

### ICR Summary Information

Hours per Response	93
Number of Respondents	305
Total Estimated Burden Hours	56,900
Total Estimated Costs	\$7,260,000
Annualized Capital O&M	\$97,001
Total Annual Responses	610
Form Number	Not Applicable

**Table 1a: Annual Respondent Burden and Cost - NSPS for Onshore Natural Gas Processing Plants**

<b>Burden Item</b>	<b>(A) Person- hours per occurrence</b>	<b>(B) No. of occurrences per respondent per year</b>	<b>(C) Person- hours per respondent per year (AxB)</b>	<b>(D) Respondent s per year<sup>a</sup></b>
1. Applications	N/A			
2. Survey and Studies	N/A			
3. Reporting requirements				
A. Familiarization with Regulatory Requirements	1	1	1	291
B. Required activities				
Notification of construction/reconstruction <sup>c</sup>	2	1	2	0
Notification of modification	8	1	8	0
Notification of anticipated startup <sup>c</sup>	2	1	2	0
Notification of actual startup <sup>c</sup>	2	1	2	0
Notification of electing to comply with alternative standards for valves <sup>c</sup>	8	1	8	0
Notification of initial performance test <sup>c</sup>	2	1	2	0
Affirmative defense	30	1	30	0
Semiannual reports <sup>d</sup>	8	2	16	291
C. Create Information				
Initial performance test <sup>c</sup>	N/A			
D. Gather existing information	N/A			
E. Write report	See 3B			
<b>Reporting Subtotal</b>				
4. Recordkeeping requirements				
A. Familiarization with Regulatory Requirements	See 4C			
B. Plan activities	See 4C			
C. Implement activities	See 3E			
Filing and maintaining records <sup>e</sup>	80	1	80	291
Startup, shutdown, or malfunction	80	1	80	0
Recalibrate monitors	4	12	48	291
Method 21 performance evaluation	2	2	4	291
D. Develop record system	See 4C			
E. Time to enter information	See 4C			
F. Train personnel	See 4C			

G. Audits	N/A			
<b>Recordkeeping Subtotal</b>				
<b>Total Labor Burden and Costs (Rounded) <sup>f</sup></b>				
<b>Total Capital and O&amp;M Costs (Rounded) <sup>f</sup></b>				
<b>Grand Total (Rounded) <sup>f</sup></b>				

**Assumptions:**

<sup>a</sup> We have assumed that the average number of existing respondents that will be subject to Subpart KKK modified facilities after August 2, 2016 subject to Subpart KKK that will become subject to 40 CFR Part report under these rules.

<sup>b</sup> This ICR uses the following labor rates: \$163.17 (\$77.70 + 110%) per hour for Executive, Administrative hour for Technical labor, and \$65.71 (\$31.29 + 110%) per hour for Clerical labor. These rates are from the Statistics, September 2022, “Table 2. Civilian workers by occupational and industry group.” The rates are increased by 110 percent to account for varying industry wage rates and the additional overhead bus and benefits, including business expenses associated with hiring, training, and equipping their employees

<sup>c</sup> New respondents will be subject to 40 CFR Part 60, Subpart OOOOa.

<sup>d</sup> We have assumed that each existing respondent will take 8 hours, two times per year to write semiannual

<sup>e</sup> We have assumed that each existing respondent will take 80 hours to file and maintain records.

<sup>f</sup>Totals are rounded to three significant figures. Figures may not add exactly due to rounding.



	<b>44,174</b>		<b>\$5,570,105</b>
	<b>49,900</b>		<b>\$6,290,000</b>
			<b>\$0</b>
	<b>49,900</b>		<b>\$6,290,000</b>

93 hrs/response

will be 291. This estimated average accounts for 60, Subpart OOOOa and therefore, would no longer

ive, and Managerial labor; \$130.28 (\$62.04 + 110%) per the United States Department of Labor, Bureau of Labor from column 1, "Total compensation." The rates have business costs of employing workers beyond their wages

al reports.

**Table 1b: Annual Respondent Burden and Cost - NSPS for Onshore Natural Gas Processing Plants**

<b>Burden Item</b>	<b>(A) Person- hours per occurrence</b>	<b>(B) No. of occurrences per respondent per year</b>	<b>(C) Person- hours per respondent per year (AxB)</b>	<b>(D) Respondents per year<sup>a</sup></b>
1. Applications	N/A			
2. Survey and Studies	N/A			
3. Reporting requirements				
A. Familiarization with Regulatory Requirements	1	1	1	14
B. Required activities				
Initial performance test <sup>c</sup>	60	1	60	0
Repeat performance test	60	0.2	12	0
Demonstration of CEMS	80	0.2	16	0
Repeat Demonstration of CEMS	80	0.2	16	0
C. Create Information	See 3B			
D. Gather existing information	See 3B			
E. Write report				
Notification of	2	1	2	0
Notification of modification <sup>c</sup>	2	1	2	0
Notification of anticipated startup <sup>c</sup>	2	1	2	0
Notification of actual startup <sup>c</sup>	2	1	2	0
Notification of initial performance test <sup>c</sup>	2	1	2	0
Notification of CMS demonstration <sup>c</sup>	2	1	2	0
CMS demonstration	See 3B			
Semiannual report <sup>d</sup>	40	2	80	14
<b>Reporting Subtotal</b>				
4. Recordkeeping requirements				
A. Familiarization with Regulatory Requirements	See 3A			
B. Plan activities	N/A			
C. Implement activities	N/A			
D. Develop record system <sup>e</sup>	40	1	40	0
E. Time to enter information				
Records of startup, shutdown, or malfunction	1.5	12	18	0
Records of continuous recording	0.5	700	350	14

Records of capacity data	2	1	2	3
F. Train personnel	N/A			
G. Audits	N/A			
<b>Recordkeeping Subtotal</b>				
<b>Total Labor Burden and Costs (Rounded) <sup>f</sup></b>				
<b>Total Capital and O&amp;M Costs (Rounded) <sup>f</sup></b>				
<b>Grand Total (Rounded) <sup>f</sup></b>				

**Assumptions:**

<sup>a</sup> We have assumed that the average number of existing respondents that will be subject to subpart LLI modified facilities after August 2, 2016 subject to Subpart LLL that will become subject to 40 CFR Part 60 under these rules.

<sup>b</sup> This ICR uses the following labor rates: \$163.17 (\$77.70 + 110%) per hour for Executive, Administrative labor, and \$65.71 (\$31.29 + 110%) per hour for Clerical labor. These rates are from the Bureau of Labor Statistics, September 2022, “Table 2. Civilian workers by occupational and industry group.” The rates have been increased by 110 percent to account for varying industry wage rates and the additional costs of their wages and benefits, including business expenses associated with hiring, training, and equipping them.

<sup>c</sup> New respondents will be subject to 40 CFR Part 60, Subpart OOOOa.

<sup>d</sup> We have assumed that each existing respondent will take 40 hours, two times per year to write semiannual reports.

<sup>e</sup> We have assumed that each existing respondent will take 40 hours to develop record system. New respondents will be subject to 40 CFR Part 60, Subpart OOOOa recordkeeping requirements. However, Subpart LLL sources that have modified would need to develop a recordkeeping system.

<sup>f</sup> Totals are rounded to three significant figures. Figures may not add exactly due to rounding.

nts (40 CFR Part 60, Subpart LLL) (Renewal)

(E) Technical person- hours per year (Cx <sub>D</sub> )	(F) Management person-hours per year (Ex <sub>0.05</sub> )	(G) Clerical person- hours per year (Ex <sub>0.1</sub> )	(H) Cost <sup>b</sup>
14	0.7	1.4	\$2,030.13
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
1,120	56	112	\$162,410.64
<b>1,304</b>			<b>\$164,441</b>
0	0	0	\$0
0	0	0	\$0
4,900	245	490	\$710,546.55

Labor Rates	
Managerial	\$163.17
Technical	\$130.28
Clerical	\$65.71

6	0.3	0.6	\$870.06
<b>5,642</b>			<b>\$711,417</b>
<b>6,950</b>			<b>\$876,000</b>
			<b>\$97,001</b>
<b>6,950</b>			<b>\$973,000</b>

will be 14. This estimated average accounts for  
 at 60, Subpart OOOOa and therefore, would no longer

ative, and Managerial labor; \$130.28 (\$62.04 + 110%)  
 from the United States Department of Labor, Bureau of  
 e rates are from column 1, "Total compensation." The  
 overhead business costs of employing workers beyond  
 their employees.

annual reports.

spondents will be subject to 40 CFR Part 60, Subpart  
 to track capacity data during the year it modified.

**Table 2a: Average Annual EPA Burden and Cost - NSPS for Onshore Natural Gas Production**

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>
Notification of construction/reconstruction <sup>c</sup>	2	1	2	0
Review notification of modification <sup>c</sup>	2	1	2	0
Review notification of anticipated startup <sup>c</sup>	2	1	2	0
Review notification of actual startup <sup>c</sup>	2	1	2	0
Notification of demonstration of CEMS <sup>c</sup>	2	1	2	0
Review initial CEMS demonstration report <sup>c</sup>	2	1	2	0
Review notification of performance test <sup>c</sup>	2	1	2	0
Review results of performance test <sup>c</sup>	2	1	2	0
Review semiannual reports <sup>d</sup>	8	2	16	291
<b>TOTAL (Rounded) <sup>e</sup></b>				

**Assumptions:**

<sup>a</sup> We have assumed that the average number of existing respondents that will be subject to Subpart modified facilities after August 2, 2016 subject to Subpart KKK will become subject to 40 CFR Part 60, Subpart OOOOa report under these rules.

<sup>b</sup> The cost is based on the following labor rate which incorporates a 1.6 benefits multiplication factor. Managerial rates of \$73.46 (GS-13, Step 5, \$45.91 + 60%), Technical rate of \$54.51 (GS-12, Step 1 Step 3, \$18.44 + 60%). These rates are from the Office of Personnel Management (OPM), 2023 General Schedule. The rates have been increased by 60 percent to account for the benefit packages available to government employees.

<sup>c</sup> New respondents will become subject to 40 CFR Part 60, Subpart OOOOa.

<sup>d</sup> We have assumed that the agency will spend eight hours per plant, two times per year to review semiannual reports.

<sup>e</sup> Totals are rounded to three significant figures. Figures may not add exactly due to rounding.

**n (40 CFR Part 60, Subpart KKK) (Renewal)**

<b>(E) Technical person- hours per year (Cx0.1)</b>	<b>(F) Management person- hours per year (Ex0.05)</b>	<b>(G) Clerical person- hours per year (Ex0.1)</b>	<b>(H) Cost <sup>b</sup></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
4,656	232.8	465.6	\$284,635.25
<b>5,350</b>			<b>\$285,000</b>

<b>Labor Rates</b>	
Managerial	\$73.46
Technical	\$54.51
Clerical	\$29.50

KKK will be 291. This estimated average accounts for  
t 60, Subpart OOOOa and therefore, would no longer

or to account for government overhead expenses.  
\$, \$34.07 + 60%), and Clerical rate of \$29.50 (GS-6,  
eneral Schedule, which excludes locality, rates of pay.  
ment employees.

emiannual reports.

**Table 2b: Average Annual EPA Burden and Cost - NSPS for Onshore Natural Gas Processing I**

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>
Review notification of construction/reconstruction <sup>c</sup>	2	1	2	0
Review notification of modification <sup>c</sup>	2	1	2	0
Review notification of anticipated startup <sup>c</sup>	2	1	2	0
Review notification of actual startup <sup>c</sup>	2	1	2	0
Review notification of demonstration of CEMS <sup>c</sup>	2	1	2	0
Review of CEMS demonstration report <sup>c</sup>	2	1	2	0
Review notification of initial performance test <sup>c</sup>	2	1	2	0
Review of semiannual reports <sup>d</sup>	8	2	16	14
Review results of performance test <sup>c</sup>	2	1	2	0
<b>TOTAL (Rounded)<sup>e</sup></b>				

**Assumptions:**

<sup>a</sup> We have assumed that the average number of existing respondents that will be subject to Subpart LI facilities after August 2, 2016 subject to Subpart LLL will become subject to 40 CFR Part 60, Subpart rules.

<sup>b</sup> The cost is based on the following labor rates which incorporate a 1.6 benefits multiplication factor rates of \$73.46 (GS-13, Step 5, \$45.91 + 60%), Technical rate of \$54.51 (GS-12, Step 1, \$34.07 + 60% + 60%). These rates are from the Office of Personnel Management (OPM), 2023 General Schedule, which increased by 60 percent to account for the benefit packages available to government employees.

<sup>c</sup> New respondents will become subject to 40 CFR Part 60, Subpart OOOOa.

<sup>d</sup> We have assumed that the agency will spend eight hours per plant, two times per year to review semiannual reports.

<sup>e</sup> Totals are rounded to three significant figures. Figures may not add exactly due to rounding.

**Plants (40 CFR Part 60, Subpart LLL) (Renewal)**

<b>(E) Technical person- hours per year (Cx D)</b>	<b>(F) Management person-hours per year (Ex0.05)</b>	<b>(G) Clerical person- hours per year (Ex0.1)</b>	<b>(H) Cost <sup>b</sup></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
224	11	22	\$13,693.79
0	0	0	\$0
<b>258</b>			<b>\$13,700</b>

Labor Rates	
Managerial	\$73.46
Technical	\$54.51
Clerical	\$29.50

LL will be 14. This estimated average accounts for modified : OOOOa and therefore, would no longer report under these

to account for government overhead expenses. Managerial %), and Clerical rate of \$29.50 (GS-6, Step 3, \$18.44 + ich excludes locality, rates of pay. The rates have been

biannual reports.

**Capital/Startup vs. Operation and Maintenance**

(A) Continuous Monitoring Device	(B) Capital/Startup Cost for One Respondent <sup>b</sup>	(C) Number of New Respondents	(D) Total Capital/Startup Cost, (B X C)
SO <sub>2</sub> CEM, control outlet (only for Subpart LLL) <sup>a</sup>	\$103,525	0	\$0

**Assumptions:**

- <sup>a</sup> Costs reflect installation and maintenance of an in-situ SO<sub>2</sub> CEM after the control device and assume install
- <sup>b</sup> Assume that capital/startup costs for a new sulfur CEMS and control outlet is \$103,525. Capital costs have
- <sup>c</sup> Assume that the annual O&M costs of the sulfur CEMS and control outlet is \$24,250. Costs have been incr
- <sup>d</sup> We expect 4 existing facilities to have annual O&M costs for monitoring under subpart LLL.

<b>nce (O&amp;M) Costs</b>		
(E) Annual O&M Costs for One Respondent <sup>c</sup>	(F) Number of Respondents with O&M <sup>d</sup>	(G) Total O&M, (E X F)
\$24,250	4	\$97,001

\$97,001

lation occurred during the construction of the facility.

been increased from 2008 to 2022 \$ using the CEPCI Equipment Cost Index.

eased from 2008 to 2022 \$ using the CEPCI Equipment Cost Index.

<b>Total Annual Responses</b>				
(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
Subpart KKK				
Semiannual reports	291	2	N/A	582
Subtotal for Subpart KKK				582
Subpart LLL				
Semiannual report	14	2	N/A	28
Subtotal for Subpart LLL				28
<b>TOTAL</b>				<b>610</b>

<b>Number of Respondents</b>				
	Respondents That Submit Reports		Respondents That Do Not Submit Any Reports	
Year	(A) Number of Existing Respondents that would now report under Subpart OOOOa <sup>a</sup>	(B) Number of Existing Respondents	(C) Number of Existing Respondents that keep records but do not submit reports	(D) Number of Existing Respondents That Are Also New Respondents
Subpart KKK				
1	27	345	0	0
2	27	318	0	0
3	27	291	0	0
<b>Average</b>	<b>27</b>	<b>318</b>	<b>0</b>	<b>0</b>
Subpart LLL <sup>b</sup>				
1	3	17	3	0
2	3	14	3	0
3	3	11	3	0
<b>Average</b>	<b>3</b>	<b>14</b>	<b>3</b>	<b>0</b>
<b>Total <sup>c</sup></b>				

**Assumptions:**

<sup>a</sup> We expect 27 of the existing facilities subject to Subpart KKK to undergo modifications in each year, which would indicate they would report under Subpart OOOOa and no longer report under Subpart KKK. For Subpart LLL, we expect three facilities to undergo modification and report under Subpart OOOOa.

<sup>b</sup> Affected facilities with design capacities of less than two long tons per day (LT/D) of hydrogen sulfide (H<sub>2</sub>S) in the acid gas stream have no reporting requirements pursuant to Subpart LLL. Three respondents have sources with capacities below this threshold.

<sup>c</sup> This is the total average of existing respondents subject to both Subparts KKK and LLL.

(E) Number of Respondents (E= B+C-A-D)
318
291
264
<b>291</b>
17
14
11
<b>14</b>
<b>305</b>

ate these facilities  
to perform a

gas, expressed as sulfur,