 60 percent to account for the benefit packages

<sup>c</sup> Includes review of periodic startup, shutdown and malfunction report.

<sup>d</sup> We have assumed that only 5% (3) respondents per year will need to submit an immediate SSM report.

<sup>e</sup> Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

**, and Spandex (40 CFR Part 63, Subpart YY) (Renewal)**

| (D)<br>Respondents<br>per year <sup>a</sup> | (E)<br>Technical<br>person-hours<br>(E=CxD) | (F)<br>Managerial<br>person-hours<br>(Ex0.05) | (G)<br>Clerical person-<br>hours<br>(Ex0.10) | (H)<br>Cost, \$ <sup>b</sup> |
|---|---|---|--|------------------------------|
|   | (C) x (D)                                   | (E) x 0.05                                    | (E) x 0.10                                   |                              |
| 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   | 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   | 0   | 0  | \$0                          |
| 0   | 0   | 0   | 0  | \$0                          |
| 61  | 610   | 30.5  | 61   | \$32,892.42                  |
| 61  | 2,440                                       | 122   | 244  | \$131,569.68                 |
| 3   | 24  | 1.2   | 2.4  | \$1,294.13                   |
| 0   | 0   | 0   | 0  | \$0                          |
|   | 3,074                                       | 153.7   | 307.4  | \$165,756.23                 |
|   | <b>3,540</b>                                |   |  | <b>\$166,000</b>             |

manufacturing cyanide, 26 manufacturing ethylene, and 3 manufacturing spandex,

s are from the Office of Personnel Management (OPM), 2017 General Schedule,  
s available to government employees.

**Capital/Startup vs. Operation and Maintenance (O&M) Cost:**

| (A)<br>Source Category<br>with Continuous<br>Monitoring Device | (B)<br>Capital/Startup Cost<br>for One Respondent | (C)<br>Number of New<br>Respondents | (D)<br>Total Capital/Startup<br>Cost, (B X C) | (E)<br>Annual O&M Costs<br>for One Respondent |
|--|---|-------------------------------------|---|---|
| CB   | N/A   | 0                                   | \$0   | \$9,545                                       |
| CY   | N/A   | 0                                   | \$0   | \$9,545                                       |
| ET   | N/A   | 0                                   | \$0   | \$734   |
| SP   | N/A   | 0                                   | \$0   | \$8,811                                       |
| TOTAL  | -   | 0                                   | \$0   | -   |

5

| (F)<br>Number of<br>Respondents with<br>O&M | (G)<br>Total O&M,<br>(E X F) |
|---|------------------------------|
| 18  | \$171,810                    |
| 14  | \$133,630                    |
| 26  | \$19,084                     |
| 3   | \$26,433                     |
| 61  | \$351,000                    |