

Table 1: Annual Respondent Burden and Cost – NSPS for Lime Manufacturing (40 CFR P

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. Survey and Studies	N/A		
3. Reporting Requirements			
A. Familiarize with regulatory requirements ^c	1	1	1
B. Required activities:			
Initial performance tests ^d	280	1	280
Reference Method 9 Test ^e	4	1.2	4.8
Repeat of performance test ^f	280	0.2	56
C. Create information	See 3B		
D. Gather Existing Information	See 3B		
E. Write report			
Notification of construction/reconstruction	2	1	2
Notification of actual startup	2	1	2
Notification of any physical or operational change	2	1	2
Notification of demonstration of continuous monitoring system	2	1	2
Notification of initial performance test	2	1	2
Notification that continuous monitoring system (CMS)	2	1	2
Performance test results	See 3B		
Semiannual excess emissions reports ^g	8	2	16
Subtotal for Reporting Requirements			
4. Recordkeeping requirements			
A. Familiarize with regulatory requirements	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 CMS operating parameters ^h	0.25	250	62.5
Records of startup, shutdown, malfunction ⁱ	1.5	1	1.5
F. Time to train personnel	N/A		
G. Time for audits	N/A		
Subtotal for Recordkeeping Requirements			
TOTAL LABOR BURDEN AND COST (rounded) ^j			
TOTAL CAPITAL AND O&M COST (rounded) ^j			
GRAND TOTAL (rounded) ^j			

Assumptions:

- ^a We have assumed that the average number of respondents that will be subject to the rule will be 41, and no addition.
- ^b This ICR uses the following labor rates: \$144.33 per hour for Executive, Administrative, and Managerial labor; \$1
- ^c We have assumed that all respondents will have to familiarize with the regulatory requirements each year.
- ^d We have assumed that it will take 280 hours to complete a performance test.
- ^e It will take respondents 4 hours to conduct a reference Method 9 test.
- ^f We have assumed that 20 percent of new respondents will have to repeat the performance test.
- ^g We have assumed that it will take 8 hour two times per year for each respondent to complete the semiannual report.
- ^h We have assumed that it will take 15 minutes, 250 days per year to record CMS operating parameters information.
- ⁱ We have assumed that it will take 1.5 hours once a year to record information on startup, shutdown, and malfunction.
- ^j Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

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	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 (F=Ex0.05)	Clerical person- hours per year (G=Ex0.1)	Total Annual Cost, \$ ^b
41	41	2.05	4.1	\$4,954.05
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
41	656	32.8	65.6	\$79,264.81
	802			\$84,219
41	2,562.5	128.13	256.25	\$309,628.16
41	61.5	3.08	6.15	\$7,431.08
	3,018			\$317,059
	3,820			\$401,000
				\$61,500
				\$463,000

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82 46.585366

mal new sources will become subject to the rule over the three-year period of this ICR.

.08.28 per hour for Technical labor, and \$53.34 per hour for Clerical labor. These rates are from the United States I

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Department of Labor, Bureau of Labor Statistics, September 2016, "Table 2: Civilian Workers, by Occupational and Industry group"

oup.” The rates are from column 1, “Total Compensation.” The rates have been increased by 110% to account for the benefit i

packages available to those employed by private industry.

Table 2: Average Annual EPA Burden and Cost – NSPS for Lime Manufacturing (40

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)
Activity:			
Initial performance tests ^c	38	1	38
Repeat performance test ^d	38	0.2	7.6
Report Review:			
Notification of construction/reconstruction ^e	2	1	2
Notification of actual startup	0.5	1	0.5
Notification of physical or operational change ^f	0.5	1	0.5
Notification of demonstration of CMS	0.5	1	0.5
Notification of CMS data to determine compliance	0.5	1	0.5
Performance test results ^g	8	1.2	9.6
Semiannual report ^h	4	2	8
TOTAL ANNUAL BURDEN AND COST (rounded) ⁱ			

Assumptions:

- ^a We have assumed that the average number of respondents that will be subject to the rule will be 41, and no
- ^b This cost is based on the following labor rates which incorporates a 1.6 benefits multiplication factor to acc
- ^c We have assumed that it will take 38 hours to observe an initial performance test.
- ^d We have assumed that 20 percent of new respondents will have to repeat the performance test.
- ^e It will take 2 hours to review construction/reconstruction report.
- ^f It will take 0.5 hours to review the physical or operational change review.
- ^g We have assumed that it will take 8 hours to review the performance test results report.
- ^h We have assumed that it will take 4 hour to review each semiannual reports.
- ⁱ Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

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48.08

64.8

26.02

(D)	(E)	(F)	(G)	(H)
Plants per year ^a	Technical person- hours per year (E=CxD)	Management person-hours per year (F=Ex0.05)	Clerical person- hours per year (G=Ex0.10)	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
0	0	0	0	\$0
41	328	16.4	32.8	\$17,686.42
	377			\$17,700

additional new sources will become subject to the rule over the three-year period of this ICR.

ount for government overhead expenses: Managerial rate of \$64.80 (GS-13, Step 5, \$40.50 + 60%), Technical rate of \$48

.08 (GS-12, Step 1, \$30.05 + 60%), and Clerical rate of \$26.02 (GS-6, Step 3, \$16.26 + 60%). These rates are from the C

Office of Personnel Management (OPM) “2017 General Schedule” which excludes locality rates of pay.