

Table 1: Annual Respondent Burden and Cost - NSPS for Calciners and Dryers in Minera

Burden item	(A)	(B)	(C)
	Technical person-hours per occurrence	No. of occurrences per respondent per year	Technical person-hours per respondent per year (C=AxB)
1. Applications	N/A		
2. Survey and Studies	N/A		
3. Reporting Requirements			
A. Familiarization with Regulatory Requirements ^c	1	1	1
B. Required Activities			
Initial performance test ^d	330	1	330
Repeat performance test ^e	330	1	330
Scrubber demonstration ^f	2	1	2
Reference Method 9 text ^{g,h}	18	1	18
Re-calibration of continuous opacity monitors (COM) ⁱ	4	2	8
Re-calibration of scrubber ^{i,j}	4	2	8
C. Create Information	See 3B		
D. Gather existing information	See 3B		
E. Write report			
Notification of construction/reconstruction or modification	2	1	2
Notification of actual startup	2	1	2
Notification of demonstration of CMS	2	1	2
Notification of physical or operation change ^k	2	1	2
Notification of initial performance test	2	1	2
Notification of repeat performance test	2	0.2	0.4
Performance test report	8	1	8
Semiannual reports ^l	16	2	32
Subtotal for Reporting Requirements			
4. Recordkeeping requirements			
A. Familiarization with Regulatory Requirements ^c	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 startup, shutdowns, malfunctions ^m	1.5	1	1.5
F. Train to train personnel	N/A		
G. Audits	N/A		
Subtotal for Recordkeeping Requirements			

TOTAL LABOR BURDEN AND COST (rounded)^a			
TOTAL CAPITAL AND O&M COST (rounded) ^a			
GRAND TOTAL (rounded) ^a			

Assumptions:

^a We have assumed that the average number of respondents that will be subject to the rule over the three-year period regulation in the next three years.

^b This ICR uses the following labor rates: \$144.33 per hour for Executive, Administrative, and Managerial labor; \$ the United States Department of Labor, Bureau of Labor Statistics, September 2016, “Table 2. Civilian Workers, by have been increased by 110 percent to account for the benefit packages available to those employed by private indus

^c We assume that each respondent will have to familiarize with the regulatory requirements each year.

^d We have assumed that it will take 330 hours to complete a performance test.

^e We have assumed that 20 percent of new respondents will have to conduct a CMS demonstration.

^f We have assumed that 20 percent of new respondents will take two hours to conduct a scrubber demonstration.

^g We have assumed that 80 percent of new respondents will conduct a reference Method 9 test.

^h It will take respondents 18 hours to conduct a reference Method 9 test.

ⁱ It will take 4 hours to re-calibrate either the COM or the scrubber.

^j We have assumed that 20 percent of new respondents will re-calibrate the scrubber.

^k We have assumed that one respondent will notify the Agency regarding a physical or operational change.

^l We have assumed that it will take 16 hours for each respondent to complete the semiannual report of exceedances.

^m It will take each respondent 1.5 hours to record SSM information.

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

I Industries (40 CFR Part 60, Subpart UUU) (Renewal)

	108.28	144.33	53.34	
(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
167	167	8.35	16.7	\$20,178.69
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
1	2	0.1	0.2	\$241.66
0	0	0	0	\$0
0	0	0	0	\$0
0	0	0	0	\$0
167	5344	267.2	534.4	\$645,718.19
		6,340		\$666,139
167	250.5	12.53	25.05	\$30,268.04
		288		\$30,268

	6,630			\$696,000
				\$ 109,000
				\$ 805,000

1 of this ICR will be 167. It is estimated that no additional respondents will become subject to the

108.28 per hour for Technical labor, and \$53.34 per hour for Clerical labor. These rates are from occupational and industry group.” The rates are from column 1, “Total Compensation.” The rates vary by industry.

20 hr / response

Table 2: Average Annual EPA Burden - NSPS for Calciners and Dryers in Mineral Industries (40 t

Burden item	(A)	(B)	(C)	(D)
	Technical person hours per occurrence	Number of occurrences per year	Technical person hours per plant per year (C=AxB)	Plants per year ^a
Initial performance tests				
New or modified facility	40	1	40	0
Repeat performance tests				
New or modified facility	40	0.2	8	0
Report review				
New or modified facility				
Modification of construction/reconstruction or modification	2	1	2	0
Notification of actual startup	2	1	2	0
Notification of demonstration of CMS	2	1	2	0
Notification of physical or operational change ^c	2	1	2	1
Notification of initial performance test	2	1	2	0
Review demonstration of CMS ^d	4	1	4	0
Review test results ^e	8	1.2	9.6	0
Review of semiannual report of exceedances ^f	8	2	16	167
TOTAL LABOR BURDEN AND COST (rounded)^g				

Assumptions:

- ^a We have assumed that the average number of respondents that will be subject to the rule over the three-year period of this IC
- ^b This cost is based on the following hourly labor rates, increased by 60% to account for the benefit packages available to govt (\$40.50+60%), \$48.08 for Technical (GS-12, Step 1, \$30.05 + 60%) and \$26.02 Clerical (GS-6, Step 3, \$16.26 + 60%). These General Schedule” which excludes locality rates of pay.
- ^c We have assumed that one respondents will submit a notification of physical or operational change.
- ^d We have assumed that it will take four hours to review the CMS demonstration report.
- ^e We have assumed that it will take eight hours to review the performance test results.
- ^f It will take eight hours to review semiannual report of exceedances.
- ^g Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

CFR Part 60, Subpart UUU) (Renewal)

48.08 (E)	64.8 (F)	26.02 (G)	(H)
Technical hours per year (E=CxD)	Management hours per year (F=0.05xE)	Clerical hours per year (G=0.1xE)	Total Cost, per year ^b
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
2	0.1	0.2	\$107.84
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
2672	133.6	267.2	\$144,079.58
3,075			\$144,000

R will be 167. It is estimated that no additional respondents will become subject to the regulation in the next three years.

Government employees: \$64.80 for Managerial (GS-13, Step 5),
 rates are from the Office of Personnel Management (OPM) “2017

