

ICR Summary Information

Hours per Response	327
Number of Respondents	1,346
Total Estimated Burden Hours	1,220,000
Total Estimated Costs	\$219,000,000
Annualized Capital O&M	\$65,200,000
Total Annual Responses	3,736
Form Number	Not Applicable

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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)
NSPS Ka					
1	0	10	0	0	10
2	0	10	0	0	10
3	0	10	0	0	10
Average	0	10	0	0	10
NSPS Kb					
1	0	385	0	0	385
2	0	385	0	0	385
3	0	385	0	0	385
Average	0	385	0	0	385
NSPS VV					
1	0	170	0	0	170
2	0	170	0	0	170
3	0	170	0	0	170
Average	0	170	0	0	170
NSPS VVa					
1	0	75	0	0	75
2	0	75	0	0	75
3	0	75	0	0	75
Average	0	75	0	0	75
NSPS DDD					
1	5	83	0	0	88
2	5	88	0	0	93
3	5	93	0	0	98
Average	5	88	0	0	93
NSPS III					
1	0	40	0	0	40
2	0	40	0	0	40
3	0	40	0	0	40
Average	0	40	0	0	40
NSPS NNN					
1	0	136	0	0	136
2	0	136	0	0	136
3	0	136	0	0	136

No updates, retained pri

Updated based on 1854.

No updates, retained pri

No updates, retained pri

No updates, adjusted pri

No updates, retained pri

No updates, retained pri

Average	0	136	0	0	136	
NSPS RRR						
1	0	74	0	0	74	No updates, retained pri
2	0	74	0	0	74	
3	0	74	0	0	74	
Average	0	74	0	0	74	
NESHAP BB						
1	0	54	0	0	54	No updates, retained pri
2	0	54	0	0	54	
3	0	54	0	0	54	
Average	0	54	0	0	54	
NESHAP Y						
1	0	4	0	0	4	No updates, retained pri
2	0	4	0	0	4	
3	0	4	0	0	4	
Average	0	4	0	0	4	
NESHAP V						
1	0	67	0	0	67	No updates, retained pri
2	0	67	0	0	67	
3	0	67	0	0	67	
Average	0	67	0	0	67	
HON						
1	0.67	209	0	0	210	Updated based on recen
2	0.67	210	0	0	211	
3	0.67	212	0	0	212	
Average	0.67	210	0	0	211	

or estimate.

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t proposed rulemaking; we assume only 10% of these sources will comply with CAR.

Table 1: Agency Activities

Performance Tests

- Initial
- Repeat

Review Reports

- Notification of Initial Startup
 - Notification of Performance Test
 - Initial Compliance Status

 - Startup, Shutdown, Malfunction Plans

 - Periodic Reports
-

Table 2: Average Annual EPA Burden and Cost for the CAR Provisions

\$54.51

Burden item	(A)	(B)	(C)	(D)	(E)
	Average hours per activity	Number of activities per respondent per year	Estimated Technical hours per plant per year (C=AxB)	Sources per year	Technical hours per year (E=CxD)
Report review					
1. Initial notification of Part 65 applicability, Title V modification ^b	2	1	2	0	0
2. Review equipment leak monitoring ^c	5	2	10	94	940
3. Review periodic reports ^d	4	1	4	21	84.13
TOTAL (rounded) ^e					

Assumptions:

^a This cost is based on the average hourly labor rate as follows: Managerial \$73.46 (GS-13, Step 5, \$45.91 + 60%); Technical \$46.10 (GS-13, Step 5, \$27.62 + 60%); and Clerical \$29.50 (GS-6, Step 3, \$18.44 + 60%). This ICR assumes that Managerial hours are 5 percent of Technical hours. These rates are from the Office of Personnel Management (OPM), 2023 General Schedule, which rates have been increased by 60 percent to account for the benefit packages available to government employees.

^b We assume no new sources will opt to comply with the CAR at startup over the next 3 years.

^c We estimate 94 equipment leak sources will comply with the CAR (63 from the HON, 23 from subpart VV and 8 from subpart DD). Equipment leak monitoring reports will be submitted semiannually (94 x 2 = 188 per year). See Attachment C for assumptions and further details.

^d We estimate 10 percent of the 210 SOCOMI facilities, which equals 21 facilities, will opt to comply with the CAR and monitor.

^e Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

\$73.46 \$29.50

(F)	(G)	(H)
Management hours per year (F=Ex0.05)	Clerical hours per year (G=Ex0.1)	Total cost per year (\$) ^a
0	0	
47	94	\$57,465.02
4.21	8.41	\$5,143.32
1,180		\$63,000

cal \$54.51 (GS-12, Step 1, \$34.07 +
 :al hours, and Clerical hours are 10
 ch excludes locality, rates of pay. The

bpart V - see Table 4). Reports for
 scription of activities.

st submit periodic reports each year.

Table 3: Average Annual EPA Burden and Cost for the Direct Final Standards

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 (C=AxB)	Respondents per year
Report review/filing	1	1	1	6
TOTAL (rounded) ^b				

Assumptions:

^a This cost is based on the average hourly labor rate as follows: Managerial \$73.46 (GS-13, Step 5, \$45.91 + 60% 60%); and Clerical \$29.50 (GS-6, Step 3, \$18.44 + 60%). This ICR assumes that Managerial hours are 5 percent of Technical hours. These rates are from the Office of Personnel Management (OPM), 2023 General Schedule rates have been increased by 60 percent to account for the benefit packages available to government employees.

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

\$54.51 \$73.46 \$29.50

(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 cost per year (\$) ^a
6	0.3	0.6	\$366.80
7			\$367

); Technical \$54.51 (GS-12, Step 1, \$34.07 +
 of Technical hours, and Clerical hours are 10
 dule, which excludes locality, rates of pay. The

Referencing subpart	Estimated number of sources complying with the CAR ^{a, b}
Storage Vessels	
Ka	25
Kb	175
Y	0
Transfer Racks	
BB	0
Equipment Leaks	
V	8
VV	23
VVa	0
Process Vents	
III	2
NNN	4
RRR	2
DDD	4
HON F & G - Storage Vessels	211
HON F & G - Transfer Racks	84
HON H & I -- Equipment Leaks	63
HON F & G - Process Vents	169

Note to EPA:
The number of affected s
facilities under each subj
To do so, we back calcul
of whether 5% or 25% of
For e.g., for subpart DDI
Then we applied 0.77 pro
For subparts BB, V, and
the new estimates by 10%

Assumptions:

^a This table provides estimates on a per-source basis, rather than a per-facility basis. Therefore, estimates correlate to (as d the footnote to the appropriate Table), but do not match, facility entries in the reference subpart burden tables (Tables F-1 tl 12, and G-1 through G-13). For the purposes of this ICR, a source is defined as:

- One storage vessel (subparts Ka, Kb, Y, and G);
- One process vent (subparts DDD, III, NNN, RRR, and G);
- The collection of subject equipment for one process unit (subparts VV, VVa, V, and H and I); or
- One transfer rack (subparts BB and G).

^b Based on the number of sources per facility from the most recently approved CAR ICR. Because the CAR is designed for not limited to, SOCOMI facilities, the number of facilities opting to comply with the CAR is based on the estimated number facilities. It is estimated that 10 percent of non-Hazardous Organic NESHAP (HON) sources will opt to comply with the C per-source burden of complying with the CAR is less than the per-source burden of complying with the referencing subpart referencing subparts for which the per-source burden of complying with the CAR is higher than the per-source burden of cc with the referencing subpart (subparts Ka, Kb, Y, VV, VVa, III, NNN, RRR, and DDD), it is estimated that 5 percent of so opt to comply with the CAR. It is also estimated that 10 percent of HON sources will opt to comply with the CAR. Numbe sources are rounded to the nearest whole number.

sources under each reference subpart were adjusted to reflect the revised inventory of
part.

ated the number of affected sources per facility using the prior ICR assumptions
f affected sources complied with CAR.

), we took 3 process vents/5%/78 respondents to estimate 0.77 process vents per facility.

rocess vents x 93 facilities (revised inventory) x 5% complying with CAR = 4 affected sources.

HON sources, we divided by 25% to match the assumptions in the previous ICR but adjusted
% based on feedback from OAQPS.

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Table 5: Basis for Annual Respondent Burden and Cost for the CAR

Burden Item	Process Vents		Storage Vessels		Transfer Racks
	Per source ^b	Total ^c	Per source ^b	Total ^c	Per source ^b
	1. Familiarize with regulatory requirements ^e	2.9	525	1.1	452
2. Plan activities	2.1	380	1.7	699	0.85
3. Training	1.3	235	0.5	206	0.5
4. Creation, testing, research and development	28	5,068	16	6,576	16
5. Gather information, monitor/ inspect	14	2,534	17	6,987	17
6. Process/compile and review	0	0	0	0	0
7. Complete forms	9	1,629	5.4	2,219	5.4
8. Record/disclose	28	5,068	2.8	1,151	2.8
9. Store/file	3	543	1.25	514	1.25
TOTAL	88	15,982	46	18,803	45

Assumptions:

^a The HON, the basis for the CAR burden estimate, requires connector monitoring. Sources originally complying with monitoring for these facilities is the average of the per source burden for subparts V and VV. The average for subpart V for each burden item were estimated by multiplying the HON-based estimate by 40.9 percent.

^b From the most recently approved CAR ICR.

^c Total burden for each source type is the product of the per-source burden and the total number of sources estimated from the most recently approved ICR and are detailed in Table 4:

- process vents - 181
- storage vessels - 411
- transfer racks - 84
- equipment leaks with connector monitoring - 63
- equipment leaks without connector monitoring - 31
- facilities (used for inventory estimate) - 21

^d Total burden for each burden item is the sum of totals for each source type. This burden represents technical hours

^e This ICR assumes all existing respondents will have to familiarize with the regulatory requirements each year.

Annual Burden in Technical Hours							
Server Racks	Equipment Leaks				Inventory		Total ^d
	With Connectors		Without Connectors ^a				
Total ^c	Per source ^b	Total ^c	Per source ^b	Total ^c	Per source ^b	Total ^c	
92	2.5	158	1	31	1.8	37.9	1,296
71	0.57	36	0.23	7.1	4.5	95	1,288
42	0	0	0	0	0	0	483
1,344	380	23,940	155	4,805	0	0	41,733
1,428	263	16,569	108	3,348	54	1,136	32,002
0	0	0	0	0	18	379	379
454	57	3,591	23	713	5.4	114	8,720
235	4.7	296	1.9	58.9	9	189	6,998
105	2.75	173	0.9	27.9	1.58	33.2	1,396
3,772	711	44,763	290	8,991	94	1,983	94,294

with subpart V or VV will not be required to perform connector monitoring. Connector burdens V and VV is 294 hours, 40.9 percent less than the HON-based estimate. Per-source estimates

likely to opt to comply with the CAR. The estimated numbers of sources to comply with the CAR is

; only and is the basis for determining total burden in Table 6.

Table 6: Annual Respondent Burden and Cost for the CAR Provisions

\$130.28

Burden item ^a	(A)	(B)	(C)	(D)
	Average hours per activity	Estimated number of activities per year per respondent	Technical hours per year per respondent	Estimated technical hours per year
1. Familiarize with regulatory requirements ^b	2.68	23	61.6	1,296
2. Plan activities	4.7	13	61.2	1,288
3. Training	5.74	4	23.0	483
4. Creation, testing, research, and development	20.0	99	1,984	41,733
5. Gather information, monitor/inspect	2.2	677	1,521	32,002
6. Process/compile and review	18	1	18.0	379
7. Complete forms	82.9	5	415	8,720
8. Record/disclose	12.8	26	333	6,998
9. Store/file	1.90	35	66.4	1,396
TOTAL LABOR BURDEN AND COST (rounded) ^c				
TOTAL CAPITAL AND O&M COST (rounded) ^c				
GRAND TOTAL (rounded) ^c				

Assumptions:

^a Following is a brief explanation of each column. A more detailed description is provided in Attachment E.

(A) Average hours per activity are back-calculated by dividing (C) by (B).

(B) Number of activities per year is based on the estimate of number of activities per year for the HON, with a reduction achieved through the CAR.

(C) Technical hours per year per respondent are the total technical hours for a burden item as estimated in Table 5, divided by the number of respondents.

(D) Estimated technical hours per year are the total technical hours for all facilities for each burden item, as estimated in Table 5, multiplied by the number of respondents.

(E) Estimated managerial hours per year are assumed to be 5 percent of technical hours.

(F) Estimated clerical hours per year are assumed to be 10 percent of technical hours.

(G) Annual Cost is the sum of costs for technical, managerial, and clerical hours. This ICR uses the following labor rates: Technical \$130.28 (\$62.04 + 110%); and Clerical \$65.71 (\$31.29 + 110%). These rates are from the United States Department of Labor, Bureau of Economic Analysis, September 2022, "Table 2. Civilian Workers, by occupational and industry group." The rates are from column (G) and have been increased by 110 percent to account for varying industry wage rates and the additional overhead business costs, including business expenses associated with hiring, training, and equipping their employees.

^b This ICR assumes all existing respondents will have to familiarize with the regulatory requirements each year.

^c Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

\$163.17 \$65.71

(E)	(F)	(G)
Estimated managerial hours per year (E=Dx0.5)	Estimated clerical hours per year (F=Dx0.1)	Annual cost per year (\$)
65	130	\$187,897.51
64	129	\$186,756.28
24.1	48.3	\$70,010.59
2,087	4,173	\$6,051,681.46
1,600	3,200	\$4,640,565.02
18.9	38	\$54,900.60
436	872	\$1,264,421.94
350	700	\$1,014,819.98
70	140	\$202,452.50
108,000		\$13,700,000
		\$5,780,000
		\$19,500,000

ion to reflect the consolidation of activities

vided by 21 facilities.

l in Table 5.

rates: Managerial \$163.17 (\$77.70 + 110%);
 epartment of Labor, Bureau of Labor
 mn 1, "Total compensation." The rates have
 of employing workers beyond their wages

Table 7: Annual Respondent Burden and Cost for the Direct Final Standards

Burden item	(A)	(B)	(C)	(D)
	Technical person-hours per occurrence	No. of occurrences per respondents per year	Technical person-hours per respondent per year (C=AxB)	Respondents per year
1. Applications	N/A			
2. Survey and Studies	N/A			
3. Acquisition, installation, and utilization of technology and systems	N/A			
4. Reporting requirements				
A. Familiarize with regulatory requirements ^b	0.5	1	0.5	6
B. Required activities	N/A			
C. Create information	N/A			
D. Gather existing information	N/A			
E. Write report ^b	0.5	1	0.5	6
Subtotal for Reporting Requirements				
5. Recordkeeping requirements				
A. Familiarize with regulatory requirements	See 4A			
Subtotal for Recordkeeping Requirements				
TOTAL LABOR BURDEN AND COST (rounded) ^c				
TOTAL CAPITAL AND O&M COST (rounded) ^c				
GRAND TOTAL (rounded) ^c				

Assumptions:

^a This ICR uses the following labor rates: Managerial \$163.17 (\$77.70 + 110%); Technical \$130.28 (\$62.04 + 110%) rates are from the United States Department of Labor, Bureau of Labor Statistics, September 2022, “Table 2. Civilian Workers’ Compensation Rates by Industry, Sex, Race, and Hispanic or Latino Ethnicity.” The rates are from column 1, “Total compensation.” The rates have been increased by 110 percent to account for overhead business costs of employing workers beyond their wages and benefits, including business expenses associated with employees.

^b This ICR assumes all existing respondents will have to familiarize with the regulatory requirements each year.

^c Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

\$130.28 \$163.17 \$65.71

(E)	(F)	(G)	(H)
Technical hours per year (E=CxD)	Management hours per year (F=E \times 0.05)	Clerical hours per year (G=E \times 0.1)	Total cost per year (\$) ^a
3	0.15	0.3	\$435.03
3	0.15	0.3	\$435.03
7			\$870
0			\$0
7			\$870
			\$0
			\$870

); and Clerical \$65.71 (\$31.29 + 110%). These are Workers, by occupational and industry group.” Varying industry wage rates and the additional costs associated with hiring, training, and equipping their

Table 8: Summary of Respondent and Agency Burden and Cost for Referencing Subparts and

Subpart	(A)	(B)	(C)	(D)	(E)	(F)
	Number of respondents	Total annual responses ^a	Respondent reporting burden hours ^a	Respondent recordkeeping burden hours ^a	Respondent burden hours ^a	Respondent burden costs ^a
NSPS Ka	10	11.33	42	2,638	2,680	\$337,919
NSPS Kb	385	983	13,515	40,184	53,699	\$6,771,201
NSPS VV	170	340	1,760	15,640	17,400	\$2,193,994
NSPS VVa	75	150	863	7,717	8,580	\$1,081,843
NSPS DDD	93	198	3,229	1,005	4,234	\$533,925
NSPS III	40	80	322	439	761	\$95,996
NSPS NNN	136	272	1,095	1,447	2,542	\$320,471
NSPS RRR	74	148	596	787	1,383	\$174,374
NESHAP BB	54	216	7,662	4,844	12,506	\$1,576,978
NESHAP Y	4	8.08	60	9	69	\$8,464
NESHAP V	67	134	4,700	4,418	9,118	\$1,149,795
NESHAP F, G, H, and I	211	1,084	852,875	145,780	998,655	\$125,925,631
CAR ^d	21	105	98,784	9,654	108,438	\$13,673,506
CAR Revisions ^e	6	6	7	0	7	\$870
TOTAL ^f	1,346	3,736	986,000	235,000	1,220,000	\$154,000,000

Assumptions:

^a From Tables G-1 through G-13.

^b From Tables F-1 through F-12.

^c From Appendix J.

^d From Tables 2 and 6.

^e From Tables 3 and 7.

^f Burden and cost totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

the CAR

(G)	(H)	(I)	(J)
Agency burden hours ^b	Agency burden costs ^b	O&M Costs ^c	Capital/ Startup costs ^c
7	\$356	\$0	\$0
246	\$13,074	\$293,659	\$0
782	\$41,570	\$0	\$0
423	\$22,466	\$0	\$0
483	\$25,676	\$651,000	\$150,000
184	\$9,781	\$54,000	\$0
626	\$33,256	\$183,600	\$0
340	\$18,095	\$37,000	\$0
497	\$26,409	\$0	\$0
9	\$489	\$0	\$0
308	\$16,384	\$0	\$0
3,325	\$176,766	\$58,025,000	\$23,667
1,178	\$62,608	\$5,784,167	\$0
7	\$367	\$0	\$0
8,410	\$447,000	\$65,000,000	\$174,000

hr/response

327

\$65,200,000

\$219,000,000

Table 9: Summary of Total Annual Responses for Referencing Subparts and the CAR

(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
NSPS Ka				
Notification of construction	0	1	0	0
Notification of actual startup	0	1	0	0
Notification of gap measurement	11	1	0	11
Report of seal gap excess	0.33	1	0	0.33
			Subtotal	11.33
NSPS Kb				
Notification of construction	0	1	0	0
Notification of actual startup	0	1	0	0
Notification of IFR internal inspection	0	1	0	0
Notification of EFR gap measurement	0	1	0	0
IFR internal inspection report	0	1	0	0
EFR 1st seal gap measurement	0	1	0	0
EFR 2nd seal gap measurement	0	1	0	0
CVS operating plan report	0	1	0	0
Report of IFR failure	34.7	1	0	34.7
Notification of IFR delay of repair/emptying	3.5	1	0	3.5
EFR 1st seal gap measurement report	385	1	0	385
EFR 2nd seal gap measurement report	385	1	0	385
Notification of refill	175	1	0	175
			Subtotal	983
NSPS VV				
Notification of construction	0	1	0	0
Notification of reconstruction/modification	0	1	0	0
Notification of actual startup	0	1	0	0
Notification of initial/repeat performance test	0	1	0	0
Semiannual report	170	2	0	340
			Subtotal	340
NSPS VVa				
Initial performance test report	0	1	0	0
Repeat performance test report	0	1	0	0
Notification of construction	0	1	0	0
Notification of reconstruction/modification	0	1	0	0
Notification of actual startup	0	1	0	0
Notification of initial/repeat performance test	0	1	0	0
Semiannual report	75	2	0	150
			Subtotal	150
NSPS DDD				
Initial performance test report	5	1	0	5
Repeat performance test report	1	1	0	1
Notification of construction/modification	5	1	0	5
Notification of actual startup	5	1	0	5
Notification of initial/repeat performance test	6	1	0	6
Semiannual report	88	2	0	176
			Subtotal	198

NSPS III				
Initial performance test report	0	1	0	0
Repeat performance test report	0	1	0	0
Notification of construction/modification	0	1	0	0
Notification of actual startup	0	1	0	0
Notification of initial/repeat performance test	0	1	0	0
Semiannual report	40	2	0	80
			Subtotal	80
NSPS NNN				
Initial performance test report	0	1	0	0
Repeat performance test report	0	1	0	0
Notification of construction/modification	0	1	0	0
Notification of actual startup	0	1	0	0
Notification of initial/repeat performance test	0	1	0	0
Semiannual report	136	2	0	272
			Subtotal	272
NSPS RRR				
Initial performance test report	0	1	0	0
Repeat performance test report	0	1	0	0
Notification of construction/modification	0	1	0	0
Notification of actual startup	0	1	0	0
Notification of initial/repeat performance test	0	1	0	0
Semiannual report	74	2	0	148
			Subtotal	148
NESHAP BB				
Initial emission test	0	1	0	0
Monitoring performance test	0	1	0	0
Notification of construction	0	1	0	0
Notification of anticipated startup	0	1	0	0
Notification of actual startup	0	1	0	0
Notification of emission test	0	1	0	0
Report of emission test	0	1	0	0
Notification of performance test	0	1	0	0
Report of performance test	0	1	0	0
Report facilities below cut-off	0	1	0	0
Quarterly parameter excesses	54	4	0	216
			Subtotal	216
NESHAP Y				
Annual IFR internal inspections and EFR seal gap measurements	4	1	0	4
Notification of construction/reconstruction	0	1	0	0
Notification of anticipated startup	0	1	0	0
Notification of actual startup	0	1	0	0
Notification of emission test	0	1	0	0
Report of emission test	0	1	0	0
Notification of control installation and refill at 1st IFR degassing	0	1	0	0
Annual inspection report	4	1	0	4
Supplemental delay report	0.08	1	0	0.08
Quarterly emission report	0	4	0	0
			Subtotal	8.08
NESHAP V				
Initial performance test report	0	1	0	0

Reference method 21/22 test	0	1	0	0
Repeat performance test report	0	1	0	0
Notification of construction/reconstruction	0	1	0	0
Notification of anticipated startup	0	1	0	0
Notification of actual startup	0	1	0	0
Notification of initial/repeat performance test	0	1	0	0
Application for alternative	0	1	0	0
Initial report	0	1	0	0
Semiannual report	67	2	0	134
			Subtotal	134
NESHAP F, G, H, and I				
Complete reports (new respondents; see Table G-12)	0.67	49	0	32.67
Complete reports (existing respondents; see Table G-13)	210	5	0	1051.67
			Subtotal	1,084
CAR Provisions				
Complete forms (see Table 6)	21	5	0	105
			Subtotal	105
CAR Direct Final Standards				
Write report (see Table 7)	6	1	0	6
			Subtotal	6
	Total responses (all subparts)			3,736

Table F-1: Average Annual EPA Burden and Cost for Subpart Ka^a

Burden item	(A)	(B)	(C)	(D)
	Person-hours per occurrence	No. of occurrences per respondent per year	Person-hours per respondent per year (C=AxB)	Respondents per year ^a
Report review: New plant				0
Vapor recovery ^c	N/A			
Report review: Existing plant				
Notification of reconstruction	2	1	2	0
Notification of modification	2	1	2	0
Notification of seal gap measurement ^d	0.5	1	0.5	11
Report of gap excesses ^{d,e}	1	1	1	0.33
TOTAL (rounded)^f				

Assumptions:

^a Assume that there will be no new source subject to the requirements of this regulation. Similar new sources will be sources with an average of 50 tanks per facility.

^b This cost is based on the average hourly labor rate as follows: Managerial \$73.46 (GS-13, Step 5, \$45.91 + 60%); Technical \$49.50 (GS-11, Step 5, \$30.94 + 60%) and Clerical \$29.50 (GS-6, Step 3, \$18.44 + 60%). This ICR assumes that Managerial hours are 5 percent of Technical hours. These rates are from the Office of Personnel Management (OPM), 2023 General Schedule, which has been increased by 60 percent to account for the benefit packages available to government employees.

^c One-time only activity required at start of construction. Any new storage vessel being constructed would be subject to these requirements.

^d Estimate that 10 percent of respondents (1) will use a vapor recovery control system and 90 percent of respondents (9) using vapor recovery control are not required to do seal gap measurements. All tanks using floating roof system (9) will be required to do seal gap measurements. Twenty percent of respondents (2) will conduct a primary seal gap measurement. Total respondents submitting a notification of seal gap measurement: 9 + 2 = 11.

^e Assume that 3 percent of respondents submitting a notification of either primary or secondary gap measurement (11) are required to submit a secondary report requiring that a single report be filed once every three years. (11 x 0.03 = 0.33)

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

\$54.51 (E)	\$73.46 (F)	\$29.50 (G)	(H)
Technical hours per year (E=CxD)	Managemen t hours per year (F=Ex0.05)	Clerical hours per year (G=Ex0.1)	Total cost per year (\$) ^b
0	0	0	\$0
0	0	0	\$0
5.5	0.28	0.55	\$336.23
0.33	0.02	0.03	\$20.17
6.7			\$356

subject to NSPS Subpart Kb. There are 10 existing

Technical \$54.51 (GS-12, Step 1, \$34.07 + 60%);
 1 hours, and Clerical hours are 10 percent of
 includes locality, rates of pay. The rates have been

to NSPS Subpart Kb.

9) will use a floating roof system. Respondents
 will perform a secondary seal gap measurement.
 indication of either primary or secondary gap

) will have excessive seal gaps (primary or

Table F-2: Average Annual EPA Burden and Cost for Subpart Kb

\$54.51

Burden item	(A)	(B)	(C)	(D)	(E)
	Person-hours per occurrence	No. of occurrences per respondent per year	Person-hours per respondent per year (C=AxB)	Respondents per year ^a	Technical hours per year (E=CxD)
Report review: New plant					
Notification of construction	2	1	2	0	0
Notification of anticipated startup	1	1	1	0	0
Notification of actual startup	1	1	1	0	0
Notification of initial inspection	1	1	1	0	0
Report review: New and Existing plants					
IFR failure report ^c	1	1	1	35	34.7
Notification of IFR delay of repair/emptying ^d	1.2	1	1.2	3.5	4.2
Notification of refill ^e	1	1	1	175	175
TOTAL (rounded) ^f					

Assumptions:

^a We have assumed that the average number of respondents that will be subject to revised requirements will be 385 per year. 3,500 existing IFR storage vessels subject to the NSPS.

^b This cost is based on the average hourly labor rate as follows: Managerial \$73.46 (GS-13, Step 5, \$45.91 + 60%); Technical 60%); and Clerical \$29.50 (GS-6, Step 3, \$18.44 + 60%). This ICR assumes that Managerial hours are 5 percent of Technical percent of Technical hours. These rates are from the Office of Personnel Management (OPM), 2023 General Schedule, which rates have been increased by 60 percent to account for the benefit packages available to government employees.

^c We estimate that 90% of existing and new respondents ((385+0) x 0.9 = 347) will choose visual inspections. We estimate 10 respondents choosing annual visual inspections, yielding 35 reports. (347 x 0.1 = 35 (rounded)).

^d Estimate 10 percent of failed IFRs either are delayed in repair or are emptied, yielding 3.5 notifications per year.

^e We assumed degassing would occur every 20 years for maintenance in the absence of the internal inspection requirement. Without requirement, there would be 175 degassing and emptying events per year (3500/20).

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

\$73.46 \$29.50

(F)	(G)	(H)
Management hours per year (F=Ex0.05)	Clerical hours per year (G=Ex0.1)	Total cost per year (\$) _b
0	0	\$0.00
0	0	\$0.00
0	0	\$0.00
0	0	\$0.00
1.735	3.47	\$2,121.32
0.21	0.4	\$254.56
8.8	17.5	\$10,698.28
246		\$13,100

This is based on our estimate of

. \$54.51 (GS-12, Step 1, \$34.07 + hours, and Clerical hours are 10 excludes locality, rates of pay. The

) percent failure rate for the 347

without the internal inspection

Table F-3: Average Annual EPA Burden and Cost for Subpart VV

Burden item	(A)	(B)	(C)
	Person-hours per occurrence	No. of occurrences per respondent per year	Person-hours per respondent per year (C=AxB)
Report review: New plant			
Notification of construction	8	1	8
Notification of reconstruction/ modification	2	1	2
Notification of actual startup	0.5	1	0.5
Notification of initial/repeat test	0.5	1	0.5
Review test results	2	1	2
Report review: Existing plant			
Semiannual emission report	2	2	4
TOTAL (rounded) ^c			

Assumptions:

^a All new sources are subject to subpart VVa. There are an average of 170 existing sources per year that will be s not include sources subject to both subpart VV and the HON, which we assume comply with the HON instead.

^b This cost is based on the average hourly labor rate as follows: Managerial \$73.46 (GS-13, Step 5, \$45.91 + 60% \$29.50 (GS-6, Step 3, \$18.44 + 60%). This ICR assumes that Managerial hours are 5 percent of Technical hours, from the Office of Personnel Management (OPM), 2023 General Schedule, which excludes locality, rates of pay, benefit packages available to government employees.

^c Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

	\$54.51	\$73.46	\$29.50	
(D)	(E)	(F)	(G)	(H)
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 cost per year (\$) ^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
170	680	34	68	\$41,570.44
		782		\$41,600

subject to subpart VV over the next three years. These estimates do

6); Technical \$54.51 (GS-12, Step 1, \$34.07 + 60%); and Clerical and Clerical hours are 10 percent of Technical hours. These rates are The rates have been increased by 60 percent to account for the

Table F-4: Average Annual EPA Burden and Cost for Subpart VVa

Burden item	(A)	(B)	(C)	(D)
	Person-hours per occurrence	No. of occurrences per respondent per year	Person-hours per respondent per year (C=AxB)	Respondents per year ^a
Report review: New plant				
Notification of construction ^c	8	1	8	0
Notification of reconstruction/ modification ^c	2	1	2	0
Notification of actual startup	0.5	1	0.5	0
Notification of initial/repeat test ^d	0.5	1	0.5	0
Review test results ^d	2	1	2	0
Report review: Existing plant				
Semiannual emission report	2.45	2	4.9	75
TOTAL (rounded) ^e				

Assumptions:

^a Assume there will be no new, modified, or reconstructed facilities each year and an average of 75 existing facilities or stringent than the HON and MON, no sources are assumed to be complying with the HON or MON instead of Subpart

^b This cost is based on the average hourly labor rate as follows: Managerial \$73.46 (GS-13, Step 5, \$45.91 + 60%); Technical \$29.50 (GS-6, Step 3, \$18.44 + 60%). This ICR assumes that Managerial hours are 5 percent of Technical hours. These rates are from the Office of Personnel Management (OPM), 2023 General Schedule, which excludes local percent to account for the benefit packages available to government employees.

^c Estimate no new sources will be constructed and no existing sources will be modified/reconstructed.

^d Assume 20 percent of initial performance tests must be repeated due to failure.

^e Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

\$54.51 \$73.46 \$29.50

(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 cost per year (\$) ^b
0	0	0	\$0.00
0	0	0	\$0.00
0	0.00	0	\$0.00
0	0.00	0	\$0.00
0	0	0	\$0.00
368	18.4	36.8	\$22,466.38
423			\$22,500

ver the next 3 years. Since Subpart VVa is more VVa.

chnical \$54.51 (GS-12, Step 1, \$34.07 + 60%); and
rs, and Clerical hours are 10 percent of Technical
ity, rates of pay. The rates have been increased by 60

Table F-5: Average Annual EPA Burden and Cost for Subpart DDD

Burden item	(A)	(B)	(C)	(D)
	Person-hours per occurrence	No. of occurrences per respondent per year	Person-hours per respondent per year (C=AxB)	Respondents per year ^a
Report review: New plant				
Notification of construction/ modification	2	1	2	5
Notification of actual startup	2	1	2	5
Initial performance test	8	1	8	5
Repeat performance test ^c	8	1	8	1
Report review: Existing plant				
Semiannual report	2	2	4	88
TOTAL (rounded) ^d				

Assumptions:

^a We assume 5 new affected sources per year and an average of 88 existing affected sources over the next three years.

^b This cost is based on the average hourly labor rate as follows: Managerial \$73.46 (GS-13, Step 5, \$45.91 + 60%); Tec Clerical \$29.50 (GS-6, Step 3, \$18.44 + 60%). This ICR assumes that Managerial hours are 5 percent of Technical hour hours. These rates are from the Office of Personnel Management (OPM), 2023 General Schedule, which excludes local 60 percent to account for the benefit packages available to government employees.

^c Assume 20 percent of initial performance tests must be repeated due to failure.

^d Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

\$54.51 \$73.46 \$29.50

(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 cost per year (\$) _b
10	0.5	1	\$611.33
10	0.5	1	\$611.33
40	2	4	\$2,445.32
8	0.4	0.8	\$489.06
352	17.6	35.2	\$21,518.82
483			\$25,700

Technical \$54.51 (GS-12, Step 1, \$34.07 + 60%); and
 Management and Clerical hours are 10 percent of Technical
 hours, and rates of pay. The rates have been increased by

Table F-6: Average Annual EPA Burden and Cost for Subpart III

Burden item	(A)	(B)	(C)	(D)
	Person-hours per occurrence	No. of occurrences per respondent per year	Person-hours per respondent per year (C=AxB)	Respondents per year ^a
Report review: New plant				
Notification of construction/ modification	2	1	2	0
Notification of anticipated startup	2	1	2	0
Notification of actual startup	2	1	2	0
Initial performance test	8	1	8	0
Repeat performance test ^c	8	1	8	0
Report review: Existing plant				
Semiannual report	2	2	4	40
TOTAL (rounded) ^d				

Assumptions:

^a Assume no new affected sources per year and an average of 40 existing affected sources over the next three years. T III and the HON, which are assumed to be complying with the HON.

^b This cost is based on the average hourly labor rate as follows: Managerial \$73.46 (GS-13, Step 5, \$45.91 + 60%); Technical \$29.50 (GS-6, Step 3, \$18.44 + 60%). This ICR assumes that Managerial hours are 5 percent of Technical hours. These rates are from the Office of Personnel Management (OPM), 2023 General Schedule, which excludes local 60 percent to account for the benefit packages available to government employees.

^c Assume 20 percent of initial performance tests must be repeated due to failure.

^d Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

\$54.51 \$73.46 \$29.50

(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 cost per year (\$) _b
0	0	0	\$0.00
0	0	0	\$0.00
0	0	0	\$0.00
0	0	0	\$0.00
0	0.0	0.0	\$0.00
160	8	16	\$9,781.28
184			\$9,780

his does not include sources subject to both subpart

chnical \$54.51 (GS-12, Step 1, \$34.07 + 60%); and
 rs, and Clerical hours are 10 percent of Technical
 lity, rates of pay. The rates have been increased by

Table F-7: Average Annual EPA Burden and Cost for Subpart NNN

Burden item	(A)	(B)	(C)	(D)
	Person-hours per occurrence	No. of occurrences per respondent per year	Person-hours per respondent per year (C=AxB)	Respondents per year ^a
Report review: New plant				
Notification of construction/ modification	2	1	2	0
Notification of actual startup	2	1	2	0
Initial performance test	8	1	8	0
Repeat performance test ^c	8	1	8	0
Report review: Existing plant				
Semiannual report	2	2	4	136
TOTAL (rounded) ^d				

Assumptions:

^a Assume no new affected sources per year subject to subpart NNN and not the HON. We assume 136 existing affected sources subject to subpart NNN and not the HON. These estimates do not include sources subject to both Subpart NNN and the HON, which are a

^b This cost is based on the average hourly labor rate as follows: Managerial \$73.46 (GS-13, Step 5, \$45.91 + 60%); Technical \$29.50 (GS-6, Step 3, \$18.44 + 60%). This ICR assumes that Managerial hours are 5 percent of Technical hours. These rates are from the Office of Personnel Management (OPM), 2023 General Schedule, which excludes locality pay to account for the benefit packages available to government employees.

^c Assume 20 percent of initial performance tests must be repeated due to failure.

^d Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

\$54.51 \$73.46 \$29.50

(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 cost per year (\$) ^b
0	0	0	\$0.00
0	0	0	\$0.00
0	0	0	\$0.00
0	0	0	\$0.00
544	27.2	54.4	\$33,256.35
626			\$33,300

sources over the next three years subject to subpart assumed to be complying with the HON.

mical \$54.51 (GS-12, Step 1, \$34.07 + 60%); and , and Clerical hours are 10 percent of Technical y, rates of pay. The rates have been increased by 60

Table F-8: Average Annual EPA Burden and Cost for Subpart RRR

\$54.51

Burden item	(A)	(B)	(C)	(D)	(E)
	Person-hours per occurrence	No. of occurrences per respondent per year	Person-hours per respondent per year (C=AxB)	Respondents per year ^a	Technical hours per year (E=CxD)
Report review: New plant					
Notification of construction/ modification	2	1	2	0	0
Notification of actual startup	2	1	2	0	0
Initial performance test	8	1	8	0	0
Repeat performance test ^c	8	1	8	0	0
Report review: Existing plant					
Semiannual report	2	2	4	74	296
TOTAL (rounded) ^d					

Assumptions:

^a Assume no new affected sources per year subject to subpart RRR and not the HON. Assume 74 existing affected sources do not include sources subject to both Subpart RRR and the HON, which are assumed to be complying with the HON.

^b This cost is based on the average hourly labor rate as follows: Managerial \$73.46 (GS-13, Step 5, \$45.91 + 60%); Technical and Clerical \$29.50 (GS-6, Step 3, \$18.44 + 60%). This ICR assumes that Managerial hours are 5 percent of Technical hours, and Technical hours are 5 percent of Clerical hours. These rates are from the Office of Personnel Management (OPM), 2023 General Schedule, which excludes low pay rates and is increased by 60 percent to account for the benefit packages available to government employees.

^c Assume 20 percent of initial performance tests must be repeated due to failure.

^d Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

\$73.46 \$29.50

(F)	(G)	(H)
Management hours per year (F=Ex0.05)	Clerical hours per year (G=Ex0.1)	Total cost per year (\$) b
0	0	\$0.00
0	0	\$0.00
0	0	\$0.00
0	0	\$0.00
14.8	29.6	\$18,095.37
340		\$18,100

r the next three years. These estimates

\$54.51 (GS-12, Step 1, \$34.07 + 60%);
 and Clerical hours are 10 percent of
 quality, rates of pay. The rates have been

Table F-9: Average Annual EPA Burden and Cost for Subpart BB

Burden item	(A)	(B)	(C)	(D)
	Person-hours per occurrence	No. of occurrences per respondent per year	Person-hours per respondent per year (C=AxB)	Respondents per year ^a
Report review: New plant				
Notification of construction	0.5	1	0.5	0
Notification of anticipated startup	0.5	1	0.5	0
Notification of actual startup	0.5	1	0.5	0
Initial report	8	1	8	0
Notification of emission test	0.5	1	0.5	0
Report of emission test	4	1	4	0
Notification of performance test	0.5	1	0.5	0
Report of performance test	8	1	8	0
Review test results	8	1	8	0
Report review: Existing plant				
Quarterly report	2	4	8	54
TOTAL (rounded) ^c				

Assumptions:

^a We estimate an average of 54 existing facilities will be subject to the standard, and that no new sources will become tank truck/railcars and 131 marine vessels are subject to the standards. We assume 50 percent of marine vessels (66) conduct annual vapor-tightness tests. We also assume all other transfer racks subject to Subpart BB are complying with the HAP

^b This cost is based on the average hourly labor rate as follows: Managerial \$73.46 (GS-13, Step 5, \$45.91 + 60%); Technical and Clerical \$29.50 (GS-6, Step 3, \$18.44 + 60%). This ICR assumes that Managerial hours are 5 percent of Technical hours. These rates are from the Office of Personnel Management (OPM), 2023 General Schedule, which has increased by 60 percent to account for the benefit packages available to government employees.

^c Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

\$54.51 \$73.46 \$29.50

(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 cost per year (\$) _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
0	0	0	\$0
432	21.6	43.2	\$26,409.46
497			\$26,400

subject over the next three years. We estimate 3 operate at negative pressure and do not conduct ON.

Technical \$54.51 (GS-12, Step 1, \$34.07 + 60%); Management hours, and Clerical hours are 10 percent of Management hours. The rates have been adjusted to include locality, rates of pay. The rates have been

Table F-10: Average Annual EPA Burden and Cost for Subpart Y

Burden item	(A)	(B)	(C)
	Person-hours per occurrence	No. of occurrences per respondent per year	Person-hours per respondent per year (C=AxB)
Report review: New plant			
Notification of construction	See NSPS Kb		
Notification of anticipated startup	See NSPS Kb		
Notification of actual startup	See NSPS Kb		
Notification of performance test	N/A		
Report of performance test	N/A		
Notification of control installation and refill at 1st IFR degassing ^c	1	1	1
Report review: Existing plant			
Annual IFR internal inspection and EFR seal gap measurement	2	1	2
Supplemental delay report ^d	1	1	1
Quarterly emission report ^e	N/A		
TOTAL (rounded) ^f			

Assumptions:

^a Estimate there will be 4 existing sources not covered by the HON. The burden for all new sources is included in the NS

^b This cost is based on the average hourly labor rate as follows: Managerial \$73.46 (GS-13, Step 5, \$45.91 + 60%); Tech (GS-6, Step 3, \$18.44 + 60%). This ICR assumes that Managerial hours are 5 percent of Technical hours, and Clerical ho Office of Personnel Management (OPM), 2023 General Schedule, which excludes locality, rates of pay. The rates have b available to government employees.

^c We believe that all vessels have been degassed and that all controls have been installed, as they were to be installed wit

^d Estimate two percent of existing sources will request delay of repair in the annual report.

^e Assume no sources will select the option to have a fixed roof vented to a control device, and thus have no quarterly rep

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

\$54.51 \$73.46 \$29.50

(D)	(E)	(F)	(G)	(H)
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 cost per year (\$) ^b
0	0	0	0	\$0
4	8	0.4	0.8	\$489.06
0	0	0	0	\$0
	9			\$489

SPS Subpart Kb regulation for storage vessels at 40 CFR Part 60.

Technical \$54.51 (GS-12, Step 1, \$34.07 + 60%); and Clerical \$29.50 are 10 percent of Technical hours. These rates are from the year 2000 and have been increased by 60 percent to account for the benefit packages

within 10 years of promulgation.

amounts of excess emissions.

Table F-11: Average Annual EPA Burden and Cost for Subpart V

Burden item	(A)	(B)	(C)	(D)
	Person-hours per occurrence	No. of occurrences per respondent per year	Person-hours per respondent per year (C=AxB)	Respondents per year ^a
Report review: New plant				
Notification of construction	2	1	2	0
Notification of anticipated startup	2	1	2	0
Notification of actual startup	2	1	2	0
Initial performance test	8	1	8	0
Repeat performance test ^c	8	1	8	0
Semiannual report	2	2	4	67
TOTAL (rounded) ^d				

Assumptions:

^a Assume no new sources per year and 67 existing sources subject to Subpart V, but not the HON.

^b This cost is based on the average hourly labor rate as follows: Managerial \$73.46 (GS-13, Step 5, \$45.91 + 60%); Technical \$29.50 (GS-6, Step 3, \$18.44 + 60%). This ICR assumes that Managerial hours are 5 percent of Technical hours. These rates are from the Office of Personnel Management (OPM), 2023 General Schedule, which excludes local 60 percent to account for the benefit packages available to government employees.

^c Assume 20 percent of initial performance tests must be repeated due to failure.

^d Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

\$54.51 \$73.46 \$29.50

(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 cost per year (\$) _b
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
268	13.4	26.8	\$16,383.64
308			\$16,400

chnical \$54.51 (GS-12, Step 1, \$34.07 + 60%); and
 rs, and Clerical hours are 10 percent of Technical
 ity, rates of pay. The rates have been increased by

Table F-12: Average Annual EPA Burden and Cost for Sources Subject to the HON

\$54.51 \$73.46 \$29.50

Burden item	(A)	(B)	(C)	(D)	(E)
	Average hours per activity	Number of activities per year	Technical hours per year (C=AxB)	Management hours per year (D=Cx0.05)	Clerical hours per year (E=Cx0.1)
Report review:					
1. Initial	2	0.67	1.33	0.07	0.13
2. Implementation plan or permit	20	0.67	13.33	0.67	1.33
3. Compliance status	40	0.67	26.67	1.33	2.67
4. Review equipment leak monitoring ^b	7	189	1,325	66	133
5. Notification of construction/reconstruction	2	0.67	1.33	0.07	0.13
6. Notification of anticipated startup	2	0.67	1.33	0.07	0.13
7. Notification of actual startup	2	0.67	1.33	0.07	0.13
8. Notification of performance test	2	0.67	1.33	0.07	0.13
9. Review of test results	8	0.67	5.33	0.27	0.53
10. Review periodic reports ^c	4	379	1,514	76	151
TOTAL (rounded)				3,330	

Assumptions:

^a This cost is based on the average hourly labor rate as follows: Managerial \$73.46 (GS-13, Step 5, \$45.91 + 60%); Technical (GS-12, Step 1, \$34.07 + 60%); and Clerical \$29.50 (GS-6, Step 3, \$18.44 + 60%). This ICR assumes that Managerial hours are 10 percent of Technical hours, and Clerical hours are 10 percent of Technical hours. These rates are from the Office of Personnel Management (OPM), 2023 General Schedule, which excludes locality, rates of pay. The rates have been increased by 60 percent to account for the benefit packages available to government employees.

^b There are 189 existing sources out of the 210 total that will continue to comply with the HON.

^c The 189 existing sources complying with the HON file semi-annual reports.

(F)
Total cost per year (\$) ^a
\$81.51
\$815.11
\$1,630.21
\$81,007.34
\$81.51
\$81.51
\$81.51
\$81.51
\$326.04
\$92,579.82
\$177,000

nical \$54.51
 urs are 5
 nnel
 percent to

Table G-1: Annual Respondent Burden and Cost for Subpart Ka ^a

Burden item	(A)	(B)	(C)
	Person-hours per occurrence	No. of occurrences per respondent per year	Person-hours per respondent per year (C=AxB)
1. Applications	N/A		
2. Survey and Studies	N/A		
3. Reporting requirements			
A. Familiarize with regulatory requirements ^c	1	1	1
B. Required activities			
Vapor recovery information	20	1	20
Measure seal gap	See 4E		
C. Create information	See 3B		
D. Gather existing information ^d	1	1	1
E. Write report			
Notification of construction	2	1	2
Notification of actual startup	2	1	2
Notification of gap measurement ^d	1.5	1	1.5
Report of seal gap excess ^e	2.5	1	2.5
Information on vapor recovery	See 3B		
Subtotal for Reporting Requirements			
4. Recordkeeping requirements			
A. Familiarize with regulatory requirements	See 3A		
B. Plan activities	See 3B		
C. Implement activities	See 3B		
D. Develop record system	N/A		
E. Time to enter information			
New tank seal gap measurements	5	50	250
Secondary seal gap measurements ^{d, e, f}	5	50	250
Primary seal gap measurements ^{d, e, g}	2	10	20
Fill/refill record ^{h, i}	0.2	10	2
Subtotal for Recordkeeping Requirements			
TOTAL LABOR BURDEN AND COST (rounded) ^j			
TOTAL CAPITAL AND O&M COST (rounded) ^j			
GRAND TOTAL (rounded) ^j			

Assumptions:

^a Assume that there will be no new source subject to the requirements of this regulation. Similar new sources w 50 tanks per facility.

^b This ICR uses the following labor rates: Managerial \$163.17 (\$77.70 + 110%); Technical \$130.28 (\$62.04 + 1 Department of Labor, Bureau of Labor Statistics, September 2022, “Table 2. Civilian Workers, by occupational have been increased by 110 percent to account for varying industry wage rates and the additional overhead busi expenses associated with hiring, training, and equipping their employees

- ^c This ICR assumes all existing respondents will have to familiarize with the regulatory requirements each year
- ^d Estimate that 10 percent of respondents (1) will use a vapor recovery control system and 90 percent (9) will use to do seal gap measurements. All tanks using floating roof system (9) will perform a secondary seal gap measurement: 9 + 2 = 11.
- ^e Assume that 3 percent of respondents submitting a notification of either primary or secondary gap measurement be filed once every three years.
- ^f Estimate five hours to conduct secondary seal gap measurements annually for the average 50 tanks per respondent
- ^g Estimate two hours to conduct primary seal measurements every five years for the average 50 tanks per respondent
- ^h During any one year, a respondent would change liquid at approximately 20 percent of all facilities (35).
- ⁱ Estimate 0.2 hours per tank to record a liquid change at 20 percent of the average of 50 tanks per facility (10).
- ^j Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

\$130.28 \$163.17 \$65.71

(D)	(E)	(F)	(G)	(H)
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 cost per year (\$) ^b
10	10	0.5	1	\$1,450.10
0	0	0	0	\$0
9	9	0.45	0.9	\$1,305.09
0	0	0	0	\$0
0	0	0	0	\$0
11	16.5	0.8	1.7	\$2,392.66
0.33	0.8	0.04	0.1	\$119.63
	42			\$5,267
0	0	0	0	\$0
9	2,250	112.5	225	\$326,271.38
2	40	2	4	\$5,800.38
2	4	0.2	0.4	\$580.04
	2,638			\$332,652
	2,680			\$338,000
				\$0
				\$338,000

will be subject to NSPS Subpart Kb. There are 10 existing sources with an average of

.10%); and Clerical \$65.71 (\$31.29 + 110%). These rates are from the United States and industry group.” The rates are from column 1, “Total compensation.” The rates represent the business costs of employing workers beyond their wages and benefits, including business

se a floating roof system. Respondents using vapor recovery control are not required
ement. Twenty percent (2) will conduct a primary seal gap measurement. Total

nt (11) will have excessive seal gaps (primary or secondary) requiring that a report

dent.

ident (10 tanks per respondent per year).

Table G-2: Annual Respondent Burden and Cost for Subpart Kb

Burden item	(A)	(B)	(C)	(D)
	Person-hours per occurrence	No. of occurrences per respondent per year	Person-hours per respondent per year (C=AxB)	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	385
B. Required activities				
One-time-only requirements				
Notification of construction	2	1	2	0
Notification of actual startup	2	1	2	0
Notification of physical/ operational changes ^d	N/A			
Notification of malfunction ^d	N/A			
Notification of initial inspection				
IFR internal inspection	2	1	2	0
EFR gap measurement	2	1	2	0
Initial inspection report				
IFR internal inspection report	12	1	12	0
EFR 1st seal gap measurement	12	1	12	0
EFR 2nd seal gap measurement	8	1	8	0
CVS operating plan report	8	1	8	0
Repeat requirements				
Internal IFR inspection ^e	12	1	12	39
Visual IFR inspection ^e	8	1	8	347
Report of IFR failure ^{e,f}	2	1	2	35
Notification of IFR delay of repair/emptying ^{e,f,g}	4	1	4	3.5
EFR 1st seal gap measurement report	12	1	12	385
EFR 2nd seal gap measurement report	8	1	8	385
Notification of refill ^h	2	1	2	175
Subtotal for Reporting Requirements				
4. Recordkeeping requirements				
A. Familiarize with regulatory requirements ^c	See 3A			
B. Gather and record information				
Vessel volumes, liquid vapor pressures, flares	8	1	8	385
113b(a) inspection	12	1	12	385
113b(b) gap measurement	12	1	12	385
C. Develop record system	N/A			
D. Time to enter information				
CVS parameter records	2	52	104	218
E. Train personnel	N/A			

F. Audits	N/A			
Subtotal for Recordkeeping Requirements				
TOTAL LABOR BURDEN AND COST (rounded) ⁱ				
TOTAL CAPITAL AND O&M COST (rounded) ⁱ				
GRAND TOTAL (rounded) ⁱ				

Assumptions:

- ^a We have assumed that the average number of respondents that will be subject to revised requirements will be 385 per year. vessels subject to the NSPS.
- ^b This ICR uses the following labor rates: Managerial \$163.17 (\$77.70 + 110%); Technical \$130.28 (\$62.04 + 110%); and Civilian \$100.00 (\$47.61 + 110%). Source: U.S. States Department of Labor, Bureau of Labor Statistics, September 2022, “Table 2. Civilian Workers, by occupational and industry group, by sex, race, and hispanic or latino ethnicity, 2021.” The rates have been increased by 110 percent to account for varying industry wage rates and the additional overhead business expenses associated with hiring, training, and equipping their employees.
- ^c This ICR assumes all existing respondents will have to familiarize with the regulatory requirements each year.
- ^d The General Provision notifications of modification or malfunction will be covered by other notifications within the subpart.
- ^e For each of the 3,500 IFRs associated with the 385 existing respondents, we estimate that 90 percent (385 x 0.9 = 347) will conduct an internal inspection. These activities are required to generate the information for the IFR failure response.
- ^f We estimate that 90% of existing and new respondents ((385+0) x 0.9 = 347) will choose visual inspections. We estimate 10 percent (347 x 0.1 = 35) will choose to empty the vessel. (347 x 0.1 = 35 (rounded)).
- ^g Estimate 10 percent of the 35 failed IFRs either are delayed in repair or are emptied, yielding 3.5 notifications per year.
- ^h We assumed degassing would occur every 20 years for maintenance in the absence of the internal inspection requirement. We estimate 17.5 degassing and emptying events per year (3500/20).
- ⁱ Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

\$130.28

\$163.17

\$65.71

(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 cost per year (\$) ^b
385	19	39	\$55,828.66
0	0	0	\$0.00
0	0	0	\$0.00
0	0.0	0.0	\$0.00
0	0	0.0	\$0.00
0	0.0	0	\$0.00
0	0.0	0.0	\$0.00
0	0.0	0.0	\$0.00
0	0	0	\$0.00
462	23	46	\$66,994.39
2,772	139	277	\$401,966.33
69.4	3.47	7	\$10,063.66
13.88	0.694	1.388	\$2,012.73
4,620	231	462	\$669,943.89
3,080	154	308	\$446,629.26
350	18	35	\$50,753.33
13,515			\$1,704,192
3,080	154	308	\$446,629.26
4,620	231	462	\$669,943.89
4,620	231	462	\$669,943.89
22,623	1,131	2,262	\$3,280,491.91

	40,184		\$5,067,009
	53,700		\$6,770,000
			\$294,000
			\$7,060,000

This is based on our estimate of 3,500 existing IFR storage

erical \$65.71 (\$31.29 + 110%). These rates are from the United
lustry group.” The rates are from column 1, “Total compensation.”
s costs of employing workers beyond their wages and benefits,

t.

conduct an annual visual inspection, while 10 percent (385 x 0.1 =
report and EFR primary and secondary seal gap reports, but do not

) percent failure rate for the 347 respondents choosing annual

Without the internal inspection requirement, there would be 175

Table G-3: Annual Respondent Burden and Cost for Subpart VV

Burden item	(A)	(B)	(C)	(D)
	Person-hours per occurrence	No. of occurrences per respondent per year	Person-hours per respondent per year (C=AxB)	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	170
B. Required activities				
Initial performance test report	48	1	48	0
Repeat performance test report ^d	48	1	48	0
C. Create information	See 3B			
D. Gather existing information	See 3E			
E. Write report				
Notification of construction	2	1	2	0
Notification of reconstruction/modification	2	1	2	0
Notification of actual startup	2	1	2	0
Notification of initial/repeat performance test	2	1	2	0
Semiannual report	4	2	8	170
Subtotal for Reporting Requirements				
4. Recordkeeping requirements				
A. Familiarize with regulatory requirements	See 3A			
B. Plan activities	See 4C			
C. Implement activities	See 3B			
D. Develop record system	N/A			
E. Time to enter information				
Records of operating parameters	80	1	80	170
F. Train personnel	N/A			
G. Audits	N/A			
Subtotal for Recordkeeping Requirements				
TOTAL LABOR BURDEN AND COST (rounded) ^e				
TOTAL CAPITAL AND O&M COST (rounded) ^e				
GRAND TOTAL (rounded) ^e				

Assumptions:

^a All new sources are subject to Subpart VVa. There is an average of 170 existing sources per year that will be subject to source testing. This includes sources subject to both subpart VV and the HON, which we assume comply with the HON instead.

^b This ICR uses the following labor rates: Managerial \$163.17 (\$77.70 + 110%); Technical \$130.28 (\$62.04 + 110%); and (C) States Department of Labor, Bureau of Labor Statistics, September 2022, “Table 2. Civilian Workers, by occupational and industry, by sex, race, and hispanic or latino ethnicity, 2019.” The rates have been increased by 110 percent to account for varying industry wage rates and the additional wages and benefits, including business expenses associated with hiring, training, and equipping their employees.

- ^c This ICR assumes all existing respondents will have to familiarize with the regulatory requirements each year.
- ^d Assume 20 percent of performance tests must be repeated.
- ^e Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

\$130.28

\$163.17

\$65.71

(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 cost per year (\$) ^b
170	8.5	17	\$24,651.62
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
1,360	68	136	\$197,212.92
1,760			\$221,865
13,600	680	1360	\$1,972,129.20
15,640			\$1,972,129
17,400			\$2,190,000
			\$0
			\$2,190,000

ubpart VV over the next three years. These estimates do not

Clerical \$65.71 (\$31.29 + 110%). These rates are from the United industry group.” The rates are from column 1, “Total overhead business costs of employing workers beyond their

Table G-4: Annual Respondent Burden and Cost for Subpart VVa

Burden item	(A)	(B)	(C)
	Person-hours per occurrence	No. of occurrences per respondent per year	Person-hours per respondent per year (C=AxB)
1. Applications	N/A		
2. Survey and Studies	N/A		
3. Reporting requirements			
A. Familiarize with regulatory requirements ^c	1	1	1
B. Required activities			
Initial performance test report	48	1	48
Repeat performance test report ^d	48	1	48
C. Create information	See 3B		
D. Gather existing information	See 3E		
E. Write report			
Notification of construction ^e	2	1	2
Notification of reconstruction/modification ^e	2	1	2
Notification of actual startup	2	1	2
Notification of initial/repeat performance test ^d	2	1	2
Semiannual report	4.5	2	9
Subpart for Reporting Requirements			
4. Recordkeeping requirements			
A. Familiarize with regulatory requirements	See 3A		
B. Plan activities	See 4C		
C. Implement activities	See 3B		
D. Develop record system	N/A		
E. Time to enter information			
Records of operating parameters - average facilities ^f	89.5	1	89.5
Records of operating parameters - small facilities ^f	95.2	1	95.2
F. Train personnel	N/A		
G. Audits	N/A		
Subtotal for Recordkeeping Requirements			
TOTAL LABOR BURDEN AND COST (rounded) ^g			
TOTAL CAPITAL AND O&M COST (rounded) ^g			
GRAND TOTAL (rounded) ^g			

Assumptions:

^a Assume there will be an average of 0 new, modified, or reconstructed facilities each year and an average less than the HON and MON, no sources are assumed to be complying with the HON or MON instead of Subpart VVa.

^b This ICR uses the following labor rates: Managerial \$163.17 (\$77.70 + 110%); Technical \$130.28 (\$62.00 + 110%). Source: U.S. Department of Labor, Bureau of Labor Statistics, September 2022, “Table 2. Civilian Workers, by occupation and compensation.” The rates have been increased by 110 percent to account for varying industry wage rates and benefits, including business expenses associated with hiring, training, and equipping their employees.

^c This ICR assumes all existing respondents will have to familiarize with the regulatory requirements each year.

^d Assume 20 percent of initial performance tests must be repeated due to failure.

^e Estimate 3 new sources will be new due to construction while 2 new sources will be new due to reconstruction.

- ^f Assume 10 percent are small facilities that will record instrument readings manually while the other 90 percent are large facilities that will record instrument readings electronically.
- ^g Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

	\$130.28	\$163.17	\$65.71	
(D)	(E)	(F)	(G)	(H)
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 cost per year (\$) ^b
75	75	3.8	7.5	\$10,875.71
0	0	0	0	\$0.00
0	0	0	0	\$0.00
0	0	0	0	\$0.00
0	0	0	0	\$0.00
0	0	0	0.0	\$0.00
0	0	0	0	\$0.00
75	675	34	68	\$97,881.41
		863		\$108,757
67	5,997	300	600	\$869,549.47
8	714.0	36	71	\$103,536.78
		7,717		\$973,086
		8,580		\$1,080,000
				\$0
				\$1,080,000

of 75 existing facilities over the next 3 years. Since Subpart VVa is more stringent than VVa.

4 + 110%); and Clerical \$65.71 (\$31.29 + 110%). These rates are from the United States Occupational and Industry group." The rates are from column 1, "Total Compensation and Benefits," and include the additional overhead business costs of employing workers beyond their wages

year.

action or modification.

ercent use automated equipment to capture instrument readings electronically.

Table G-5: Annual Respondent Burden and Cost for Subpart DDD

Burden item	(A)	(B)	(C)
	Person-hours per occurrence	No. of occurrences per respondent per year	Person-hours per respondent per year (C=AxB)
1. Applications	N/A		
2. Survey and Studies	N/A		
3. Reporting requirements			
A. Familiarize with regulatory requirements ^c	1	1	1
B. Required activities			
Initial performance test report	360	1	360
Repeat performance test report ^d	360	1	360
C. Write report			
Notification of construction/modification	2	1	2
Notification of actual startup	1	1	1
Notification of initial/repeat performance test	2	1	2
Semiannual report	3	2	6
Subtotal for Reporting Requirements			
4. Recordkeeping requirements			
Records of operating parameters for control devices	1	12	12
Records of operating conditions exceeding last performance test	1	8	8
Records of startup, shutdown, malfunction, etc.	0.25	5	1.25
Subtotal for Recordkeeping Requirements			
TOTAL LABOR BURDEN AND COST (rounded) ^e			
TOTAL CAPITAL AND O&M COST (rounded) ^e			
GRAND TOTAL (rounded) ^e			

Assumptions:

^a Assume 5 new affected sources per year and an average of 88 existing affected sources over the next three years, for an average of 93 affected sources per year.

^b This ICR uses the following labor rates: Managerial \$163.17 (\$77.70 + 110%); Technical \$130.28 (\$62.04 + 110%); and Department of Labor, Bureau of Labor Statistics, September 2022, “Table 2. Civilian Workers, by occupational and industry,” which shows that the average hourly wage for all civilian workers increased by 110 percent to account for varying industry wage rates and the additional overhead business costs of employing workers, including hiring, training, and equipping their employees.

^c This ICR assumes all existing respondents will have to familiarize with the regulatory requirements each year.

^d Assume 20 percent of initial performance tests must be repeated due to failure.

^e Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

\$130.28 \$163.17 \$65.71

(D)	(E)	(F)	(G)	(H)
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 cost per year (\$) ^b
93	93	4.7	9.3	\$13,485.88
5	1,800	90	180	\$261,017.10
1	360	18	36	\$52,203.42
5	10	0.5	1	\$1,450.10
5	5	0.3	0.5	\$725.05
6	12	0.6	1.2	\$1,740.11
88	528	26	53	\$76,565.02
		3,229		\$407,187
5	60	3	6	\$8,700.57
88	704	35	70	\$102,086.69
88	110	5.5	11.0	\$15,951.05
		1,005		\$126,738
		4,230		\$534,000
				\$801,000
				\$1,340,000

overall total of 93 sources.

| Clerical \$65.71 (\$31.29 + 110%). These rates are from the United States try group.” The rates are from column 1, “Total compensation.” The rates have been ng workers beyond their wages and benefits, including business expenses associated

Table G-6: Annual Respondent Burden and Cost for Subpart III

Burden item	(A)	(B)	(C)
	Person-hours per occurrence	No. of occurrences per respondent per year	Person-hours per respondent per year (C=AxB)
1. Applications	N/A		
2. Survey and Studies	N/A		
3. Reporting requirements			
A. Familiarize with regulatory requirements ^c	1	1	1
B. Required activities			
Initial performance test report	60	1	60
Repeat performance test report ^d	60	1	60
C. Write report			
Notification of construction/modification	2	1	2
Notification of actual startup	1	1	1
Notification of initial/repeat performance test	2	1	2
Semiannual report	3	2	6
Subtotal for Reporting Requirements			
4. Recordkeeping requirements			
Records of operating parameters for control devices	1	12	12
Records of operating conditions exceeding last performance test	1	8	8
Records of startup, shutdown, malfunction, etc.	0.25	5	1.25
Subtotal for Recordkeeping Requirements			
TOTAL LABOR BURDEN AND COST (rounded) ^e			
TOTAL CAPITAL AND O&M COST (rounded) ^e			
GRAND TOTAL (rounded) ^e			

Assumptions:

^a Assume no new affected sources per year and an average of 40 existing affected sources over the next ten years which are assumed to be complying with the HON.

^b This ICR uses the following labor rates: Managerial \$163.17 (\$77.70 + 110%); Technical \$130.28 (\$62.00 + 110%). Source: U.S. States Department of Labor, Bureau of Labor Statistics, September 2022, “Table 2. Civilian Workers, by compensation.” The rates have been increased by 110 percent to account for varying industry wage rates and benefits, including business expenses associated with hiring, training, and equipping their employees.

^c This ICR assumes all existing respondents will have to familiarize with the regulatory requirements each year.

^d Assume 20 percent of initial performance tests must be repeated due to failure.

^e Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

	\$130.28	\$163.17	\$65.71	
(D)	(E)	(F)	(G)	(H)
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 cost per year (\$) ^b
40	40	2	4	\$5,800.38
0	0	0	0	\$0.00
0	0	0	0	\$0.00
0	0	0	0	\$0.00
0	0	0	0	\$0.00
0	0	0.0	0.0	\$0.00
40	240	12	24	\$34,802.28
		322		\$40,603
1	12	0.6	1.2	\$1,740.11
40	320	16	32	\$46,403.04
40	50	2.5	5.0	\$7,250.48
		439		\$55,394
		761		\$96,000
				\$54,000
				\$150,000

ree years. This does not include sources subject to both Subpart III and the HON,

04 + 110%); and Clerical \$65.71 (\$31.29 + 110%). These rates are from the United occupational and industry group.” The rates are from column 1, “Total and the additional overhead business costs of employing workers beyond their wages

1 year.

Table G-7: Annual Respondent Burden and Cost for Subpart NNN

Burden item	(A)	(B)	(C)
	Person-hours per occurrence	No. of occurrences per respondent per year	Person-hours per respondent per year (C=AxB)
1. Applications	N/A		
2. Survey and Studies	N/A		
3. Reporting requirements			
A. Familiarize with regulatory requirements ^c	1	1	1
B. Required activities			
Initial performance test report	60	1	60
Repeat performance test report ^d	60	1	60
C. Write report			
Notification of construction/modification	2	1	2
Notification of actual startup	1	1	1
Notification of initial/repeat performance test	2	1	2
Semiannual report	3	2	6
Subtotal for Reporting Requirements			
4. Recordkeeping requirements			
Records of operating parameters for control devices	1	12	12
Records of operating conditions exceeding last performance test	1	8	8
Records of startup, shutdown, malfunction, etc.	0.25	5	1.25
Subtotal for Recordkeeping Requirements			
TOTAL LABOR BURDEN AND COST (rounded) ^e			
TOTAL CAPITAL AND O&M COST (rounded) ^e			
GRAND TOTAL (rounded) ^e			

Assumptions:

^a Assume no new affected sources per year subject to subpart NNN and not the HON, and 136 existing affected sources of Subpart NNN and the HON, which are assumed to be complying with the HON.

^b This ICR uses the following labor rates: Managerial \$163.17 (\$77.70 + 110%); Technical \$130.28 (\$62.04 + 110%); and Department of Labor, Bureau of Labor Statistics, September 2022, “Table 2. Civilian Workers, by occupational and industry increased by 110 percent to account for varying industry wage rates and the additional overhead business costs of employi with hiring, training, and equipping their employees.

^c This ICR assumes all existing respondents will have to familiarize with the regulatory requirements each year.

^d Assume 20 percent of initial performance tests must be repeated due to failure.

^e Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

\$130.28 \$163.17 \$65.71

(D)	(E)	(F)	(G)	(H)
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 cost per year (\$) ^b
136	136	6.8	14	\$19,721.29
0	0	0	0	\$0.00
0	0	0	0	\$0.00
0	0	0	0	\$0.00
0	0	0	0	\$0.00
0	0	0.0	0.0	\$0.00
136	816	41	82	\$118,327.75
		1,095		\$138,049
0	0	0	0	\$0.00
136	1,088	54	109	\$157,770.34
136	170	8.5	17	\$24,651.62
		1,447		\$182,422
		2,540		\$320,000
				\$184,000
				\$504,000

ver the next three years. These estimates do not include sources subject to both

| Clerical \$65.71 (\$31.29 + 110%). These rates are from the United States try group.” The rates are from column 1, “Total compensation.” The rates have been ng workers beyond their wages and benefits, including business expenses associated

Table G-8: Annual Respondent Burden and Cost for Subpart RRR

Burden item	(A)	(B)	(C)
	Person-hours per occurrence	No. of occurrences per respondent per year	Person-hours per respondent per year (C=AxB)
1. Applications	N/A		
2. Survey and Studies	N/A		
3. Reporting requirements			
A. Familiarize with regulatory requirements ^c	1	1	1
B. Required activities			
Initial performance test report	60	1	60
Repeat performance test report ^d	60	1	60
C. Write report			
Notification of construction/modification	2	1	2
Notification of actual startup	1	1	1
Notification of initial/repeat performance test	2	1	2
Semiannual report	3	2	6
Subtotal for Reporting Requirements			
4. Recordkeeping requirements			
Records of operating parameters for control devices	1	12	12
Records of operating conditions exceeding last performance test	1	8	8
Records of startup, shutdown, malfunction, etc.	0.25	5	1.25
Subtotal for Recordkeeping Requirements			
TOTAL LABOR BURDEN AND COST (rounded) ^e			
TOTAL CAPITAL AND O&M COST (rounded) ^e			
GRAND TOTAL (rounded) ^e			

Assumptions:

^a Assume no new affected sources per year subject to subpart RRR and not the HON, and 74 existing affected sources over Subpart RRR and the HON, which are assumed to be complying with the HON.

^b This ICR uses the following labor rates: Managerial \$163.17 (\$77.70 + 110%); Technical \$130.28 (\$62.04 + 110%); and Department of Labor, Bureau of Labor Statistics, September 2022, “Table 2. Civilian Workers, by occupational and industry increased by 110 percent to account for varying industry wage rates and the additional overhead business costs of employment with hiring, training, and equipping their employees.

^c This ICR assumes all existing respondents will have to familiarize with the regulatory requirements each year.

^d Assume 20 percent of initial performance tests must be repeated due to failure.

^e Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

\$130.28 \$163.17 \$65.71

(D)	(E)	(F)	(G)	(H)
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 cost per year (\$) ^b
74	74	3.7	7.4	\$10,730.70
0	0	0	0	\$0.00
0	0	0	0	\$0.00
0	0	0	0	\$0.00
0	0	0	0	\$0.00
0	0	0	0	\$0.00
74	444	22	44	\$64,384.22
		596		\$75,115
0	0	0	0	\$0.00
74	592	30	59	\$85,845.62
74	92.5	5	9	\$13,413.38
		787		\$99,259
		1,380		\$174,000
				\$37,000
				\$211,000

er the next three years. These estimates do not include sources subject to both

l Clerical \$65.71 (\$31.29 + 110%). These rates are from the United States try group.” The rates are from column 1, “Total compensation.” The rates have been ng workers beyond their wages and benefits, including business expenses associated

Table G-9: Annual Respondent Burden and Cost for Subpart BB

Burden item	(A)	(B)	(C)
	Person-hours per occurrence	No. of occurrences per respondent per year	Person-hours per respondent per year (C=AxB)
1. Applications	N/A		
2. Survey and Studies	N/A		
3. Reporting requirements			
A. Familiarize with regulatory requirements ^c	1	1	1
B. Required activities			
Initial emission test	20	1	20
Monitoring performance test	280	1	280
Vapor-tightness test tank truck and railcars	11	1	11
Marine vessels	80	1	80
Closed vent leak inspection	8	1	8
C. Create information	See 3B		
D. Gather existing information	See 3E		
E. Write report			
Notification of construction	2	1	2
Notification of anticipated startup	2	1	2
Notification of actual startup	2	1	2
Notification of emission test	2	1	2
Report of emission test	8	1	8
Notification of performance test	2	1	2
Report of performance test	8	1	8
Report facilities below cut-off ^d	8	1	8
Quarterly parameter excesses	4	4	16
Subtotal for Reporting Requirements			
4. Recordkeeping requirements			
A. Familiarize with regulatory requirements	See 3A		
B. Plan activities	See 4C		
C. Implement activities	See 3B		
D. Develop record system	N/A		
E. Time to enter information			
Facilities above cut-off	1.5	52	78
Facilities below cut-off ^d	0.5	52	26
F. Train personnel	N/A		
Subtotal for Recordkeeping Requirements			
TOTAL LABOR BURDEN AND COST (rounded) ^e			
TOTAL CAPITAL AND O&M COST (rounded) ^e			
GRAND TOTAL (rounded) ^e			

Assumptions:

^a We estimate an average of 54 existing facilities will be subject to the standard, and that no new sources will become subvessels are subject to the standards. We assume 50 percent of marine vessels (66) operate at negative pressure and do not to subpart BB are complying with the HON.

^b This ICR uses the following labor rates: Managerial \$163.17 (\$77.70 + 110%); Technical \$130.28 (\$62.04 + 110%); and Department of Labor, Bureau of Labor Statistics, September 2022, "Table 2. Civilian Workers, by occupational and industry increased by 110 percent to account for varying industry wage rates and the additional overhead business costs of employment with hiring, training, and equipping their employees.

^c This ICR assumes all existing respondents will have to familiarize with the regulatory requirements each year.

^d For sources below the low quantity applicability for control requirements, a report is only required the first year of operation.

^e Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

\$130.28 \$163.17 \$65.71

(D)	(E)	(F)	(G)	(H)
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 cost per year (\$) ^b
54	54	2.7	5.4	\$7,831
0	0	0	0	\$0
0	0	0	0	\$0
3	33	1.65	3.3	\$4,785.31
66	5,280	264	528	\$765,650.16
54	432	21.6	43.2	\$62,644.10
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
0	0	0	0	\$0
54	864	43.2	86.4	\$125,288.21
	7,662			\$966,198
54	4,212	210.6	421.2	\$610,780.01
0	0	0	0	\$0
	4,844			\$610,780
	12,500			\$1,580,000
				\$0
				\$1,580,000

ject over the next three years. We estimate 3 tank truck/railcars and 131 marine
conduct annual vapor-tightness tests. We also assume all other transfer racks subject

l Clerical \$65.71 ($\$31.29 + 110\%$). These rates are from the United States
try group.” The rates are from column 1, “Total compensation.” The rates have been
ng workers beyond their wages and benefits, including business expenses associated

tion. We assume existing sources previously have submitted this report.

Table G-10: Annual Respondent Burden and Cost for Subpart Y

Burden item	(A)	(B)
	Person-hours per occurrence	No. of occurrences per respondent per year
1. Applications	N/A	
2. Survey and Studies	N/A	
3. Reporting requirements		
A. Familiarize with regulatory requirements ^c	1	1
B. Required activities		
Initial performance test	N/A	
C. Create information		
Annual IFR internal inspections and EFR seal gap measurements	8	1
D. Gather existing information	See 3C	
E. Write report		
Notification of construction/ reconstruction	See NSPS Kb	
Notification of anticipated startup	See NSPS Kb	
Notification of actual startup	See NSPS Kb	
Notification of emission test	N/A	
Report of emission test	N/A	
Notification of control installation and refill at 1st IFR degassing ^d	2	1
Annual inspection report	2	2
Supplemental delay report ^e	2	1
Quarterly emission report ^f	None expected	
Subtotal for Reporting Requirements		
4. Recordkeeping requirements		
A. Familiarize with regulatory requirements	See 3A	
B. Plan activities	See 4C	
C. Implement activities		
Filing and maintaining records	2	1
D. Develop record system	See 4C	
E. Time to enter information	See 4C	
F. Train personnel	N/A	
G. Audits	N/A	
Subtotal for Recordkeeping Requirements		
TOTAL LABOR BURDEN AND COST (rounded) ^g		
TOTAL CAPITAL AND O&M COST (rounded) ^g		
GRAND TOTAL (rounded) ^g		

Assumptions:

^a Estimate there will be 4 existing sources not covered by the HON. The burden for all new sources is include

^b This ICR uses the following labor rates: Managerial \$163.17 (\$77.70 + 110%); Technical \$130.28 (\$62.04 + Labor, Bureau of Labor Statistics, September 2022, “Table 2. Civilian Workers, by occupational and industry ; percent to account for varying industry wage rates and the additional overhead business costs of employing wc and equipping their employees.

^c This ICR assumes all existing respondents will have to familiarize with the regulatory requirements each year

- ^d We believe that all vessels have been degassed and that all controls have been installed, as they were to be in
- ^e Estimate two percent of existing sources will request delay of repair in the annual report.
- ^f Assume no sources will select the option to have a fixed roof vented to a control device, and thus have no qu
- ^g Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

installed within 10 years of promulgation.

Quarterly reports of excess emissions.

Table G-11: Annual Respondent Burden and Cost for Subpart V

Burden item	(A)	(B)
	Person-hours per occurrence	No. of occurrences per respondent per year
1. Applications	N/A	
2. Survey and Studies	N/A	
3. Reporting requirements		
A. Familiarize with regulatory requirements ^c	1	1
B. Required activities		
Initial performance test	20	1
Reference method 21/22 test	4	1
Repeat performance test ^d	20	1
C. Create information	See 3B	
D. Gather existing information	See 3B	
E. Write report		
Notification of construction/reconstruction	2	1
Notification of anticipated startup	2	1
Notification of actual startup	2	1
Notification of initial/repeat performance test ^d	2	1
Report of performance test	See 3B	
Application for alternative	10	1
Initial report	8	1
Semiannual report	30	2
Subtotal for Reporting Requirements		
4. Recordkeeping requirements		
A. Familiarize with regulatory requirements	See 3A	
B. Plan activities	See 4C	
C. Implement activities	See 3B	
D. Develop record system	N/A	
E. Time to enter information		
Record of startup, shutdown, malfunction, etc. ^e	1.5	1
Record of operation, parameters, and emissions	0.1	365
Record of leaks detected	0.4	52
F. Train personnel	N/A	
G. Audits	N/A	
Subtotal for Recordkeeping Requirements		
TOTAL LABOR BURDEN AND COST (rounded) ^e		
TOTAL CAPITAL AND O&M COST (rounded) ^e		
GRAND TOTAL (rounded) ^e		

Assumptions:

^a Assume 0 new sources per year and 67 existing sources subject to subpart V, but not the HON.

^b This ICR uses the following labor rates: Managerial \$163.17 (\$77.70 + 110%); Technical \$130.28 (\$62.04 of Labor, Bureau of Labor Statistics, September 2022, “Table 2. Civilian Workers, by occupational and indu 110 percent to account for varying industry wage rates and the additional overhead business costs of employ training, and equipping their employees.

- ° This ICR assumes all existing respondents will have to familiarize with the regulatory requirements each y
- ° Assume 20 percent of initial performance tests must be repeated due to failure.
- ° Assume 3% of sources experience a startup, shutdown, or malfunction per year.
- ° Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

\$130.28 \$163.17 \$65.71

(C)	(D)	(E)	(F)	(G)	(H)
Person-hours per respondent per year (C=AxB)	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 cost per year (\$) ^b
1	67	67	3.4	6.7	\$9,715.64
20	0	0	0	0	\$0
4	0	0	0	0	\$0
20	0	0	0	0	\$0
2	0	0	0	0	\$0
2	0	0	0	0	\$0
2	0	0	0	0	\$0
2	0	0	0.0	0.0	\$0
10	0	0	0	0	\$0
8	0	0	0	0	\$0
60	67	4,020	201	402	\$582,938.19
			4,700		\$592,654
1.5	2	3	0.2	0.3	\$435.03
36.5	67	2,446	122	245	\$354,620.73
20.8	67	1,394	70	139	\$202,085.24
			4,418		\$557,141
			9,120		\$1,150,000
					\$0
					\$1,150,000

+ 110%); and Clerical \$65.71 (\$31.29 + 110%). These rates are from the United States Department of Labor, "Total compensation." The rates have been increased by 110% for hiring workers beyond their wages and benefits, including business expenses associated with hiring,

ear.

Table G-12: Annual Respondent Burden and Cost for New Sources Subject to the HON

Burden item	(A)	(B)	(C)	(D)	\$130.28 (E)	\$163.17 (F)	\$65.71 (G)	(H)
	Average hours per activity ^a	Number of activities per year per respondent	Technical hours per year per respondent	Estimated number of New Respondents ^b	Estimated technical hours per year (E=CxD)	Estimated managerial hours per year (F=Ex0.05)	Estimated clerical hours per year (G=Ex0.1)	Total cost per year (\$) ^c
1. Familiarize with regulatory requirements	2.69	93	250	0.67	167	8	17	\$24,168.25
2. Plan activities	3.82	93	355	0.67	237	12	24	\$34,318.92
3. Training	3.47	38	132	0.67	88	4	9	\$12,760.84
4. Creation, testing, research, and development	2.4	1,778	4,266	0.67	2,844	142	284	\$412,407.02
5. Gather information, monitor/inspect	1.4	2,102	2,943	0.67	1,962	98	196	\$284,508.64
6. Process/compile and review	0.8	50	40	0.67	26.67	1	3	\$3,866.92
7. Complete reports	11.37	49	557	0.67	371	19	37	\$53,846.86
8. Record/disclose	9.98	49	489	0.67	326	16	33	\$47,273.10
9. Store/file	5.18	51	264	0.67	176	9	18	\$25,521.67
TOTAL LABOR BURDEN AND COST (rounded) ^d					7,100			\$900,000
TOTAL CAPITAL AND O&M COST (rounded) ^d								See Table G-13
GRAND TOTAL (rounded) ^d								\$900,000

Assumptions:

^a Average hours per activity are back-calculated by dividing (C) by (B).

^b We assume the number of new respondents will be 0.67 per year, or 1 in the three-year period of this ICR.

^c This ICR uses the following labor rates: Managerial \$163.17 (\$77.70 + 110%); Technical \$130.28 (\$62.04 + 110%); and Clerical \$65.71 (\$31.29 + 110%). These rates are from the United States Department of Labor, Bureau of Labor Statistics, September 2022, "Table 2. Civilian Workers, by occupational and industry group." The rates are from column 1, "Total compensation." The rates have been increased by 110 percent to account for varying industry wage rates and the additional overhead business costs of employing workers beyond their wages and benefits, including business expenses associated with hiring, training, and equipping their employees.

^d Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding. See Attachment I for assumptions and further description of activities.

Table G-13: Annual Respondent Burden and Cost for Existing Sources Subject to the HON

Burden item	(A)	(B)	(C)	(D)	\$130.28 (E)	\$163.17 (F)	\$65.71 (G)	(H)
	Average hours per activity ^a	Number of activities per year per respondent ^a	Technical hours per year per respondent ^{a,b}	Technical hours per year per respondent for wastewater ^{a,c}	Estimated technical hours per year (E=Cx189+Dx21)	Estimated managerial hours per year (F=Ex0.05)	Estimated clerical hours per year (G=Ex0.1)	Total cost per year (\$) ^d
1. Familiarize with regulatory requirements	3.61	23	69	14	13,356	668	1,336	\$1,936,771.05
2. Plan activities	6.08	13	61	18	11,926	596	1,193	\$1,729,368.80
3. Training	5.25	4	17	4	3,302	165	330	\$478,855.20
4. Creation, testing, research, and development	17.85	99	1,617	150	309,253	15,463	30,925	\$44,844,637.40
5. Gather information, monitor/inspect	2.5	677	1,693	0	320,485	16,024	32,048	\$46,473,355.11
6. Process/compile and review	20	1	20	0	3,786	189	379	\$549,005.97
7. Complete reports	81.2	5	388	18	73,827	3,691	7,383	\$10,705,616.36
8. Record/disclose	17.46	26	442	12	83,923	4,196	8,392	\$12,169,632.27
9. Store/file	6.77	35	222	15	42,340	2,117	4,234	\$6,139,716.73
TOTAL LABOR BURDEN AND COST (rounded) ^e						992,000		\$125,000,000
TOTAL CAPITAL AND O&M COST (rounded) ^e								\$58,000,000
GRAND TOTAL (rounded) ^e								\$183,000,000

Assumptions:

^a Average Hours per Activity (A) is back-calculated: (A) = ((C) + (D))/(B).

^b There are 189 existing sources out of the 210 total that will continue to comply with the HON.

^c The 21 facilities complying with the CAR will still be required to comply with HON requirements for wastewater.

^d This ICR uses the following labor rates: Managerial \$163.17 (\$77.70 + 110%); Technical \$130.28 (\$62.04 + 110%); and Clerical \$65.71 (\$31.29 + 110%). These rates are from the United States Department of Labor, Bureau of Labor Statistics, September 2022, "Table 2. Civilian Workers, by occupational and industry group." The rates are from column 1, "Total compensation." The rates have been increased by 110 percent to account for varying industry wage rates and the additional overhead business costs of employing workers beyond their wages and benefits, including business expenses associated with hiring, training, and equipping their employees.

^e Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

See Attachment I for assumptions and further description of activities.

Capital and O&M Costs for Referencing Subparts

(A)	(B)	(C)	(D)	(E)	(F)	(G)
Subpart	Capital/ Startup Cost for One Respondent	Number of New Respondents with Capital/ Startup Costs	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)
NSPS Ka	\$0	0	\$0	\$0	10	\$0
Subtotal						\$0
NSPS Kb ^a	\$13,500	0	\$0	\$1,350	218	\$293,659
Subtotal						\$294,000
NSPS VV	\$0	0	\$0	\$0	170	\$0
Subtotal						\$0
NSPS VVa	\$1,400	0	\$0	\$0	75	\$0
Subtotal						\$0
NSPS DDD	\$30,000	5	\$150,000	\$7,000	93	\$651,000
Subtotal						\$801,000
NSPS III	\$13,500	0	\$0	\$1,350	40	\$54,000
Subtotal						\$54,000
NSPS NNN	\$13,500	0	\$0	\$1,350	136	\$183,600
Subtotal						\$184,000
NSPS RRR	\$25,000	0	\$0	\$500	74	\$37,000
Subtotal						\$37,000
NESHAP BB	\$0	0	\$0	\$0	54	\$0
Subtotal						\$0
NESHAP Y	\$0	0	\$0	\$0	4	\$0
Subtotal						\$0
NESHAP V	\$0	0	\$0	\$0	67	\$0
Subtotal						\$0
NESHAP F	\$0	0	\$0	\$0	0	\$0
Subtotal						\$0
NESHAP G	\$25,000	0.67	\$16,667	\$275,000	211	\$58,025,000
Subtotal						\$58,000,000
NESHAP H ^b	\$1,400	0.67	\$7,000	\$0	0	\$0
Subtotal						\$7,000
NESHAP I	\$0	0	\$0	\$0	0	\$0
Subtotal						\$0
CAR	\$0	0	\$0	\$275,000	21	\$5,784,167
Subtotal						\$5,780,000
CAR Revisions	\$0	0	\$0	\$0	6	\$0
Subtotal						\$0
Total for CAR and Referencing Subparts (rounded) ^c						\$65,200,000

- ^a We assume that 5% of new respondents use a CVS as control, and that 5% of all existing storage tanks use a CVS as control. (385 existing respondents x 11.3 tanks per respondent x 5% tanks with CVS = 218, rounded)
- ^b We assume there will be one new respondent over the three-year period of this ICR (average of 0.67 new respondents per year) and that the new respondent will perform LDAR services in-house and will purchase 5 units to support the program. The total annual capital/startup cost is 5 units x \$1,400 = \$7,000.
- ^c Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

Labor Rates

Private		
Technical	Managerial	Clerical
\$130.28	\$163.17	\$65.71

^b This ICR uses the following labor rates: Managerial \$163.17 (\$77.70 + 110%); Technical \$130.28 (\$62.04 + 110%); and Clerical \$65.71 (\$31.29 + 110%). These rates are from the United States Department of Labor, Bureau of Labor Statistics, September 2022, "Table 2. Civilian Workers, by occupational and industry group." The rates are from column 1, "Total compensation." The rates have been increased by 110 percent to account for varying industry wage rates and the additional overhead business costs of employing workers beyond their wages and benefits, including business expenses associated with hiring, training, and equipping their employees.

Agency		
Technical	Managerial	Clerical
\$54.51	\$73.46	\$29.50

^b This cost is based on the average hourly labor rate as follows: Managerial \$73.46 (GS-13, Step 5, \$45.91 + 60%); Technical \$54.51 (GS-12, Step 1, \$34.07 + 60%); and Clerical \$29.50 (GS-6, Step 3, \$18.44 + 60%). This ICR assumes that Managerial hours are 5 percent of Technical hours, and Clerical hours are 10 percent of Technical hours. These rates are from the Office of Personnel Management (OPM), 2023 General Schedule, which excludes locality, rates of pay. The rates have been increased by 60 percent to account for the benefit packages available to government employees.