

Table 1: Annual Respondent Burden and Cost – NESHAP for Friction Materials Manufacturing (4

Burden item	(A)	(B)	(C)	(D)
	Person hours per occurrence	No. of occurrences per respondent per year	Person hours per respondent per year (C=AxB)	Respondents per year ^a
1. Applications	N/A			
2. Survey and Studies	N/A			
3. Acquisition, installation and utilization of technology and systems	54	1	54	0
4. Reporting requirements				
A. Familiarize with regulatory requirements ^c	4.5	1	4.5	2
B. Required activities	See 4E			
C. Create information	See 4E			
D. Gather existing information	See 4E			
E. Write Report				
Notification of applicability	2	1	2	0
Notification of construction/reconstruction	2	1	2	0
Notification of anticipated startup	2	1	2	0
Notification of actual startup	2	1	2	0
Notification of compliance status	4	1	4	0
Semiannual report of deviation ^d	9	2	18	0.3
Semiannual report of no deviation ^e	8	2	16	1.7
Subtotal for Reporting Requirements				
5. Recordkeeping requirements				
A. Familiarize with regulatory requirements ^c	See 4A			
B. Plan activities	See 5E			
C. Implement activities	See 5E			
D. Develop record system	See 5E			
E. Time to enter information				
Records of solvent weight measurements ^f	0.033	2,600	86	2
Records of block average solvent weight ^g	2	52	104	2
Copies of notifications/reports ^h	0.25	3	0.8	2
F. Time to train personnel ⁱ	20	1	20	2
G. Time to transmit or disclose information ^h	0.25	3	0.8	2
H. Time to audit	N/A			
Subtotals for Recordkeeping Requirements				
Total Labor Burden and Costs (rounded) ^j				
Total Capital and O&M Cost (rounded) ^j				
GRAND TOTAL (rounded) ^j				

Assumptions:

^a We have assumed that there are 2 existing sources, and that no additional new or reconstructed sources will become subject to

^b This ICR uses the following labor rates: \$122.66 (technical), \$149.84 (managerial), and \$60.88 (clerical). These rates are from Statistics, September 2020, “Table 2. Civilian workers, by occupational and industry group.” The rates are from column 1, “Total” account for the benefit packages available to those employed by private industry.

^c We have assumed that all respondents will have to familiarize with the regulatory requirements each year.

- ^d We have assumed that 15 percent of respondents will report deviation(s).
- ^e We have assumed that 85 percent of respondents will report no deviation.
- ^f We have assumed that solvent weights are recorded once per hour (2 minutes [0.033 hr] per record) for 2,600 hours per year (

- ^g It is assumed that information would be entered once per week for 52 weeks per year.
- ^h We have assumed that a typical plant transmits the deviation report once a year and no deviation report semiannually for a total
- ⁱ We have assumed that it will take 20 hours per plant once a year to train personnel.
- ^j Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

0 CFR Part 63, Subpart QQQQ) (Renewal)

(E)	(F)	(G)	(H)
Technical person- hours per year (E=CxD)	Management person hours per year (F=Ex0.05)	Clerical person hours per year (G=Ex0.1)	Total Annual Cost, \$ ^b
0	0	0	\$0
9	0.45	0.9	\$1,226.16
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
5.4	0.27	0.54	\$735.70
27	1.4	2.7	\$3,705.73
48			\$5,668
172	8.6	17	\$23,378.78
208	10	21	\$28,337.92
1.5	0.08	0.15	\$204.36
40	2	4	\$5,449.60
1.5	0.08	0.15	\$204.36
486			\$57,575
534			\$63,200
			\$544
			\$63,700

Labor Rates	
Managerial	\$149.84
Technical	\$122.66
Clerical	\$60.88

Responses hr/response
 4 134

o the rule over the three-year period of this ICR.
 n the United States Department of Labor, Bureau of Labor
 otal compensation.” They have been increased by 110 percent to

(industry average annual operating hours for solvent mixers).

tal of three times per year.

Table 2: Average Annual EPA Burden and Cost – NESHAP for Friction Materials Manufact

Activity	(A)	(B)	(C)	(D)
	EPA person-hours per occurrence	No. of occurrences per plant per year	EPA person-hours per plant per year (C=AxB)	Plants per year ^a
1. Excess emissions enforcement activities ^c	48	1	48	0.1
2. Report review				
Notification of applicability	2	1	2	0
Notification of construction/ reconstruction	2	1	2	0
Notification of anticipated startup	2	1	2	0
Notification of actual startup	2	1	2	0
Notification of compliance status	40	1	40	0
Semiannual report of deviation ^d	20	2	40	0.3
Semiannual report of no deviation ^e	2	2	4	1.7
TOTAL (rounded) ^f				

Assumptions:

^a We have assumed that there are 2 existing sources, and that no additional new or reconstructed sources will become s

^b This ICR uses the following labor rates: \$51.23 (technical), \$69.04 (managerial), and \$27.73 (clerical). These rates a 2021 General Schedule, which excludes locality rates of pay. The rates have been increased by 60 percent to account for employees.

^c We have assumed that 5 percent of plants will be involved in excess emissions enforcement activities.

^d We have assumed that 15 percent of respondents will report a deviation.

^e We have assumed that 85 percent of respondents will report no deviation.

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

iring (40 CFR Part 63, Subpart QQQQ) (Renewal)

(E)	(F)	(G)	(H)
Technical person-hours per year (E=CxD)	Management person-hours per year (F=Ex0.05)	Clerical person-hours per year (G=Ex0.1)	Cost, \$ b
4.8	2.4	0.48	\$424.91
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
12	6	1.2	\$1,062.28
6.8	3.4	0.68	\$601.96
38			\$2,090

Labor Rates	
Managerial	\$69.04
Technical	\$51.23
Clerical	\$27.73

subject to the rule over the three-year period of this ICR.
 re from the Office of Personnel Management (OPM),
 or the benefit packages available to government

Capital/Startup vs. Operation and Maintenance (O&M) Costs					
(A)	(B)	(C)	(D)	(E)	(F)
Continuous Monitoring Device	Capital/Startup Cost for One Respondent	Number of New Respondents	Total Capital/Startup Cost, (B X C)	Annual O&M Costs for One Respondent	Number of Respondents with O&M
Monitoring Control Device	\$2,139	0	\$0	\$272	2
					Total

Number of Respondents					
	Respondents That Submit Reports		Respondents That Do Not Submit Any Reports		
	(A)	(B)	(C)	(D)	(E)
Year	Number of New Respondents ¹	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	Number of Respondents (E=A+B+C-D)
1	0	2	0	0	2
2	0	2	0	0	2
3	0	2	0	0	2
Average	0	2	0	0	2

Total Annual Responses				
(A)	(B)	(C)	(D)	(E)
Information Collection Activity	Number of Respondents	Number of Responses	Number of Existing Respondents That Keep Records But Do Not Submit Reports	Total Annual Responses E=(BxC)+D
Notification of applicability	0	1	N/A	0
Notification of construction/reconstruction	0	1	N/A	0
Notification of anticipated startup	0	1	N/A	0
Notification of actual startup	0	1	N/A	0
Notification of compliance status	0	1	N/A	0
Semiannual report of deviation	0.3	2	N/A	0.6
Semiannual report with no deviation	1.7	2	N/A	3.4
			Total	4

(G)
Total O&M, (E x F)
\$544
\$544