

Burden Item	A	B	C	D
	Technical person-hours per occurrence	No. of occurrences per respondent per year	Technical person-hours per respondent per year (AxB)	Respondents per year ^a
1. Applications	N/A			
2. Survey and Studies	N/A			
3. Reporting Requirements				
A. Familiarize with regulation requirements ^{d,h}	40	1	40	4
B. Required activities				
1) Initial stack test and report ^c	40	1	40	1
2) Annual stack test and test report ^{e,h}	40	0.33	13.2	4
3) Operator training and qualification				
a) Establish and teach operator qualification course ^{c,d}	64	1	64	1
b) Obtain operator qualification ^{c,d}	72	1	72	1
c) Annual refresher course	12	1	12	1
d) Initial review of site-specific information	See 3A			
e) Annual review of site-specific information ^e	8	1	8	4
4) Establish operating parameters (maximum and minimum) ^c	40	1	40	1
5) Continuous parameter monitoring (including CEMS)	11	1	11	4
C. Create Information	See 3B			
D. Gather Existing Information	See 3E			
E. Write report				
1) Notification of construction (includes siting analysis) ^c	160	1	160	1
2) Notification of start-up (includes monitoring plan)	40	1	40	1
3) Notification of initial performance test ^c	2	1	2	1
4) Notification of initial CMS Demonstration ^b	2	1	2	1
5) Initial Compliance Report	40	1	40	1
6) Annual Compliance Report	40	1	40	4
7) Status report for operators that are off-site for more than 2 weeks ^f	8	1	8	1
8) Corrective action summary for operators that are off-site for more than 2 weeks ^f	8	2	16	1
9) Semiannual Deviation Report ^g	24	2	48	0.4
Subtotal for Reporting Requirements				
4. Recordkeeping Requirements				

A. Familiarize with regulation 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	2	52	104	0
2) Records of exceedances of the operating parameters	2	1	2	0.4
3) Records of stack tests	2	1	2	4
4) Records of siting analysis	2	1	2	1
5) Records of persons who have reviewed operating procedures	2	1	2	4
6) Records of persons who have completed operator training	2	1	2	4
7) Records of persons who meet operator qualification criteria	2	1	2	4
8) Records of monitoring device calibration	2	1	2	4
9) Records of site-specific documentation	24	1	24	4
F. Time to train personnel	See 3B			
G. Time for audits	N/A			
Subtotal for Recordkeeping Requirements				
TOTAL ANNUAL BURDEN AND COST (Rounded)ⁱ				
Capital and O&M Costs (see Section 6(b)(iii))				
TOTAL (Rounded)ⁱ				

Assumptions:

- a. Assumed that there are 4 existing facilities on average with 6 units. Burden estimates based on a "per respondent" basis, of 2 new sources and 1 modified source over the next three-year period, averaging to 1 new respondent per year. Estimate 1
- b. This ICR uses the following labor rates: \$138.43 per hour for Executive, Administrative, and Managerial labor; \$106.45 Clerical labor. These rates are from the United States Department of Labor, Bureau of Labor Statistics, September 2016, "group". The rates are from column 1, "Total Compensation". The rates have been increased by 110 percent to account for private industry.
- c. One-time only costs
- d. Costs incurred by a facility regardless of the number of affected units at the plant.
- e. Annual Costs. Annual costs are not incurred until the second year of operation.
- f. Assumed that 10 percent of the facilities (conservatively rounded to one) would not have a qualified operator available for
- g. Assumed that 10 percent of the facilities would have an exceedance during the year.
- h. Facilities may test every three years if certain requirements are met, thus annual testing is divided by three to give a per
- i. Totals are rounded to 3 significant figures. Figures may not add exactly due to rounding.

E	F	G	H
Technical hours per year (Cx0.10)	Management hours per year (Ex0.05)	Clerical hours per year (Ex0.10)	Total cost per year ^b
160	8	16	\$18,983.66
40	2	4	\$4,745.92
52.8	2.64	5.28	\$6,265
64	3.2	6.4	\$7,593.47
72	3.6	7.2	\$8,542.65
12	0.6	1.2	\$1,423.77
32	1.6	3.2	\$3,796.73
40	2	4	\$4,745.92
44	2.2	4.4	\$5,220.51
160	8	16	\$18,983.66
40	2	4	\$4,745.92
2	0.1	0.2	\$237.30
2	0.1	0.2	\$237.30
40	2	4	\$4,745.92
160	8	16	\$18,984
8	0.4	0.8	\$949.18
16	0.8	1.6	\$1,898.37
19.2	0.96	1.92	\$2,278.04
1109			\$114,377

Respondant Rates

(Source: <http://www.bls.gov/news.release/ecec.t02.htm>)

Labor Type	Total Compensation (\$/hr)	Loaded Rate (Rate + 110%rate)
Mgmt.	\$65.92	\$138.43
Tech.	\$50.69	\$106.45
Cler.	\$25.13	\$52.77

0	0	0	\$0
0.8	0.04	0.08	\$94.92
8	0.4	0.8	\$949.18
2	0.1	0.2	\$237.30
8	0.4	0.8	\$949.18
8	0.4	0.8	\$949.18
8	0.4	0.8	\$949.18
8	0.4	0.8	\$949.18
8	0.4	0.8	\$949.18
96	4.8	9.6	\$11,390.20
160			\$16,468
1270			\$131,000
			\$694,000
1270			\$825,000

99 hr/response

not a "per unit" basis. Assumed that there will be a total based on EPA's 2016 SSI Inventory.

5 per hour for Technical labor, and \$52.77 per hour for Table 2. Civilian Workers, by Occupational and Industry the benefit packages available to those employed by

or more than two weeks at least once a year. Assume that

year cost. It is assumed most facilities would meet the

Burden Item	A	B	C	D	E
	Technical person-hours per occurrence	No. of occurrences per respondent per year	Technical person-hours per respondent per year (AxB)	Respondents per year ^a	Technical hours per year (Cx D)
1. Applications	N/A				
2. Read and Understand Rule Requirements	40	1	40	4	160
3. Required Activities					
A. Observe stack tests ^c	48	1	48	1	48
B. Excess emissions - Enforcement activities	24	1	24	1	24
C. Create Information	N/A				
D. Gather Information	N/A				
E. Report Reviews					
1. Review initial notifications ^d	40	2	80	1	80
2. Review initial compliance report	40	1	40	1	40
3. Review annual compliance report	8	1	8	4	32
4. Review semi-annual excess emission and parameter exceedance report	16	2	32	0.4	12.8
5. Review status reports and corrective action summary for operators off-site	4	1	4	1	4
F. Prepare annual summary report ^e	4	1	4	4	16
TOTAL ANNUAL COST (rounded) ^f					

Assumptions:

a. Assumed that there are 4 existing facilities on average with 6 units. Burden estimates based on a "per respondent" basis there will be a total of 2 new sources and 1 modified source over the next three-year period, averaging to 1 new responder 2016 SSI Inventory

b. This cost is based on the following labor rates which incorporates a 1.6 benefits multiplication factor to account for gov Managerial rate (GS-13, Step 5, \$40.10 x 1.6), \$47.62 Technical rate (GS-12, Step 1, \$29.76 x 1.6), and \$25.76 Clerical r rates are from the Office of Personnel Management (OPM) "2016 General Schedule", which excludes locality rates of pay

c. Assumes EPA personnel attend 20 percent of the stack tests (conservatively rounded up to one plant). Assume all facili

d. Includes notification of construction and notification of start-up for new units.

e. Using four hours per state to write annual summary report.

f. Totals rounded to 3 significant figures. Figures may not add exactly due to rounding.

F	G	H
Management hours per year (Ex0.05)	Clerical hours per year (Ex0.10)	Total cost per year ^b
8	16	\$8,544.00
2.4	4.8	\$2,563.20
1.2	2.4	\$1,281.60
4	8	\$4,272
2	4	\$2,136
1.6	3.2	\$1,709
0.64	1.28	\$683.52
0.2	0.4	\$213.60
0.8	1.6	\$854.40
479		\$22,300

EPA

Source: http://www.opm.gov/oca/11tables/html/g_s_h.asp

	Hourly Mean Wage	With Fringe & Overhead
(GS- 12, step 1) - Tech.	29.76	\$47.62
(GS- 13, step 5) - Mgmt.	40.1	\$64.16
(GS-6, step 3) - Cler.	16.1	\$25.76

; not a "per unit" basis. Assumed that
 it per year. Estimates based on EPA's

ernment overhead expenses: \$64.16
 ate (GS-6, Step 3, \$16.10 x 1.6). These
 y.

ties meet reduced testing requirements.

Number of Respondents					
	Respondents That Submit Reports		Respondents That Do Not Submit Any Reports		
Year	(A) Number of New Respondents ¹	(B) Number of Existing Respondents ²	(C) Number of Existing Respondents that keep records but do not submit reports	(D) Number of Existing Respondents That Are Also New Respondents	(E) Number of Respondents (E=A+B+C-D)
1	1	3	0	0	4
2	1	4	0	0	5
3	1	5	0	0	6
Average	1	4	0	0	5

¹ Assumed that there will be 2 new sources and 1 modified source over the next three years, averaging to 1 new respondent per year.

² Assumed there are 4 existing facilities with 6 units on average. Based on EPA's 2016 SSI Inventory.

Total Annual Responses

(A) Information Collection Activity	(B) Average Number of Respondents	(C) Number of Responses	(D) Number of Existing Respondents That Keep Records But Do Not Submit Reports	(E) Total Annual Responses E=(BxC)+D
Notification of Construction	1	1	0	1
Notification of Start-up	1	1	0	1
Notification of Initial Performance Test	1	1	0	1
Notification of Initial CMS Demonstration	1	1	0	1
Initial Compliance Report	1	1	0	1
Annual Compliance Report ^a	4	1	0	4
Status report for operators that are off-site for more than 2 weeks ^b	1	1	0	1
Corrective action summary for operators that are off-site for more than 2 weeks ^b	1	2	0	2
Semiannual Deviation Report	0.4	2	0	0.8
			Total	13

^a Facilities may test every three years if certain requirements are met, and it is assumed most facilities would

meet the requirements. However, annual compliance reports must be submitted regardless of whether a performance test is conducted during the reporting period.

^b Assumed that 10 percent of the facilities (conservatively rounded to one) would not have a qualified operator available for more than two weeks at least once a year. Assumed this would require only two corrective action summaries.

(A)	(B)	(C)	(D)	(E)	(F)	(G)
Item	Capital/Startup Cost for One Respondent	Number of New Respondents ^a	Total Capital/Startup Cost, (B X C)	Annual O&M Costs for One Respondent	Number of Respondents with O&M	Total O&M, (E X F)
CPMS ^b	\$226,946	1	\$226,946	\$81,160	4	\$324,640
Stack testing ^c	\$61,350	1	\$61,350	\$61,350	1.32	\$80,982
Filing cabinet ^d	\$100	1	\$100			
Total			\$288,000			\$406,000

a. Assumed that there are 4 existing facilities on average with 6 units. Burden estimates based on a "per respondent" basis. Assumed that there will be a total of 2 new sources and 1 modified source over the next three-year period, averaging to 1 year. Estimates based on EPA's 2016 SSI Inventory

b. Based on estimated monitoring costs provided in regulatory support documentation.

c. Total estimated cost for initial stack test, including Method 5 (PM), Method 9 (opacity), Method 10 (CO), Method 26 (metals), Method 23 (CDD/CDF), Method 7E (NOx), and Method 6C (SO2). Facilities may test every three years if certain and it is assumed most facilities would meet the requirements.

d. Assumed \$100 for purchase of filing cabinet to house copy of rule, records, and report copies.

total
\$694,000

s, not a "per unit" basis.
new respondent per

(HCl), Method 29
in requirements are met,