Table 1: Annual Respondent Burden and Cost – NSPS for Petroleum Refineries (40 CFR Pa

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 [a]
1. Applications	N/A			
2. Survey and Studies	N/A			
3. Reporting requirements				
A. Familiarize with Regulatory Requirements [c]	1	1	1	130
B. Required activities				
Performance Tests				
a. Relative Accuracy Test Audit [d]	146	2	292	0
b. CEMS audits (RAA or CGA) [e]	160	3	480	0
C. Create information	See 3B			
D. Gather existing information	See 3B			
E. Write Reports				
i. Notification of construction /reconstruction [f]	2	1	2	0
ii Notification of performance test [f]	2	1	2	0
iii. Report of performance test [f]	2	1	2	0
iv. Semiannual emission reports [g]	2	2	4	130
Subtotal for Reporting Requirements				
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 [h]	0.25	350	87.5	130
F. Time to train personnel	N/A			
G. Time for audits	N/A			
Subtotal for Recordkeeping Requirements				
TOTAL LABOR BURDEN AND COSTS (rounded) [i]				
TOTAL CAPITAL AND O&M COST (rounded) [i]				
GRAND TOTAL (rounded) [i]				

Assumptions:

[a] We have assumed that there are approximately 130 respondents, with no additional new, modified or reconstructed s years since any of these events would trigger NSPS Subpart Ja applicability. In addition, we have assumed that there i petroleum refinery plant.

[b] This ICR uses the following labor rates: $149.84 per hour for Executive, Administrative, and Managerial labor; $1 Clerical labor. These rates are from the United States Department of Labor, Bureau of Labor Statistics, September 20 groups. The rates are from column 1, Total Compensation. The rates have been increased by 110 percent to account industry.

[c] We have assumed each respondent will have to familiarize with the regulatory requirements each year. This is estim

[d] We have assumed that the CEMS accuracy assessment (i.e., relative accuracy test or RATA) are conducted twice a y
are typically conducted at the same time as the CGA to save costs. However, all respondents are estimated to comply
therefore there is no burden associated with this requirement under Subpart J.

[e] We have assumed that CEMS audits (Relative Accuracy Audits or Cylinder Gas Audits) are conducted three times p
more than three quarters in succession) and will take 160 hours per occurrence. We have assumed that each responder
under the standards. However, all respondents are estimated to comply with the CEMS requirements of 40 CFR Part 6
requirement under Subpart J.

[f] One-time requirement. Not applicable during this year.

[g] We have assumed that it will take two hours for each respondent to write semiannual emissions reports twice per y

[h] We have assumed that each respondent will take 0.25 hours per day, and an estimated operational schedule of 350 da

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

rt 60, Subpart J) (Renewal)

(E) Technical person- hours per year (E=CxD)	(F) Management person hours per year (Ex0.05)	(G) Clerical person hours per year (Ex0.1)	(H) Total Cost per year [b]
			$0
			$0
			$0
130	6.5	13	$17,711.20
			$0
			$0
0	0	0	$0
0	0	0	$0
0	0	0	$0
0	0	0	$0
0	0	0	$0
520	26	52	$70,844.80
748			***$88,556***
11,375	568.75	1,137.5	$1,549,730.00
13,081			***$1,549,730***
13,800			**$1,640,000**
			$809,000
			$2,450,000

Labor Rates	
Management	$149.84
Technical	$122.66
Clerical	$60.88

# Responses	Hrs/response
260	53

sources becoming subject to NSPS Subpart J over the next three
s an average of one affected facility subject to Subpart J at each

22.66 per hour for Technical labor, and $60.88 per hour for
20, Table 2. Civilian Workers, by Occupational and Industry
for the benefit packages available to those employed by private

ated to take one hour.

year and take 146 hours per response. It is assumed that the RATA
with the CEMS requirements of 40 CFR Part 60, Subpart Ja and

per year (Appendix F of Part 60 allows for 3 of 4 quarters, but no
it has at least one monitor for each parameter requiring monitoring
60, Subpart Ja and therefore there is no burden associated with this

ear.

ays per year to enter records of operating parameters.

Table 2: Average Annual EPA Burden and Cost – NSPS for Petroleum Refineries (40 CFR Part

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 [a]	(E) Technical person-hours per year (CxD)
1. Review reports					
a. Notification of construction/reconstruction [c]	0.5	1	0.5	0	0
b. Notification of performance test [d]	0.5	1	0.5	0	0
c. Semiannual emission reports [e]	1.5	2	3	130	390
TOTAL (rounded) [f]					

Assumptions:

[a] We have assumed that there are approximately 130 respondents, with no additional new or reconstructed sources becom years. In addition, we have assumed that there is an average one affected facility subject to Subpart J at each petroleum ref

[b] This cost is based on the following hourly labor rates times a 1.6 benefits multiplication factor to account for governmer Managerial, $51.23 for Technical and $27.73 Clerical. These rates are from the Office of Personnel Management (OPM) locality rates of pay.

[c] We have assumed that it will take 0.5 hours once a year to review report from new sources; however there are no new so

[d] We have assumed that it will take 0.5 hours once a year to review performance test report from new sources; however th

[e] We have assumed that it will take 1.5 hours, twice per year, to review the excess emission reports.

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

: **60, Subpart J) (Renewal)**

(F) Management person-hours per year (Ex0.05)	(G) Clerical person-hours per year (Ex0.1)	(H) Cost, $ [b]
0	0	$0
0	0	$0
19.5	39	$22,407.45
449		**$22,400**

Labor Rates	
Management	$69.04
Technical	$51.23
Clerical	$27.73

ing subject to the rule over the next three
inery plant.

ıt overhead expenses: $69.04 for
"2021 General Schedule" which excludes

ɔurces estimated.

ıere are no new sources estimated.

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
Opacity	$33,808	0	$0	$1,691	130
CO	$11,480	0	$0	$1,148	130
SO_2/H_2S	$16,904	0	$0	$1,691	130
O_2	$7,924	0	$0	$1,691	130
Total			**$0**		

[a] Costs are based on the EPA Cost Control Manual (Sixth Edition, EPA/452/B-02-001), adjusted using the *Chemical Engin*

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

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	0	130	0	0	130
2	0	130	0	0	130
3	0	130	0	0	130
Average	**0**	**130**	**0**	**0**	**130**

[1] New respondents include sources with constructed, reconstructed and modified affected facilities.

Total Annual Responses				
(A)	(B)	(C)	(D)	(E)
Information Collection Activity	Number of Respondents	Number of Responses	Number of Existing Respondents That Keep Records But Do Not Submit Reports	Total Annual Responses E=(BxC)+D
Notification of construction or modification	0	1	0	0
Notification of performance test	0	1	0	0
Report of performance test	0	1	0	0
Semiannual report	130	2	0	260

			Total	**260**

(G)
Total O&M, (ExF)
$219,787
$149,280
$219,787
$219,787
$809,000

CEPCI values	
468.2	2005
607.5	2019

Device	Capital/Startup Cost for One Respondent (Year 2000)	Annual O&M Costs for One Respondent (Year 2000)
Opacity	$26,056	$1,303
CO	8,848	$885
SO_2/H_2S	13,028	$1,303
O_2	6,107	$1,303

eering Index for process instruments from 2005 to 2019.