

Burden Item	(A)	(B)	(C)
	Respondent Hours per Occurrence	Number of Occurrences Per Respondent Per Year	Hours Per Respondent Per Year (C=AxB)
1. Applications	N/A		
2. Surveys and Studies	N/A		
3. Reporting Requirements			
A. Familiarize with regulatory requirements ^c	1	1	1
B. Required Activities			
1) Initial stack test and report (PM, dioxins/furans, opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2)	See Capital/ Startup Costs		
2) Annual stack test and test report (PM, HCl, Opacity, and Fugitive Ash)	See O&M Costs		
3) Operator training and qualification			
a) Establish and teach operator qualification course ^d	64	1	64
b) Obtain operator qualification ^d	72	1	72
c) Annual refresher course	12	1	12
d) Initial review of site-specific information	See 3A		
e) Annual review of site-specific information	8	1	8
4) Establish operating parameters (maximum and minimum) ^d	40	1	40
5) Continuous parameter monitoring (including CEMS)			
a) Initial monitoring	17	1	17
b) Annual monitoring	17	1	17
C. Create Information	See 3B		
D. Gather Information	See 3E		
E. Report Preparation			
1) Notification of initial performance test ^d			
a) Pollutants, fugitive ash emissions	2	1	2
b) Fugitive Ash Emissions	1	1	1
2) Notification of initial CMS Demonstration ^d	2	1	2
3) Report of initial performance test ^d			
a) Pollutants, fugitive ash emissions	8	1	8
b) Fugitive Ash Emissions	2	1	2
4) Report of initial CMS demonstration	See Capital/ Startup Costs		
5) Report prior to construction (includes siting analysis) ^d	160	1	160
6) Report prior to initial start-up ^{d,e}			
a) Without site specific parameter petition	6	1	6
b) With site specific parameter petition	14	1	14
7) Report of initial stack test	See 3B(1)		
8) Report established values for site-specific operating parameters	See 3B		
9) Waste management plan ^d	160	1	160
10) Annual Report:			
a) Results of performance tests conducted during the year	40	1	40

11) Notification for qualified operators that are off-site for more than 2 weeks ^f	8	2	16
12) Status report for qualified operators that are off-site for more than 2 weeks ^f	8	2	16
13) Semiannual report of emissions/parameter exceedances ^g	24	2	48
Subtotal for Reporting Requirements			
4. Recordkeeping Requirements			
A. Familiarize with regulatory requirements	See 3A		
B. Plan Activities	N/A		
C. Implement Activities	N/A		
D. Develop Record System	N/A		
E. Record Information			
1) Records of operating parameters	See 3B(5b)		
2) Records of periods for which minimum amount of data on operating parameters were not obtained	0.5	52	26
3) Records of malfunction of the unit	1.5	1	1.5
4) Records of exceedances of the operating parameters ^g	1.5	2	3
5) Records of stack tests	See 3E		
6) Records of siting analysis	See 3E		
7) Records of persons who have reviewed operating procedures	1	1	1
8) Records of persons who have completed operator training	1	1	1
9) Records of persons who meet operator qualification criteria	1	1	1
10) Records of monitoring device calibration	See 3B		
11) Records of site-specific documentation ^e	24	1	24
F. Personnel Training	See 3B		
G. Time for Audits	N/A		
Subtotal for Recordkeeping Requirements			
TOTAL LABOR BURDEN AND COST (rounded) ^h			
TOTAL CAPITAL AND O&M COST (rounded) ^h			
GRAND TOTAL (rounded) ^h			

Assumptions:

- a We assume there are 8 existing sources subject to the rule and 1 additional source per year will become subject to the rule.
- b This ICR uses the following labor rates based on Department of Labor, Bureau of Labor Statistics (BLS) data “Table A-1. Hourly earnings of production and nonsupervisory employees on the nonfarm business sector in manufacturing industries, by sex, race, and hispanic or latino ethnicity, 2017”.
- c We assume that all sources will have to familiarize with the regulatory requirements each year.
- d One-time only costs (1 new respondent per year).
- e Assumed that one-third of the facilities will petition for site-specific parameters.
- f We assume that 10 percent of the facilities would not have a qualified operator available for more than two weeks a year.
- g Assumed that 10 percent of the facilities would have an exceedance during the year.
- h Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

106.45 138.43 52.77

(D)	(E)	(F)	(G)	(H)
Number of Respondents Per Year ^a	Technical Hours Per Year (E=CxD)	Management Hours Per Year (F=Ex0.05)	Clerical Hours Per Year (G=Ex0.1)	Total Labor Costs Per Year ^b
8	8	0.4	0.8	\$949.19
1	64	3.2	6.4	\$7,593.50
1	72	3.6	7.2	\$8,542.69
8	96	4.8	9.6	\$11,390.26
8	64	3.2	6.4	\$7,593.50
1	40	2	4	\$4,745.94
1	17	0.85	1.7	\$2,017.02
8	136	6.8	13.6	\$16,136.20
1	2	0.1	0.2	\$237.30
1	1	0.05	0.1	\$118.65
1	2	0.1	0.2	\$237.30
1	8	0.4	0.8	\$949.19
1	2	0.1	0.2	\$237.30
1	160	8	16	\$18,983.76
0.67	4.02	0.2	0.4	\$476.97
0.33	4.62	0.23	0.46	\$548.16
1	160	8	16	\$18,983.76
8	320	16	32	\$37,967.52

0.8	12.8	0.64	1.28	\$1,518.70
0.8	12.8	0.64	1.28	\$1,518.70
0.8	38.4	1.92	3.84	\$4,556.10
	1,408			\$145,302
0	0	0	0	\$0
0	0	0	0	\$0
0.8	2.4	0.12	0.24	\$284.76
8	8	0.4	0.8	\$949.19
8	8	0.4	0.8	\$949.19
8	8	0.4	0.8	\$949.19
0.33	7.92	0.396	0.792	\$939.70
	39			\$4,072
	1,450			\$149,000
				\$630,000
				\$779,000

responses hr/response
20 73

he rule during the three year period of this ICR.

ole 2 Civilian Workers, by Occupational and Industry group. --\$138.43 per hour for Executive, Administrative, and Managerial

at least once a year (Note: each deviation requires 2 notifications, 1 for when the deviation occurs and 1 for when operation resu

labor; \$106.45 per hour for Technical labor, and \$52.77 per hour for Clerical labor. The rates have been increased by 110

mes). We also assume that each deviation will require only two status reports.

) percent to account for the benefit packages available to those employed by private industry.

Burden Item	(A)	(B)	(C)	(D)
	EPA Hours per Occurrence	Number of Occurrences Per Respondent Per Year	EPA Hours Per Respondent Per Year (C=AxB)	Number of Respondents Per Year ^a
1. Applications	N/A			
2. Familiarize with regulatory requirements	16	1	16	0
3. Required Activities				
A. Observe initial stack tests (PM, dioxins/furans, opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2) ^c	48	1	48	0.2
B. Excess emissions -- Enforcement Activities ^d	24	1	24	0.8
C. Create Information	N/A			
D. Gather Information	N/A			
E. Report Reviews				
1) Review waste management plan and siting analysis ^e	8	1	8	1
2) Review report submitted prior to initial startup ^e	2	1	2	1
3) Review initial stack test report ^e	40	1	40	1
4) Review annual compliance report	8	1	8	8
5) Review semi-annual excess emission and parameter exceedance report ^d	16	1	16	0.8
6) Review notifications and status reports for qualified operators off-site ^f	4	4	16	0.8
F. Prepare annual summary report	200	1	200	1
TOTAL ANNUAL BURDEN AND COST (rounded) ^g				

Assumptions:

- a We assume there are 8 existing sources subject to the rule and 1 additional source per year will become subject to the rule.
- b This ICR uses the following labor rates: \$47.63 for technical, \$64.16 for managerial, and \$25.76 for clerical labor. Total labor cost is \$137.55 per hour.
- c Assumes EPA personnel attend 20 percent of the stack tests
- d Assume that 10 percent of the facilities have an exceedance during the year.
- e One-time only costs for each respondent.
- f We assume that 10 percent of the facilities would not have a qualified operator available for more than two weeks at a time.
- g Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

47.63 64.16 25.76

(E)	(F)	(G)	(H)
Technical Hours Per Year (E=CXD)	Management Hours Per Year (F=Ex0.05)	Clerical Hours Per Year (G=Ex0.1)	Total Costs, \$ ^b
0	0	0	\$0
9.6	0.48	0.96	\$512.77
19.2	0.96	1.92	\$1,025.55
8	0.4	0.8	\$427.31
2	0.1	0.2	\$106.83
40	2	4	\$2,136.56
64	3.2	6.4	\$3,418.50
12.8	0.64	1.28	\$683.70
12.8	0.64	1.28	\$683.70
200	10	20	\$10,682.80
424			\$19,700

: rule during the three year period of this ICR.

These rates are from the Office of Personnel Management (OPM), 2016 General Schedule, which excludes locality rates c

least once a year (Note: each deviation requires 2 notifications, 1 for when the deviation occurs and 1 for when operation

of pay. The rates have been increased by 60 percent to account for the benefit packages available to government employe

resumes). We also assume that each deviation will require only two status reports.

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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
Bag Leak Detectors	\$3,500	1	\$3,500	\$9,700	8
CO CEMS	\$12,600	1	\$12,600	\$41,400	8
ACI Monitors	\$0	1	\$0	\$4,200	8
Stack Tests	\$55,000	1	\$55,000	\$14,533	8
Postage for Performance Tests	\$7.50	1	\$8	\$7.50	8
Postage for Semiannual reports	\$0	0	\$0	\$15	0.8
Total			\$71,100		
Total Capital and O&M Cost					

(G)
Total O&M, (E X F)
\$77,600
\$331,200
\$33,600
\$116,264
\$60
\$12
\$559,000
\$630,000

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	1	6	0	0	7
2	1	7	0	0	8
3	1	8	0	0	9
Average	1	7	0	0	8