

**Table 1a: Annual Respondent Burden and Cost - NSPS for Wool Fiberglass Insulation Manufacturing Pl**

Burden Items	(A) Hours per Occurrence	(B) Occurrences per Year	(C) Hours per Year (C=AxB)	(D) Respondents per Year <sup>a</sup>
1. Applications	N/A			
2. Survey and Studies	N/A			
3. Reporting Requirements				
A. Familiarize with regulatory requirements <sup>c</sup>	1	1	1	32
B. Required activities				
Initial performance tests <sup>d</sup>	72	1	72	0
Repeat performance tests <sup>e</sup>	72	0.2	14.4	0
C. Create information				
D. Gather existing information				
E. Write Report				
Notification of construction/reconstruction <sup>f</sup>	2	1	2	0
Notification of actual startup <sup>f</sup>	2	1	2	0
Notification of physical or operational change <sup>f</sup>	2	1	2	0
Notification of initial performance test <sup>f</sup>	2	1	2	0
Report of performance test	See 3B			
Semiannual exceedance report <sup>g</sup>	4	2	8	32
<b>Subtotal for Reporting Requirements</b>				
4. Recordkeeping Requirements				
A. Familiarize with regulatory requirements <sup>c</sup>	See 3A			
B. Plan activities	See 3B			
C. Implement activities	See 3B			
D. Develop record system	N/A			
E. Time to enter information				
40 CFR Part 60, Subpart PPP				
Records of operating parameters and emissions <sup>h,i</sup>	0.25	250	62.5	32
Records of startups, shutdowns, and malfunctions <sup>j</sup>	1	1	1	32
F. Train Personnel	N/A			
G. Audits	N/A			
<b>Subtotal for Recordkeeping Requirements</b>				
<b>Total Annual Burden and Cost (rounded) <sup>k</sup></b>				
<b>Capital and O&amp;M Cost (rounded) <sup>k</sup></b>				
<b>Grand Total (rounded) <sup>k</sup></b>				

**Assumptions:**

- <sup>a</sup> We have assumed that there are approximately 32 respondents, with no additional new or reconstructed sources bec
- <sup>b</sup> This ICR uses the following labor rates: Managerial \$138.43 (\$65.92 + 110%), Technical \$106.45 (\$50.69 + 110%
- <sup>c</sup> We have assumed that all existing respondents will each take one hour to re-familiarize with the regulatory require
- <sup>d</sup> We assume that it will take each respondent 72 hours to complete initial performance tests.

- <sup>e</sup> We assume that 20 percent of respondents will have to repeat the initial performance tests due to failures.
- <sup>f</sup> We assume that each respondent will take two hours to prepare notification reports.
- <sup>g</sup> We assume that each respondent will take four hours to prepare semiannual report.
- <sup>h</sup> We assume that 0.25 hours is required to record operating parameters.
- <sup>i</sup> We assume that each respondent will take 1 hour to enter operating parameters and emissions records, 250 days per
- <sup>j</sup> We assume that it will take one hour per years for each respondent to record startups, shutdowns, malfunctions.etc.
- <sup>k</sup> Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

**ants (40 CFR Part 60, Subpart PPP) (Renewal)**

106.45      138.43      52.77

(E) Technical Hours per Year (E=CxD)	(F) Managerial Hours per Year (F=Ex0.05)	(G) Clerical Hours per Year (G=Ex0.1)	(H) Cost, \$ <sup>b</sup>
32	1.6	3.2	\$3,796.75
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
256	12.8	25.6	\$30,374.02
<b>331</b>			<b>\$34,171</b>
2,000	100	200	\$237,297
32	1.6	3.2	\$3,796.75
<b>2,337</b>			<b>\$241,094</b>
<b>2,670</b>			<b>\$275,000</b>
			<b>\$528,000</b>
			<b>\$803,000</b>

coming subject to the rule over the next three years..

), and Clerical \$52.77 (\$25.13 + 110%). These rates are from the United States Department of Labor, Bureau of Labor Statistics each year.

r year.

or Statistics, September 2015, "Table 2. Civilian Workers, by occupational and industry group." The rates are from colour

nn 1, "Total compensation." The rates have been increased by 110 percent to account for the benefit packages available

to those employed by private industry. This ICR assumes that Clerical hours are 10% of Technical hours and Manageria

l hours are 5% of Technical hours.



**Table 1b: Annual Respondent Burden and Cost - NESHAP for Wool Fiberglass Insulation Manufacturing**

Burden Items	(A) Hours per Occurrence	(B) Occurrences per Year	(C) Hours per Year (C=AxB)	(D) Respondents per Year <sup>a</sup>
1. Applications	N/A			
2. Survey and Studies	N/A			
3. Reporting Requirements				
A. Familiarize with regulatory requirements <sup>c</sup>	8	1	8	10
B. Required activities				
Initial performance tests <sup>d</sup>	980	1	980	0
Repeat initial performance tests <sup>e</sup>	980	0.2	196	0
Operations, maintenance, and monitoring plan <sup>h</sup>	40	1	40	0
Startup, shutdown, and malfunction plan <sup>i</sup>	40	1	40	0
C. Create information	8	1	8	10
D. Gather existing information				
E. Write Report				
Notification of applicability <sup>j</sup>	2	1	2	0
Notification of construction/reconstruction <sup>j</sup>	2	1	2	0
Notification of actual startup <sup>j</sup>	2	1	2	0
Notification of special compliance requirements <sup>j</sup>	2	1	2	0
Notification of initial performance test <sup>j</sup>	2	1	2	0
Notification of compliance status <sup>j</sup>	2	1	2	0
Request for extension of compliance, adjustments to time periods, and changes in information <sup>j, k</sup>	2	1	2	0
Report of performance test	See 3B			
Excess emissions report <sup>k, n</sup>	16	2	32	2
Report of no excess emissions <sup>n, o</sup>	1	2	2	8
Quality improvement plan <sup>o</sup>	40	1	40	0
Startup, shutdown, and malfunction plan <sup>q, r</sup>	8	2	16	1
<b>Subtotal for Reporting Requirements</b>				
4. Recordkeeping Requirements				
A. Familiarize with regulatory requirements <sup>c</sup>	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 and emissions <sup>s</sup>	9	52	468	10
F. Train Personnel	N/A			
G. Audits	N/A			
H. Time to transmit or disclose information	8	1	8	13
<b>Subtotal for Recordkeeping Requirements</b>				

<b>Total Annual Burden and Cost (rounded) <sup>t</sup></b>				
<b>Capital and O&amp;M Cost (rounded) <sup>t</sup></b>				
<b>Grand Total (rounded) <sup>t</sup></b>				

**Assumptions:**

- <sup>a</sup> We have assumed that there are approximately 10 respondents, with 2 reconstructed sources becoming subject to t
- <sup>b</sup> This ICR uses the following labor rates: Managerial \$138.43 (\$65.92 + 110%), Technical \$106.45 (\$50.69 + 110%
- <sup>c</sup> We have assumed that all existing respondents will each take one hour to re-familiarize with the regulatory require
- <sup>d</sup> We assume that it will take each respondent 980 hours to complete initial performance tests.
- <sup>e</sup> We assume that 20 percent of respondents will have to repeat the initial performance tests due to failures.
- <sup>h</sup> We assume that each respondent will take 40 hours to prepare the operations, maintenance, and monitoring plan.
- <sup>i</sup> We assume that each respondent will take 40 hours to prepare the startup, shutdown, and malfunction plan.
- <sup>j</sup> We assume that it will take each respondent two hours to prepare each of the notifications.
- <sup>k</sup> We assume that it will take each respondent one hour to write the extension of compliance; adjustments to time pe
- <sup>l</sup> We assume that it will take each respondent 16 hours to prepare excess emissions reports.
- <sup>m</sup> We assume that 20 percent of respondents are required to prepare excess emissions reports.
- <sup>n</sup> We assume that each respondent will take one hour to prepare no excess emissions reports.
- <sup>o</sup> We assume that 80 percent of respondents will submit the no excess emissions reports.
- <sup>p</sup> We assume that 40 percent of respondents are required to prepare the quality improvement plan.
- <sup>q</sup> We assume that 10 percent of respondent will take eight hours to prepare startup, shutdown, and malfunction repo
- <sup>r</sup> We assume that 10 percent of respondents are required to submit annual startup, shutdown, malfunction reports.
- <sup>s</sup> We assume that it will take each respondent nine hours each week to record records of operating parameters and e
- <sup>t</sup> Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

**g Plants (40 CFR Part 63, Subpart NNN) (Renewal)**

106.45      138.43      52.77

(E) Technical Hours per Year (E=CxD)	(F) Managerial Hours per Year (F=Ex0.05)	(G) Clerical Hours per Year (G=Ex0.1)	(H) Cost, \$ <sup>b</sup>
80	4	8	\$9,491.88
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
80	4	8	\$9,491.88
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
64.0	3.2	6.4	\$7,593.50
16	0.8	1.6	\$1,898.38
0	0	0	\$0
16	0.8	1.6	\$1,898.38
<b>294</b>			<b>\$30,374</b>
4,680	234	468	\$555,274.98
104	5	10.4	\$12,339.44
<b>5,502</b>			<b>\$567,614</b>

<b>5,800</b>			<b>\$598,000</b>	8,470	873,000
			<b>\$93,900</b>	\$621,900	
			<b>\$692,000</b>		\$1,495,000

he rule over the next three years.

6), and Clerical \$52.77 (\$25.13 + 110%). These rates are from the United States Department of Labor, Bureau of Lab  
ments each year.

riods, and changes in information reports.

rts.

missions.

or Statistics, September 2015, "Table 2. Civilian Workers, by occupational and industry group." The rates are from colu

93900  
528000  
621900

mn 1, "Total compensation." The rates have been increased by 110 percent to account for the benefit packages available

to those employed by private industry. This ICR assumes that Clerical hours are 10% of Technical hours and Managerial

al hours are 5% of Technical hours.



**Table 2a: Average Annual EPA Burden and Cost - NSPS for Wool Fiberglass Insulation Manufacturing Plants (**

47.62

Burden Items	(A) EPA Hours per Occurrence	(B) Occurrences per Year	(C) EPA Hours per Year (C=AxB)	(D) Plants per Year <sup>a</sup>	(E) Technical Hours per Year (E=CxD)
1. Initial performance tests					
A. New or modified plant <sup>c</sup>	24	1	24	0	0
2. Repeat performance tests			0		
A. New or modified plant <sup>c, d</sup>	24	0.2	4.8	0	0
3. Report Review					
A. New or modified plant					
Notification of construction/reconstruction	2	1	2	0	0
Notification of actual startup	1	1	1	0	0
Notification of physical or operational change	2	1	2	0	0
Notification of initial performance test	1	1.2	1.2	0	0
Review performance test results <sup>e</sup>	8	1.2	9.6	0	0
Review semiannual exceedance/no exceedance reports <sup>f</sup>	2	2	4	32	128
<b>Total Annual Burden and Cost (rounded)<sup>g</sup></b>					

**Assumptions:**

- <sup>a</sup> We have assumed that there are approximately 32 respondents, with no additional new or reconstructed sources becoming
- <sup>b</sup> This ICR uses the following labor rates: Managerial \$64.16 (GS-13, Step 5, \$40.10 + 60%) , Technical \$47.62 (GS-12, St
- <sup>c</sup> We have assumed that it will take 24 hours for each new plant to participate in the performance testing.
- <sup>d</sup> We assume that 20 percent of new or modified plants will have to repeat performance test due to failures.
- <sup>e</sup> We assume that each new or modified plant will take eight hour 1.2 times per year to review the performance test results
- <sup>f</sup> We have assumed that each plant will take two hours two times per year to review the semiannual exceedance/no exceeda
- <sup>g</sup> Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

**40 CFR Part 60, Subpart PPP) (Renewal)**

64.16      25.76

(F) Managerial Hours per Year (F=Ex0.05)	(G) Clerical Hours per Year (G=Ex0.1)	(H) Cost, \$ <sup>b</sup>
0	0	\$0
0	0	\$0
0	0	\$0
0	0	\$0
0	0	\$0
0	0	\$0
0	0	\$0
6.4	12.8	\$6,835.71
<b>147</b>		<b>\$6,840</b>

\$14,960

subject to the rule over the next three years.

Step 1, \$29.76 + 60%), and Clerical \$25.76 (GS-6, Step 3, \$16.10 + 60%). These rates are from the Office of Personnel Mar

reports.

nce reports

agement (OPM), 2016 General Schedule, which excludes locality rates of pay. The rates have been increased by 60 per

cent to account for the benefit packages available to government employees. This ICR assumes that Clerical hours are 10

0% of Technical hours and Managerial hours are 5% of Technical hours.

**Table 2b: Average Annual EPA Burden and Cost - NESHAP for Wool Fiberglass Insulation Manufact**

Burden Items	(A) EPA Hours per Occurrence	(B) Occurrences per Year	(C) EPA Hours per Year (C=AxB)	(D) Plants per Year <sup>a</sup>
1. Initial performance tests				
A. New or modified plant <sup>c</sup>	40	1	40	0
2. Repeat performance tests				
A. New or modified plant <sup>c, d</sup>	40	0.2	8	0
3. Report Review				
A. New or modified plant				
Notification of applicability <sup>e</sup>	2	1	2	0
Notification of construction/reconstruction <sup>e</sup>	2	1	2	0
Notification of actual startup <sup>e</sup>	2	1	2	0
Notification of special compliance requirements <sup>e</sup>	1	1	1	0
Notification of initial performance test <sup>e</sup>	2	1	2	0
Notification of compliance status <sup>e</sup>	2	1	2	0
Request for extension of compliance, adjustments to time periods, and changes in information <sup>f</sup>	2	1	2	0
Report of initial performance test	40	1	40	0
Excess emissions report <sup>g</sup>	20	2	40	2
Report of no excess emissions <sup>h</sup>	2	2	4	8
Quality improvement plan <sup>i</sup>	40	1	40	0
Startup, shutdown, and malfunction plan <sup>i</sup>	40	1	40	0
Operations, maintenance, and monitoring plan <sup>i</sup>	40	1	40	0
Startup, shutdown, and malfunction report <sup>j</sup>	20	2	40	1
<b>Total Annual Burden and Cost (rounded) <sup>k</sup></b>				

**Assumptions:**

a We have assumed that there are approximately 10 respondents, with no additional new or reconstructed source

b This ICR uses the following labor rates: Managerial \$64.16 (GS-13, Step 5, \$40.10 + 60%) , Technical \$47.6.

c We have assumed that it will take 40 hours for each new plant to participate in the performance testing.

d We assume that 20 percent of new or modified plants will have to repeat performance test due to failures.

e We assume that each new or modified plant will take two hour once per year to review the notification reports

f We assume that each new or modified plant will take two hours once per year to completed request.

g We assume that 20 percent of plants will submit excess emissions reports twice per year.

h We assume that 80 percent of plants will submit the no excess emissions report twice per year.

i We assume that it will take 40 hours once per year to review plans.

j We assume that it will take 20 hours twice per year to review startup, shutdown, and malfunction report and 1

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

**uring Plants (40 CFR Part 63, Subpart NNN) (Renewal)**

47.62      64.16      25.76

(E) Technical Hours per Year (E=CxD)	(F) Managerial Hours per Year (F=Ex0.05)	(G) Clerical Hours per Year (G=Ex0.1)	(H) Cost, \$ <sup>b</sup>
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
80	4.0	8	\$4,272.32
32	1.6	3.2	\$1,708.93
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
40	2	4	\$2,136.16
<b>175</b>			<b>\$8,120</b>

as becoming subject to the rule over the next three years.

2 (GS-12, Step 1, \$29.76 + 60%), and Clerical \$25.76 (GS-6, Step 3, \$16.10 + 60%). These rates are from the Office of P

5.

0 percent of plants will submit startup, shutdown and malfunction reports.

ersonnel Management (OPM), 2016 General Schedule, which excludes locality rates of pay. The rates have been increas



sed by 60 percent to account for the benefit packages available to government employees. This ICR assumes that Clerica

l hours are 10% of Technical hours and Managerial hours are 5% of Technical hours.