

RRR) (Renewal)

Burden item	(A)	(B)	(C)
	Person hours per occurrence	No. of occurrences per respondent per year	Person hours per respondent per year (C=AxB)
1. Applications	N/A		
2. Surveys and studies	N/A		
3. Acquisition, installation, and utilization of technology and systems ^c	54	1	54
4. Reporting requirements			
a. Familiarization with Regulatory Requirements ^d	1	1	1
b. Required activities			
Initial performance test ^{e, f}	24	1	24
Repeat performance test ^{e, f}	24	0.2	4.8
Operating, maintenance and monitoring plan ^{e, f}	32	1	32
Startup, shutdown, malfunction (SSM) plan ^g	N/A		
c. Create information	See 4B		
d. Gather existing information	See 4B		
e. Write report			
Notification of applicability ^{e, f}	2	1	2
Notification of construction/reconstruction	N/A		
Notification/report of actual startup	N/A		
Notification of special compliance requirements	N/A		
Notification of performance test ^e	2	1	2
Notification of compliance status ^e	4	1	4
Waiver application ^g	2	1	2
Report of performance test	See 4B		
Semiannual reports ^h	8	2	16
Changing furnace classification ⁱ	2	1	2
Subtotal for Reporting Requirements			
5. Recordkeeping requirements			
a. Familiarization with Regulatory Requirements	See 4A		
b. Plan activities	See 4E		
c. Implement activities	See 4B		
Verify lime injection rate	0.1	36	3.6
Changing furnace classification ⁱ	2	1	2
d. Develop record system	N/A		
e. Time to enter/transmit information			
Records of all information required by the standards	N/A		
Major sources ^j	1.5	52	78
Area sources ^k	0.5	52	26
f. Time to train personnel ^l	4	1	4

g. Time to adjust existing ways to comply with previous applicable requirements	N/A		
h. Time to disclose information			
New sources ^m	0.25	2	0.5
All sources ⁿ	0.25	2	0.5
Sources that changed furnace classification ⁱ	1	1	1
i. Time for audits	N/A		
Subtotal for Recordkeeping Requirements			
TOTAL LABOR BURDEN AND COST (rounded)^o			
Total Capital/O&M Costs (rounded)^o			
Grand Total (Labor and Capital/O&M Costs)(rounded)^o			

Assumptions:

^a We have assumed that the average number of respondents that will be subject to this rule will be 161, of which 53 ; period of this ICR.

^b This ICR uses the following labor rates: \$147.40 per hour for Executive, Administrative, and Managerial labor; \$1 from the United States Department of Labor, Bureau of Labor Statistics, June 2018 “Table 2. Civilian Workers, by O rates have been increased by 110% to account for the benefit packages available to those employed by private industri

^c We have assumed that it will take each new respondent 54 hours to complete the task. This burden cost is associat meet the required specifications of this subpart. No additional new major or areas sources are anticipated over the thi

^d We have assumed that it will take each respondent one hour to read and understand the reporting requirements.

^e It is assumed that new area sources will comply by meeting the equipment specifications rather than by conducting compliance with the applicable emission limit, equipment, work practice, or operational standard for affected source are no new respondents estimated, the initial requirements do not apply.

^f Since we have assumed that there will be no new sources over the next three-year period of this ICR, there will be 1 new area sources will not be required to conduct emissions testing to show compliance with the emission limit, since installed and meet the design residence time of 0.8 seconds or greater and an operating temperature of 1600 °F or gre monitoring plan for affected sources.

^g It is assumed that there will be no new sources requiring a waiver from the performance test requirements.

^h It is assumed that each respondent will take 8 hours to write semiannual report of excess emissions or no excess em

ⁱ An estimated 50 facilities would change furnace classifications once per year.

^j It is assumed that it will take 1.5 hours for major source respondents to enter and transmit records.

^k It is assumed that it will take 0.5 hours for existing area source respondents to enter and transmit records.

^l We have assumed that it will take 4 hours to train new employees.

^m We have assumed that it will take 0.25 hours to each new respondent to disclose information.

ⁿ We have assumed that it will take 0.25 hours for each respondent to disclose information.

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

117.92

147.4

57.02

(D)	(E)	(F)	(G)	(H)
Respondents per year ^a	Technical person- hours per year (E=CxD)	Management person hours per year (Ex0.05)	Clerical person hours per year (Ex0.1)	Total Cost Per year ^b
0	0	0	0	\$0
161	161	8.05	16.1	\$21,089.71
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
53	212	10.6	21.2	\$27,770.30
0	0	0	0	\$0
161	2,576	128.8	257.6	\$337,435.39
50	100	5	10	\$13,099.20
		3,506		\$399,395
161	579.6	28.98	57.96	\$75,922.96
50	100	5	10	\$13,099.20
53	4,134	206.7	413.4	\$541,520.93
108	2,808	140.4	280.8	\$367,825.54
0	0	0	0	\$0

<--- Note for EPA: rem

0	0	0	0	\$0
161	81	4.03	8.05	\$10,544.86
50	50	2.5	5	\$6,549.60
	8,857			\$1,008,913
	12,400			\$1,410,000
				\$4,110,000
				\$5,520,000

29 hr/respons

are major sources. There will be no additional new major or area sources over the three-year

17.92 per hour for Technical labor, and \$57.02 per hour for Clerical labor. These rates are occupational and Industry Group.” The rates are from column 1, “Total compensation.” The

ed with the monitoring of all control equipment ensuring that respondents of new respondents three-year period of this ICR.

performance tests. Respondents that are major sources are required to demonstrate initial or emission unit and report results in the notification of compliance status report. Since there

no new sources conducting initial performance tests. We have determined that respondents of it was determined that sweat furnaces sold in the United States now have an afterburner ater. All new respondents are required to submit for approval an operation, maintenance and

missions.

oved 4 hours - These are existing sources and rule has been in place, 1 hr is accounted in 4A and what was stated in

e

the footnote.

Activity	(A)	(B)	(C)
	EPA person-hours per occurrence	No. of occurrences per plant per year	EPA person-hours per plant per year (C=AxB)
Initial performance tests	40	1.4	56
Report performance test including retesting ^c	48	1	48
Notification of applicability	0.5	1	0.5
Notification of construction/reconstruction	N/A		
Notification of actual startup	N/A		
Notification of special compliance requirements	N/A		
Notification of performance test	2	1	2
Notification of compliance status ^d	2	1	2
Report of performance test ^c	40	1	40
Repeat of performance test report ^c	40	1	40
Semiannual reports ^e	4	2	8
Review performance test reports and reports from facilities changing furnace classification ^f	4	1	4
TOTAL ANNUAL BURDEN AND COST (rounded)^g			

Assumptions:

^a We have assumed that the average number of respondents that will be subject to this rule will be 161, of which 100 are new respondents and 61 are existing respondents during the period of this ICR.

^b This cost is based on the following hourly labor rates: \$65.71 for Managerial (GS-13, Step 5, \$41.07 + 60%), \$41.07 for Supervisory (GS-11, Step 5, \$25.67 + 60%). These rates are from the Office of Personnel Management (OPM) "2018 General Schedule" which excludes packages available to government employees.

^c We have assumed that all existing respondents are in compliance with the initial rule requirements. It is further assumed that existing respondents are not conducting performance test.

^d We have assumed that it will take 2 hours for each respondent to complete notification of compliance status.

^e We have assumed that each existing respondent will take 4 hours two times per year to complete the semiannual reports.

^f Assumes Agency will review all annual reports, including 4 HF tests/yr, 5 tests/yr for uncontrolled furnaces and 5 tests/yr for controlled furnaces.

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

	48.75	65.71	26.38	
(D)	(E)	(F)	(G)	(H)
Plants per year ^a	Technical person- hours per year (E=CxD)	Management person-hours per year (Ex0.05)	Clerical person-hours per year (Ex0.1)	Cost, \$ ^b
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
161	1288	64.4	128.8	\$70,419.47
59	236	11.8	23.6	\$12,902.95
		1,750		\$83,300

53 are major sources. There will be no additional new major or area sources over the three-year

48.75 for Technical (GS-12, Step 1, \$30.47 + 60%) and \$26.38 Clerical (GS-6, Step 3, \$16.49 des locality rates of pay. The rates have been increased by 60% to account for the benefit

assumed that new sweat furnaces will comply by meeting the equipment specification than by

l reports.

50 reports/yr for changing furnace classification.