

Burden item	(A) Person hours per occurrence	(B) No. of occurrences per respondent per year	(C) Person hours per respondent per year (C=AxB)	(D) Respondents per year <sup>a</sup>	(E) Technical person-hours per year (E=CxD)
1. Applications	N/A				
2. Survey and Studies	N/A				
3. Reporting requirements					
A. Familiarize with Regulatory Requirements <sup>c</sup>	1	1	1	149	149
B. Required activities					
Performance Tests					
a. Relative Accuracy Test Audit <sup>d</sup>	146	2	292	0	0
b. CEMS audits (RAA or CGA) <sup>e</sup>	160	3	480	0	0
C. Create information	See 3B				
D. Gather existing information	See 3B				
E. Write Reports					
i. Notification of construction /reconstruction	2	1	2	0	0
ii Notification of performance test <sup>f</sup>	2	1	2	0	0
iii. Report of performance test <sup>f</sup>	2	1	2	0	0
iv. Semiannual emission reports <sup>g</sup>	2	2	4	149	596
<b>Subtotal for Reporting Requirements</b>					
4. Recordkeeping requirements					
A. Familiarize with Regulatory Requirements	See 3A				
B. Plan activities	See 3A				
C. Implement Activities	See 3B				
D. Develop record system	N/A				
E. Time to enter information					
Records of Operating Parameters <sup>h</sup>	0.25	350	87.5	149	13,038
F. Time to train personnel	N/A				
G. Time for audits	N/A				
<b>Subtotal for Recordkeeping Requirements</b>					
<b>TOTAL LABOR BURDEN AND COST (rounded)<sup>i</sup></b>					
<b>TOTAL CAPITAL AND O&amp;M COST (rounded)<sup>i</sup></b>					
<b>GRAND TOTAL (rounded)<sup>i</sup></b>					

**Assumptions:**

<sup>a</sup> We have assumed that there are approximately 149 respondents, with no additional new, modified or reconstructed sites in the next three years since any of these events would trigger Subpart Ja applicability. In addition, we have assumed that the number of respondents is constant at each petroleum refinery plant.

<sup>b</sup> This ICR uses the following labor rates: \$144.03 per hour for Executive, Administrative, and Managerial labor; \$100.00 per hour for Clerical labor. These rates are from the United States Department of Labor, Bureau of Labor Statistics, September 2008 Industry groups. The rates are from column 1, Total Compensation. The rates have been increased by 110 percent to account for inflation employed by private industry.

<sup>c</sup> We have assumed each respondent will have to familiarize with the regulatory requirements each year. This is estimated

<sup>d</sup> We have assumed that the CEMS accuracy assessment (i.e., relative accuracy test or RATA) are conducted twice a year. The RATA are typically conducted at the same time as the CGA to save costs. However, all respondents are estimated to comply with the RATA under Subpart J, 40 CFR 60, Subpart Ja and therefore there is no burden associated with this requirement under Subpart J.

<sup>e</sup> We have assumed that CEMS audits (Relative Accuracy Audits or Cylinder Gas Audits) are conducted three times per year (once per quarter, but no more than three quarters in succession) and will take 160 hours per occurrence. We have assumed that CEMS monitoring is required for all parameters requiring monitoring under the standards. However, all respondents are estimated to comply with the CEMS requirements under Subpart J, therefore there is no burden associated with this requirement under Subpart J.

<sup>f</sup> One-time requirement. Not applicable during this year.

<sup>g</sup> We have assumed that it will take two hours for each respondent to write semiannual emissions reports twice per year.

<sup>h</sup> We have assumed that each respondent will take 0.25 hours per day, and an estimated operational schedule of 350 days per year.

<sup>i</sup> Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

144.33      53.34

(F) Managem ent person hours per year (Ex0.05)	(G) Clerical person hours per year (Ex0.1)	(H) Total Cost per year <sup>b</sup>
7.45	14.9	\$18,003.74
0	0	\$0
0	0	\$0
0	0	\$0
0	0	\$0
0	0	\$0
29.8	59.6	\$72,014.98
857		\$90,018.72
651.875	1,303.8	\$1,575,327.64
14,993		\$1,575,327.64
<b>15,800</b>		<b>\$1,670,000</b>
		<b>\$826,000</b>
		<b>\$2,500,000</b>

53 hr per resp

O and M

714,306

\$2,384,306

1,665,346

ources becoming subject to NSPS Subpart J over the  
re is an average one affected facility subject to Subpart J

8.28 per hour for Technical labor, and \$53.34 per hour  
2016, Table 2. Civilian Workers, by Occupational and  
account for the benefit packages available to those

ited to take one hour.

year and take 146 hours per response. It is assumed that  
to comply with the CEMS requirements of 40 CFR Part

er year (Appendix F of Part 60 allows for 3 of 4  
each respondent has at least one monitor for each  
requirements of 40 CFR Part 60, Subpart Ja and

var.

ys per year to enter records of operating parameters.

Activity	(A) EPA person-hours per occurrence	(B) No. of occurrences per plant per year	(C) EPA person hours per plant per year (AxB)	(D) Plants per year <sup>a</sup>	(E) Technical person-hours per year (CxD)
1. Review reports					
a. Notification of construction/reconstruction <sup>c</sup>	0.5	1	0.5	0	0
b. Notification of performance test <sup>d</sup>	0.5	1	0.5	0	0
c. Semiannual emission reports <sup>e</sup>	1.5	2	3	149	447
<b>TOTAL ANNUAL BURDEN AND COST (rounded)<sup>f</sup></b>					

**Assumptions:**

<sup>a</sup> We have assumed that there are approximately 149 respondents, with no additional new or reconstructed sources between three years. In addition, we have assumed that there is an average one affected facility subject to Subpart J at each petro

<sup>b</sup> This cost is based on the following hourly labor rates times a 1.6 benefits multiplication factor to account for government Managerial, \$48.08 for Technical and \$26.02 Clerical. These rates are from the Office of Personnel Management (OPM) and exclude locality rates of pay.

<sup>c</sup> We have assumed that it will take 0.5 hours once a year to review report from new sources; however there are no new

<sup>d</sup> We have assumed that it will take 0.5 hours once a year to review performance test report from new sources; however

<sup>e</sup> We have assumed that it will take 1.5 hours, twice per year, to review the excess emission reports.

<sup>f</sup> Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

64.8		26.02
(F) Management person-hours per year (Ex0.05)	(G) Clerical person- hours per year (Ex0.1)	(H) Cost, \$ <sup>b</sup>
0	0	\$0
0	0	\$0
22.35	44.7	\$24,103.13
514		\$24,100



Updated Labor rates causing increase in total cost

coming subject to the rule over the next  
 oleum refinery plant.

ment overhead expenses: \$64.80 for  
 A) “2017 General Schedule” which

r sources estimated.

r there are no new sources estimated.

**Capital/Startup vs. Operation and Maintenance (O&M) Costs**

(A)	(B)	(C)	(D)	(E)	(F)	(G)
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	Total O&M,
						(E X F)
Opacity	\$30,146	0	\$0	\$1,508	149	\$224,625
CO	10,237	0	\$0	\$1,024	149	\$152,566
SO <sub>2</sub> /H <sub>2</sub> S	15,073	0	\$0	\$1,508	149	\$224,625
O <sub>2</sub>	7,066	0	\$0	\$1,508	149	\$224,625
Total			\$0			\$826,441

CEPCI values

468.2	2005
541.7	2016