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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	19	394	0	0	413
2	19	413	0	0	432
3	19	432	0	0	451
Average	19	413	0	0	432
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	5	60	0	0	65
2	5	65	0	0	70
3	5	70	0	0	75
Average	5	65	0	0	70
NSPS DDD					
1	5	68	0	0	73
2	5	73	0	0	78
3	5	78	0	0	83
Average	5	73	0	0	78
NSPS III					
1	1	37	0	0	38
2	1	38	0	0	39
3	1	39	0	0	40
Average	1	38	0	0	39
NSPS NNN					
1	9	109	0	0	118
2	9	118	0	0	127
3	9	127	0	0	136

OAQPS identified 10 re

OAQPS identified 432 r

OAQPS identified 170 r

OAQPS identified 60 re

ECHO lists 68 facilities

OAQPS identified 37 re

OAQPS identified 109 r

Average	9	118	0	0	127
NSPS RRR					
1	5	59	0	0	64
2	5	64	0	0	69
3	5	69	0	0	74
Average	5	64	0	0	69
NESHAP BB					
1	0	54	0	0	54
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
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
2	0	67	0	0	67
3	0	67	0	0	67
Average	0	67	0	0	67
HON					
1	5	175	0	0	180
2	5	180	0	0	185
3	5	185	0	0	190
Average	5	180	0	0	185

OAQPS identified 59 re

No updates, retained pri

No updates, retained pri

No updates, retained pri

OAQPS identified ~175

respondents for this subpart that are SOCFI sources.

respondents for this subpart, adjusted new respondents to 19 to maintain 4.8% growth rate.

respondents for this subpart that are SOCFI sources.

respondents for this subpart that are SOCFI sources; retained 5 sources per year (maintains prior growth rate).

; retained 5 sources per year (maintains prior growth rate)

respondents for this subpart that are SOCFI sources; retained 1 new source per year.

respondents for this subpart that are SOCFI sources; retained 9 new source per year (maintains prior growth rate).

respondents for this subpart that are SOCFI sources; retained 5 new source per year (maintains prior growth rate).

or estimate.

or estimate.

or estimate, but assumed no new sources.

respondents; retained 5 new sources per year. We assume only 25% of these 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

\$49.44

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	181	1,810
3. Review periodic reports ^d	4	1	4	45	180
TOTAL (rounded) ^e					

Assumptions:

^a This ICR uses the following labor rates: \$66.62 for managerial, \$49.44 for technical, and \$26.75 for clerical labor. The Management (OPM), 2019 General Schedule, which excludes locality rates of pay. The rates have been increased by 60 percent 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 181 equipment leak sources will comply with the CAR (139 from the HON, 23 from subpart VV and 19 from equipment leaks will be submitted semiannually (181 x 2 = 362 per year). See Attachment C for assumptions and further details.

^d We estimate 25 percent of the 180 SOCFI facilities, which equals 45 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.

\$66.62 \$26.75

(F)	(G)	(H)
Management hours per year (F=Ex0.05)	Clerical hours per year (G=Ex0.1)	Total cost per year (\$) ^a
0	0	
90.5	181	\$100,357.26
9	18	\$9,980.28
2,290		\$110,000

se rates are from the Office of Personnel
rcent to account for the benefit packages

n subpart V - see Table 4). Reports for
escription 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 ICR uses the following labor rates: \$66.62 for managerial, \$49.44 for technical, and \$26.75 for clerical labor Management (OPM), 2019 General Schedule, which excludes locality rates of pay. The rates have been increased available to government employees.

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

(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	\$332.68
7			\$333

por. These rates are from the Office of Personnel
 l by 60 percent to account for the benefit packages

Referencing subpart	Estimated number of sources complying with the CAR ^{a, b}
Storage Vessels	
Ka	26
Kb	206
Y	0
Transfer Racks	
BB	0
Equipment Leaks	
V	19
VV	23
VVa	0
Process Vents	
III	2
NNN	4
RRR	2
DDD	3
HON F & G - Storage Vessels	463
HON F & G - Transfer Racks	185
HON H & I -- Equipment Leaks	139
HON F & G - Process Vents	370

Note to EPA:
The number of affected s
facilities under each subp
To do so, we backcalcula
of whether 5% or 25% of
For e.g., for subpart Ka, '
Then we applied 53 tank
For subparts BB, V, and

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, SOCFI facilities, the number of facilities opting to comply with the CAR is based on the estimated number facilities. It is estimated that 25 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 25 percent of HON sources will opt to comply with the CAR.

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 of affected sources complied with CAR.

we took 458 tanks/5%/174 respondents to estimate 53 tanks per facility.

s x 10 facilities (revised inventory) x 5% complying with CAR = 26 affected sources.

HON sources, we divided by 25% to match the assumptions in Attachment I.

described in
through F-

; although
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CAR if the
For those
complying
sources will

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	1,105	1.1	765
2. Plan activities	2.1	800	1.7	1,182	0.85
3. Training	1.3	495	0.5	348	0.5
4. Creation, testing, research and development	28	10,668	16	11,120	16
5. Gather information, monitor/ inspect	14	5,334	17	11,815	17
6. Process/compile and review	0	0	0	0	0
7. Complete forms	9	3,429	5.4	3,753	5.4
8. Record/disclose	28	10,668	2.8	1,946	2.8
9. Store/file	3	1,143	1.25	869	1.25
TOTAL	88	33,642	46	31,796	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 - 381
- storage vessels - 695
- transfer racks - 185
- equipment leaks with connector monitoring - 139
- equipment leaks without connector monitoring - 42
- facilities (used for inventory estimate) - 45

^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	
204	2.5	348	1	42	1.8	81.0	2,543
157	0.57	79	0.23	9.7	4.5	203	2,430
93	0	0	0	0	0	0	935
2,960	380	52,820	155	6,510	0	0	84,078
3,145	263	36,557	108	4,536	54	2,430	63,817
0	0	0	0	0	18	810	810
999	57	7,923	23	966	5.4	243	17,313
518	4.7	653	1.9	79.8	9	405	14,270
231	2.75	382	0.9	37.8	1.58	71.1	2,734
8,307	711	98,762	290	12,181	94	4,243	188,931

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

\$120.27

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	2.46	23	56.5	2,543
2. Plan activities	4.2	13	54.0	2,430
3. Training	5.20	4	20.8	935
4. Creation, testing, research, and development	18.9	99	1,868	84,078
5. Gather information, monitor/inspect	2.1	677	1,418	63,817
6. Process/compile and review	18	1	18.0	810
7. Complete forms	76.9	5	385	17,313
8. Record/disclose	12.2	26	317	14,270
9. Store/file	1.74	35	60.8	2,734
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: \$120.27 for managerial, \$120.27 for technical, and \$58.67 for clerical labor. These rates are from the United States Department of Labor, Bureau of Economic Analysis, June 2019, "Table 2. Civilian Workers, by occupational and industry group." The rates are from column 1, "Total compensation," and have been increased by 110 percent to account for the benefit packages available to those employed by private industry.

^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.

\$141.06 \$58.67

(E)	(F)	(G)
Estimated managerial hours per year (E=Dx0.5)	Estimated clerical hours per year (F=Dx0.1)	Annual cost per year (\$)
127	254	\$338,755.45
122	243	\$323,683.67
46.8	93.5	\$124,572.61
4,204	8,408	\$11,198,348.82
3,191	6,382	\$8,499,786.23
40.5	81	\$107,883.90
866	1,731	\$2,305,918.47
714	1,427	\$1,900,634.62
137	273	\$364,161.44
217,000		\$25,200,000
		\$12,400,000
		\$37,600,000

ion to reflect the consolidation of activities

vided by 45 facilities.

l in Table 5.

rates for privately-owned sources: \$141.06
ent of Labor, Bureau of Labor Statistics,
mpensation.” The rates have been

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 for privately-owned sources: \$141.06 for managerial, \$120.27 for technician from the United States Department of Labor, Bureau of Labor Statistics, June 2019, “Table 2. Civilian Workers, by from column 1, “Total compensation.” The rates have been increased by 110 percent to account for the benefit package industry.

^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.

\$120.27 \$141.06 \$58.67

(E)	(F)	(G)	(H)
Technical hours per year (E=CxD)	Management hours per year (F=E\times0.05)	Clerical hours per year (G=E\times0.1)	Total cost per year (\$) ^a
3	0.15	0.3	\$399.57
3	0.15	0.3	\$399.57
7			\$799
0			\$0
7			\$799
			\$0
			\$799

al, and \$58.67 for clerical labor. These rates are occupational and industry group.” The rates are available to those employed by private

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	\$310,376
NSPS Kb	432	1,328	15,577	43,220	58,797	\$6,809,746
NSPS VV	170	340	1,760	15,640	17,400	\$2,015,165
NSPS VVa	70	152	1,121	6,681	7,803	\$903,668
NSPS DDD	78	168	3,108	846	3,954	\$457,941
NSPS III	39	80	396	418	814	\$94,285
NSPS NNN	127	276	1,761	1,379	3,141	\$363,755
NSPS RRR	69	150	966	750	1,716	\$198,719
NESHAP BB	54	216	7,662	4,844	12,506	\$1,448,441
NESHAP Y	4	8.08	60	9	69	\$7,847
NESHAP V	67	134	4,700	4,418	9,118	\$1,056,077
NESHAP F, G, H, and I	185	1,145	659,721	108,813	768,534	\$89,009,545
CAR ^d	45	225	197,716	19,555	217,271	\$25,163,745
CAR Revisions ^e	6	6	7	0	7	\$799
TOTAL ^f	1,356	4,239	895,000	209,000	1,100,000	\$128,000,000

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	\$323	\$0	\$0
596	\$28,739	\$316,366	\$13,500
782	\$37,703	\$0	\$0
419	\$20,182	\$0	\$1,400
414	\$19,961	\$546,000	\$150,000
193	\$9,293	\$52,650	\$13,500
685	\$33,046	\$171,450	\$121,500
373	\$17,965	\$34,500	\$125,000
497	\$23,953	\$0	\$0
9	\$444	\$0	\$0
308	\$14,860	\$0	\$0
2,777	\$133,902	\$50,050,000	\$59,800
2,289	\$110,338	\$12,375,000	\$0
7	\$333	\$0	\$0
9,400	\$450,000	\$63,500,000	\$485,000

hr/response

259

\$64,000,000

\$192,000,000

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	19	1	0	19
Notification of actual startup	19	1	0	19
Notification of IFR internal inspection	14	1	0	14
Notification of EFR gap measurement	3.8	1	0	3.8
IFR internal inspection report	14	1	0	14
EFR 1st seal gap measurement	3.8	1	0	3.8
EFR 2nd seal gap measurement	3.8	1	0	3.8
CVS operating plan report	1.0	1	0	1.0
Report of IFR failure	34.6	1	0	34.6
Notification of IFR delay of repair/emptying	3.5	1	0	3.5
EFR 1st seal gap measurement report	413	1	0	413
EFR 2nd seal gap measurement report	413	1	0	413
Notification of refill	385	1	0	385
			Subtotal	1,328
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	5	1	0	5
Repeat performance test report	1	1	0	1
Notification of construction	3	1	0	3
Notification of reconstruction/modification	2	1	0	2
Notification of actual startup	5	1	0	5
Notification of initial/repeat performance test	6	1	0	6
Semiannual report	65	2	0	130
			Subtotal	152
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	73	2	0	146
			Subtotal	168

NSPS III				
Initial performance test report	1	1	0	1
Repeat performance test report	0.2	1	0	0.2
Notification of construction/modification	1	1	0	1
Notification of actual startup	1	1	0	1
Notification of initial/repeat performance test	1.2	1	0	1.2
Semiannual report	38	2	0	76
			Subtotal	80.4
NSPS NNN				
Initial performance test report	9	1	0	9
Repeat performance test report	1.8	1	0	1.8
Notification of construction/modification	9	1	0	9
Notification of actual startup	9	1	0	9
Notification of initial/repeat performance test	10.8	1	0	10.8
Semiannual report	118	2	0	236
			Subtotal	276
NSPS RRR				
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	64	2	0	128
			Subtotal	150
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)	5	49	0	245
Complete reports (existing respondents; see Table G-13)	180	5	0	900
			Subtotal	1,145
CAR Provisions				
Complete forms (see Table 6)	45	5	0	225
			Subtotal	225
CAR Direct Final Standards				
Write report (see Table 7)	6	1	0	6
			Subtotal	6
	Total responses (all subparts)			4,239

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 ICR uses the following labor rates: \$66.62 for managerial, \$49.44 for technical, and \$26.75 for clerical labor. Management (OPM), 2019 General Schedule, which excludes locality rates of pay. The rates have been increased by 4 percent available to government employees.

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

^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. 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) (9 primary, 2 secondary) 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.

\$49.44 \$66.62 \$26.75

(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
5.5	0.28	0.55	\$304.95
0.33	0.02	0.03	\$18.30
6.7			\$320

subject to NSPS Subpart Kb. There are 10 existing

These rates are from the Office of Personnel
50 percent to account for the benefit packages

to NSPS Subpart Kb.

9) will use a floating roof system. Respondents
will perform a secondary seal gap measurement.
identification 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

\$49.44

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	19	38
Notification of anticipated startup	1	1	1	19	19
Notification of actual startup	1	1	1	19	19
Notification of initial inspection	1	1	1	19	19
Report review: New and Existing plants					
IFR failure report ^c	1	1	1	35	34.6
Notification of IFR delay of repair/emptying ^d	1.2	1	1.2	3.5	4.2
Notification of refill ^e	1	1	1	385	385
TOTAL (rounded) ^f					

Assumptions:

^a We estimate an average of 413 existing respondents with an average of 4,667 regulated vessels in service will be subject over estimate 75 percent (3,500) of vessels have an internal floating roof (IFR), 20 percent (933) have an external floating roof (EF vent system (CVS). We estimate 19 new respondents per year will become subject to subpart Kb, and assume a distribution similar therefore, 14 new respondents have an IFR, 4 have an ERF, and 1 has a CVS. These estimates do not include sources subject to which we assume will comply with the HON instead.

^b This ICR uses the following labor rates: \$66.62 for managerial, \$49.44 for technical, and \$26.75 for clerical labor. These Personnel Management (OPM), 2019 General Schedule, which excludes locality rates of pay. The rates have been increased to benefit packages available to government employees.

^c We estimate that 80% of existing and new respondents ((413+19) x 0.8 = 346) will choose visual inspections. We estimate 1 respondents choosing annual visual inspections, yielding 35 reports. (346 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 Assume all 3,500 existing IFR tanks will be serviced routinely through a shutdown, and degassed once every ten years. Once each year, for an annual average of 350 per year. This number was added to the estimated 35 visual inspection failures that we total estimate of 385 notifications of refill.

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

\$66.62 \$26.75

(F)	(G)	(H)
Management hours per year (F=Ex0.05)	Clerical hours per year (G=Ex0.1)	Total cost per year (\$) _b
1.9	3.8	\$2,106.95
0.95	1.9	\$1,053.47
0.95	1.9	\$1,053.47
0.95	1.9	\$1,053.47
1.73	3.46	\$1,918.43
0.21	0.4	\$230.21
19.2	38.5	\$21,323.28
600		\$28,700

er the next three years. We also
 R), and 5 percent (233) have a closed
 milar to that of existing respondents;
 o both subpart Kb and the HON,

rates are from the Office of
 oy 60 percent to account for the

10 percent failure rate for the 346

er tenth of these tanks will be degassed
 ould lead to internal inspections, for a

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 surveyed. This table does not include 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: \$66.62 for managerial, \$49.44 for technical, and \$26.75 for clerical labor (OPM), 2019 General Schedule, which excludes locality rates of pay. The rates have been increased by 60 percent for employees.

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

	\$49.44	\$66.62	\$26.75	
(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	\$37,703.28
	780			\$37,700

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

labor. These rates are from the Office of Personnel Management nt to account for the benefit packages available to government

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	3
Notification of reconstruction/ modification ^c	2	1	2	2
Notification of actual startup	0.5	1	0.5	5
Notification of initial/repeat test ^d	0.5	1	0.5	6
Review test results ^d	2	1	2	6
Report review: Existing plant				
Semiannual emission report	2.45	2	4.9	65
TOTAL (rounded) ^e				

Assumptions:

^a Assume there will be an average of 5 new, modified, or reconstructed facilities each year and an average of 65 existing facilities each year. If a source is more stringent than the HON and MON, no sources are assumed to be complying with the HON or MON instead of the more stringent standard.

^b This ICR uses the following labor rates: \$66.62 for managerial, \$49.44 for technical, and \$26.75 for clerical labor. Management (OPM), 2019 General Schedule, which excludes locality rates of pay. The rates have been increased by 6 percent to reflect the 2019 locality pay available to government employees.

^c Estimate 3 new sources will be new due to construction while 2 new sources will be new due to reconstruction or modification.

^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.

\$49.44

\$66.62

\$26.75

(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
24	1.2	2.4	\$1,330.70
4	0.2	0.4	\$221.78
2.5	0.13	0.25	\$138.62
3	0.15	0.3	\$166.34
12	0.6	1.2	\$665.35
319	15.9	31.9	\$17,659.55
420			\$20,000

ig facilities over the next 3 years. Since Subpart VVa Subpart VVa.

These rates are from the Office of Personnel 0 percent to account for the benefit packages

dification.

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	73
TOTAL (rounded) ^d				

Assumptions:

^a We assume 5 new affected sources per year and an average of 73 existing affected sources over the next three years.

^b This ICR uses the following labor rates: \$66.62 for managerial, \$49.44 for technical, and \$26.75 for clerical labor. Management (OPM), 2019 General Schedule, which excludes locality rates of pay. The rates have been increased by 6% 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.

\$49.44

\$66.62

\$26.75

(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	\$554.46
10	0.5	1	\$554.46
40	2	4	\$2,217.84
8	0.4	0.8	\$443.57
292	14.6	29.2	\$16,190.23
414			\$20,000

These rates are from the Office of Personnel
) percent to account for the benefit packages

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	1
Notification of anticipated startup	2	1	2	1
Notification of actual startup	2	1	2	1
Initial performance test	8	1	8	1
Repeat performance test ^c	8	1	8	0.2
Report review: Existing plant				
Semiannual report	2	2	4	38
TOTAL (rounded) ^d				

Assumptions:

^a Assume 1 new affected source per year and an average of 38 existing affected sources over the next three years. This includes the HON, which are assumed to be complying with the HON.

^b This ICR uses the following labor rates: \$66.62 for managerial, \$49.44 for technical, and \$26.75 for clerical labor. Management (OPM), 2019 General Schedule, which excludes locality rates of pay. The rates have been increased by 6 percent 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.

\$49.44

\$66.62

\$26.75

(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
2	0.1	0.2	\$110.89
2	0.1	0.2	\$110.89
2	0.1	0.2	\$110.89
8	0.4	0.8	\$443.57
1.6	0.1	0.2	\$88.71
152	7.6	15.2	\$8,427.79
193			\$9,290

s does not include sources subject to both subpart

These rates are from the Office of Personnel
50 percent to account for the benefit packages

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	9
Notification of actual startup	2	1	2	9
Initial performance test	8	1	8	9
Repeat performance test ^c	8	1	8	2
Report review: Existing plant				
Semiannual report	2	2	4	118
TOTAL (rounded) ^d				

Assumptions:

^a Assume 9 new affected sources per year subject to subpart NNN and not the HON. We assume 118 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 ICR uses the following labor rates: \$66.62 for managerial, \$49.44 for technical, and \$26.75 for clerical labor. The rates are based on the 2019 General Schedule, which excludes locality rates of pay. The rates have been increased by 60 percent 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.

\$49.44

\$66.62

\$26.75

(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
18	0.9	1.8	\$998.03
18	0.9	1.8	\$998.03
72	3.6	7.2	\$3,992.11
16	0.8	1.6	\$887.14
472	23.6	47.2	\$26,170.51
700			\$33,000

ources over the next three years subject to subpart
ssumed to be complying with the HON.

hese rates are from the Office of Personnel
percent to account for the benefit packages available

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

\$49.44

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	5	10
Notification of actual startup	2	1	2	5	10
Initial performance test	8	1	8	5	40
Repeat performance test ^c	8	1	8	1	8
Report review: Existing plant					
Semiannual report	2	2	4	64	256
TOTAL (rounded) ^d					

Assumptions:

^a Assume 5 new affected sources per year subject to subpart RRR and not the HON. Assume 64 existing affected sources over do not include sources subject to both Subpart RRR and the HON, which are assumed to be complying with the HON.

^b This ICR uses the following labor rates: \$66.62 for managerial, \$49.44 for technical, and \$26.75 for clerical labor. These rates are based on the Management (OPM), 2019 General Schedule, which excludes locality rates of pay. The rates have been increased by 60 percent 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.

\$66.62 \$26.75

(F)	(G)	(H)
Management hours per year (F=Ex0.05)	Clerical hours per year (G=Ex0.1)	Total cost per year (\$) _b
0.5	1	\$554.46
0.5	1	\$554.46
2	4	\$2,217.84
0.4	0.8	\$443.57
12.8	25.6	\$14,194.18
370		\$18,000

the next three years. These estimates

ates are from the Office of Personnel
 it to account for the benefit packages

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 H

^b This ICR uses the following labor rates: \$66.62 for managerial, \$49.44 for technical, and \$26.75 for clerical labor. Management (OPM), 2019 General Schedule, which excludes locality rates of pay. The rates have been increased by available to government employees.

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

\$49.44

\$66.62

\$26.75

(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	\$23,952.67
497			\$24,000

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

These rates are from the Office of Personnel
 60 percent to account for the benefit packages

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 ICR uses the following labor rates: \$66.62 for managerial, \$49.44 for technical, and \$26.75 for clerical labor. TI 2019 General Schedule, which excludes locality rates of pay. The rates have been increased by 60 percent to account for

^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.

\$49.44 \$66.62 \$26.75

(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	\$443.57
0	0	0	0	\$0
	9			\$444

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

These rates are from the Office of Personnel Management (OPM), the benefit packages available to government employees.

Within 10 years of promulgation.

Costs 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 ICR uses the following labor rates: \$66.62 for managerial, \$49.44 for technical, and \$26.75 for clerical labor. Management (OPM), 2019 General Schedule, which excludes locality rates of pay. The rates have been increased by 6 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.

\$49.44

\$66.62

\$26.75

(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	\$14,859.53
308			\$14,900

These rates are from the Office of Personnel
0 percent to account for the benefit packages

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

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	5	10	0.5	1
2. Implementation plan or permit	20	5	100	5	10
3. Compliance status	40	5	200	10	20
4. Review equipment leak monitoring ^b	7	135	945	47	95
5. Notification of construction/reconstruction	2	5	10	0.5	1
6. Notification of anticipated startup	2	5	10	0.5	1
7. Notification of actual startup	2	5	10	0.5	1
8. Notification of performance test	2	5	10	0.5	1
9. Review of test results	8	5	40	2	4
10. Review periodic reports ^c	4	270	1,080	54	108
TOTAL (rounded)			2,780		

Assumptions:

^a This ICR uses the following labor rates: \$66.62 for managerial, \$49.44 for technical, and \$26.75 for clerical labor. These rates are from the Office of Personnel Management (OPM), 2019 General Schedule, which excludes locality rates of pay. The rate increased by 60 percent to account for the benefit packages available to government employees.

^b There are 135 existing sources out of the 180 total that will continue to comply with the HON.

^c The 135 existing sources complying with the HON file semi-annual reports.

(F)
Total cost per year (\$) ^a
\$554.46
\$5,544.60
\$11,089.20
\$52,396.47
\$554.46
\$554.46
\$554.46
\$554.46
\$2,217.84
\$59,881.68
\$134,000

These rates are
as have been

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 for privately-owned sources: \$141.06 for managerial, \$120.27 for tech Department of Labor, Bureau of Labor Statistics, June 2019, “Table 2. Civilian Workers, by occupational and ir been increased by 110 percent to account for the benefit packages available to those employed by private indust

- ^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.

\$120.27 \$141.06 \$58.67

(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	\$1,331.90
0	0	0	0	\$0
9	9	0.45	0.9	\$1,198.71
0	0	0	0	\$0
0	0	0	0	\$0
11	16.5	0.8	1.7	\$2,197.64
0.33	0.8	0.04	0.1	\$109.88
		42		\$4,838
0	0	0	0	\$0
9	2,250	112.5	225	\$299,677.50
2	40	2	4	\$5,327.60
2	4	0.2	0.4	\$532.76
		2,638		\$305,538
		2,680		\$310,000
				\$0
				\$310,000

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

nical, and \$58.67 for clerical labor. These rates are from the United States industry group.” The rates are from column 1, “Total compensation.” The rates have ry.

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	432
B. Required activities				
One-time-only requirements				
Notification of construction	2	1	2	19
Notification of actual startup	2	1	2	19
Notification of physical/ operational changes ^d	N/A			
Notification of malfunction ^d	N/A			
Notification of initial inspection				
IFR internal inspection	2	1	2	14
EFR gap measurement	2	1	2	4
Initial inspection report				
IFR internal inspection report	12	1	12	14
EFR 1st seal gap measurement	12	1	12	4
EFR 2nd seal gap measurement	8	1	8	4
CVS operating plan report	8	1	8	1
Repeat requirements				
Internal IFR inspection ^e	12	1	12	83
Visual IFR inspection ^e	8	1	8	330
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	413
EFR 2nd seal gap measurement report	8	1	8	413
Notification of refill ^h	2	1	2	385
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	413
113b(a) inspection	12	1	12	413
113b(b) gap measurement	12	1	12	413
C. Develop record system	N/A			
D. Time to enter information				
CVS parameter records	2	52	104	234
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 estimate an average of 413 existing respondents with an average of 4,667 regulated vessels in service will be subject over vessels have an internal floating roof (IFR), 20 percent (933) have an external floating roof (EFR), and 5 percent (233) have a year will become subject to subpart Kb, and assume a distribution similar to that of existing respondents; therefore, 14 new re estimates do not include sources subject to both subpart Kb and the HON, which we assume will comply with the HON instead

^b This ICR uses the following labor rates for privately-owned sources: \$141.06 for managerial, \$120.27 for technical, and \$51 Department of Labor, Bureau of Labor Statistics, June 2019, “Table 2. Civilian Workers, by occupational and industry group. have been increased by 110 percent to account for the benefit packages available to those employed by private industry.

^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 413 existing respondents, we estimate that 80 percent ($413 \times 0.8 = 330$) will 83) will conduct an internal inspection. These activities are required to generate the information for the IFR failure report and response.

^f We estimate that 80% of existing and new respondents ($(413+19) \times 0.8 = 346$) will choose visual inspections. We estimate 1 visual inspections, yielding 35 reports. ($346 \times 0.1 = 35$ (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 Assume all 3,500 existing IFR tanks will be serviced routinely through a shutdown, and degassed once every ten years. On average of 350 per year. This number was added to the estimated 35 visual inspection failures that would lead to internal insp

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

\$120.27

\$141.06

\$58.67

(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
432	22	43	\$57,538.08
38	1.9	3.8	\$5,061.22
38	1.9	3.8	\$5,061.22
29	1.4	2.9	\$3,795.92
7.6	0.38	0.8	\$1,012.24
171	8.6	17	\$22,775.49
46	2.3	4.6	\$6,073.46
30	1.5	3.0	\$4,048.98
7.6	0.38	0.76	\$1,012.24
991	50	99	\$132,017.93
2,643	132	264	\$352,047.81
69.2	3.46	7	\$9,216.75
13.84	0.692	1.384	\$1,843.35
4,956	247.8	495.6	\$660,089.64
3,304	165.2	330.4	\$440,059.76
769	38	76.9235	\$102,454.41
15,577			\$1,804,108
3,304	165.2	330.4	\$440,059.76
4,956	247.8	495.6	\$660,089.64
4,956	247.8	495.6	\$660,089.64
24,367	1,218	2,437	\$3,245,398.11

	43,220		\$5,005,637
	58,800		\$6,810,000
			\$330,000
			\$7,140,000

er the next three years. We also estimate 75 percent (3,500) of closed vent system (CVS). We estimate 19 new respondents per spondents have an IFR, 4 have an ERF, and 1 has a CVS. These id.

3.67 for clerical labor. These rates are from the United States ” The rates are from column 1, “Total compensation.” The rates

t.

conduct an annual visual inspection, while 20 percent (413 x 0.2 = l EFR primary and secondary seal gap reports, but do not require

10 percent failure rate for the 346 respondents choosing annual

e tenth of these tanks will be degassed each year, for an annual ections, for a total estimate of 385 notifications of refill.

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 for privately-owned sources: \$141.06 for managerial, \$120.27 for technical, and \$93.14 for non-managerial/technical. Source: U.S. Department of Labor, Bureau of Labor Statistics, June 2019, "Table 2. Civilian Workers, by occupational and industry group." These rates have been increased by 110 percent to account for the benefit packages available to those employed by private industry.

^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.

\$120.27

\$141.06

\$58.67

(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	\$22,642.30
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	\$181,138.40
1,760			\$203,781
13,600	680	1360	\$1,811,384.00
15,640			\$1,811,384
17,400			\$2,020,000
			\$0
			\$2,020,000

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

\$58.67 for clerical labor. These rates are from the United States ip.” The rates are from column 1, “Total compensation.” The y.

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 5 new, modified, or reconstructed facilities each year and an average than the HON and MON, no sources are assumed to be complying with the HON or MON instead of Subpart

^b This ICR uses the following labor rates for privately-owned sources: \$141.06 for managerial, \$120.27 for Department of Labor, Bureau of Labor Statistics, June 2019, “Table 2. Civilian Workers, by occupational have been increased by 110 percent to account for the benefit packages available to those employed by priv

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

^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 reconstru

- ^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.

	\$120.27	\$141.06	\$58.67	
(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
70	70	3.5	7	\$9,323.30
5	240	12	24	\$31,965.60
1	48	2.4	4.8	\$6,393.12
3	6	0.3	0.6	\$799.14
2	4	0.2	0.4	\$532.76
5	10	0.5	1.0	\$1,331.90
6	12	0.6	1.2	\$1,598.28
65	585	29	59	\$77,916.15
	1,121			\$129,860
58	5,191	260	519	\$691,389.29
7	618.8	31	62	\$82,417.97
	6,681			\$773,807
	7,800			\$904,000
				\$1,400
				\$905,000

of 65 existing facilities over the next 3 years. Since Subpart VVa is more stringent than VVa.

technical, and \$58.67 for clerical labor. These rates are from the United States and industry group.” The rates are from column 1, “Total compensation.” The rates are from the industry.

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 73 existing affected sources over the next three years.
- ^b This ICR uses the following labor rates for privately-owned sources: \$141.06 for managerial, \$120.27 for technical, and Labor, Bureau of Labor Statistics, June 2019, “Table 2. Civilian Workers, by occupational and industry group.” The rates percent to account for the benefit packages available to those employed by private industry.
- ^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.

\$120.27 \$141.06 \$58.67

(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
78	78	3.9	7.8	\$10,388.82
5	1,800	90	180	\$239,742.00
1	360	18	36	\$47,948.40
5	10	0.5	1	\$1,331.90
5	5	0.3	0.5	\$665.95
6	12	0.6	1.2	\$1,598.28
73	438	22	44	\$58,337.22
	3,108			\$360,013
5	60	3	6	\$7,991.40
73	584	29	58	\$77,782.96
73	91	4.6	9.1	\$12,153.59
	846			\$97,928
	3,950			\$458,000
				\$696,000
				\$1,150,000

\$58.67 for clerical labor. These rates are from the United States Department of are from column 1, "Total compensation." The rates have been increased by 110

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 1 new affected source per year and an average of 38 existing affected sources over the next three which are assumed to be complying with the HON.

^b This ICR uses the following labor rates for privately-owned sources: \$141.06 for managerial, \$120.27 for Department of Labor, Bureau of Labor Statistics, June 2019, “Table 2. Civilian Workers, by occupational have been increased by 110 percent to account for the benefit packages available to those employed by pri

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

^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.

	\$120.27	\$141.06	\$58.67	
(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
39	39	1.95	3.9	\$5,194.41
1	60	3	6	\$7,991.40
0.2	12	0.6	1.2	\$1,598.28
1	2	0.1	0.2	\$266.38
1	1	0.05	0.1	\$133.19
1.2	2.4	0.1	0.2	\$319.66
38	228	11	23	\$30,367.32
		396		\$45,871
1	12	0.6	1.2	\$1,598.28
38	304	15	30	\$40,489.76
38	48	2.4	4.8	\$6,326.53
		418		\$48,415
		814		\$94,300
				\$66,200
				\$161,000

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

for technical, and \$58.67 for clerical labor. These rates are from the United States and industry group.” The rates are from column 1, “Total compensation.” The rates are from the private industry.

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 9 new affected sources per year subject to subpart NNN and not the HON, and 118 existing affected sources over Subpart NNN and the HON, which are assumed to be complying with the HON.

^b This ICR uses the following labor rates for privately-owned sources: \$141.06 for managerial, \$120.27 for technical, and Labor, Bureau of Labor Statistics, June 2019, “Table 2. Civilian Workers, by occupational and industry group.” The rates percent to account for the benefit packages available to those employed by private industry.

^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.

\$120.27 \$141.06 \$58.67

(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
127	127	6.4	13	\$16,915.13
9	540	27	54	\$71,922.60
2	108	5.4	11	\$14,384.52
9	18	0.9	1.8	\$2,397.42
9	9	0.45	0.9	\$1,198.71
11	22	1.1	2.2	\$2,876.90
118	708	35	71	\$94,298.52
	1,761			\$203,994
9	108	5.4	11	\$14,384.52
118	944	47	94	\$125,731.36
118	148	7.4	15	\$19,645.53
	1,379			\$159,761
	3,140			\$364,000
				\$293,000
				\$657,000

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

\$58.67 for clerical labor. These rates are from the United States Department of are from column 1, "Total compensation." The rates have been increased by 110

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 5 new affected sources per year subject to subpart RRR and not the HON, and 64 existing affected sources over RRR and the HON, which are assumed to be complying with the HON.

^b This ICR uses the following labor rates for privately-owned sources: \$141.06 for managerial, \$120.27 for technical, and Labor, Bureau of Labor Statistics, June 2019, “Table 2. Civilian Workers, by occupational and industry group.” The rates percent to account for the benefit packages available to those employed by private industry.

^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.

\$120.27 \$141.06 \$58.67

(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
69	69	3.45	6.9	\$9,190.11
5	300	15	30	\$39,957.00
1	60	3	6	\$7,991.40
5	10	0.5	1	\$1,331.90
5	5	0.25	0.5	\$665.95
6	12	0.6	1.2	\$1,598.28
64	384	19	38	\$51,144.96
	966			\$111,880
5	60	3	6	\$7,991.40
64	512	26	51	\$68,193.28
64	80	4	8	\$10,655.20
	750			\$86,840
	1,720			\$199,000
				\$160,000
				\$359,000

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

\$58.67 for clerical labor. These rates are from the United States Department of are from column 1, "Total compensation." The rates have been increased by 110

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 for privately-owned sources: \$141.06 for managerial, \$120.27 for technical, and Labor, Bureau of Labor Statistics, June 2019, “Table 2. Civilian Workers, by occupational and industry group.” The rates percent to account for the benefit packages available to those employed by private industry.

^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.

\$120.27 \$141.06 \$58.67

(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	\$7,192
0	0	0	0	\$0
0	0	0	0	\$0
3	33	1.65	3.3	\$4,395.27
66	5,280	264	528	\$703,243.20
54	432	21.6	43.2	\$57,538.08
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	\$115,076.16
	7,662			\$887,445
54	4,212	210.6	421.2	\$560,996.28
0	0	0	0	\$0
	4,844			\$560,996
	12,500			\$1,450,000
				\$0
				\$1,450,000

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

\$58.67 for clerical labor. These rates are from the United States Department of
are from column 1, "Total compensation." The rates have been increased by 110

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 for privately-owned sources: \$141.06 for managerial, \$120.27 for tec Bureau of Labor Statistics, June 2019, “Table 2. Civilian Workers, by occupational and industry group.” The account for the benefit packages available to those employed by private industry.

^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.

\$120.27 \$141.06 \$58.67

(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	4	4	0.2	0.4	\$532.76
8	4	32	1.6	3.2	\$4,262.08
2	0	0	0	0	\$0
4	4	16	0.8	1.6	\$2,131.04
2	0.1	0.2	0.01	0.02	\$21.31
		60			\$6,947
2	4	8	0.4	0.8	\$1,065.52
		9			\$900
		69			\$7,850
					\$0
					\$7,850

ed in the NSPS subpart Kb regulation for storage vessels at 40 CFR Part 60.
 hical, and \$58.67 for clerical labor. These rates are from the United States Department of Labor,
 rates are from column 1, "Total compensation." The rates have been increased by 110 percent to

ii.

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 for privately-owned sources: \$141.06 for managerial, \$120.27 for t Bureau of Labor Statistics, June 2019, “Table 2. Civilian Workers, by occupational and industry group.” Th account for the benefit packages available to those employed by private industry.

- ° 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.

(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	\$8,923.73
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	\$535,423.80
			4,700		\$544,348
1.5	2	3	0.2	0.3	\$399.57
36.5	67	2,446	122	245	\$325,716.15
20.8	67	1,394	70	139	\$185,613.58
			4,418		\$511,729
			9,120		\$1,056,000
					\$0
					\$1,056,000

Technical, and \$58.67 for clerical labor. These rates are from the United States Department of Labor, and the rates are from column 1, "Total compensation." The rates have been increased by 110 percent to

ear.

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

Burden item	(A)	(B)	(C)	(D)	(E)	(F)	(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	5	1,250	63	125	\$166,487.50
2. Plan activities	3.82	93	355	5	1,775	89	178	\$236,412.25
3. Training	3.47	38	132	5	660	33	66	\$87,905.40
4. Creation, testing, research, and development	2.4	1,778	4,266	5	21,330	1,067	2,133	\$2,840,942.70
5. Gather information, monitor/inspect	1.4	2,102	2,943	5	14,715	736	1,472	\$1,959,890.85
6. Process/compile and review	0.8	50	40	5	200	10	20	\$26,638.00
7. Complete reports	11.37	49	557	5	2,785	139	279	\$370,934.15
8. Record/disclose	9.98	49	489	5	2,445	122	245	\$325,649.55
9. Store/file	5.18	51	264	5	1,320	66	132	\$175,810.80
TOTAL LABOR BURDEN AND COST (rounded) ^d						53,500		\$6,190,000
TOTAL CAPITAL AND O&M COST (rounded) ^d								See Table G-13
GRAND TOTAL (rounded) ^d								\$6,190,000

Assumptions:

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

^b The number of new respondents (5) is from a previously approved ICR.

^c This ICR uses the following labor rates for privately-owned sources: \$141.06 for managerial, \$120.27 for technical, and \$58.67 for clerical labor. These rates are from the United States Department of Labor, Bureau of Labor Statistics, June 2019, "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 the benefit packages available to those employed by private industry.

^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)	\$120.27 (E)	\$141.06 (F)	\$58.67 (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=Cx180+Dx45)	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	9,945	497	995	\$1,324,574.55
2. Plan activities	6.08	13	61	18	9,045	452	905	\$1,204,703.55
3. Training	5.25	4	17	4	2,475	124	248	\$329,645.25
4. Creation, testing, research, and development	17.85	99	1,617	150	225,045	11,252	22,505	\$29,973,743.55
5. Gather information, monitor/inspect	2.5	677	1,693	0	228,555	11,428	22,856	\$30,441,240.45
6. Process/compile and review	20	1	20	0	2,700	135	270	\$359,613.00
7. Complete reports	81.2	5	388	18	53,190	2,660	5,319	\$7,084,376.10
8. Record/disclose	17.46	26	442	12	60,210	3,011	6,021	\$8,019,369.90
9. Store/file	6.77	35	222	15	30,645	1,532	3,065	\$4,081,607.55
TOTAL LABOR BURDEN AND COST (rounded) ^e					720,000			\$82,800,000
TOTAL CAPITAL AND O&M COST (rounded) ^e								\$50,100,000
GRAND TOTAL (rounded) ^e								\$133,000,000

Assumptions:

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

^b There are 135 existing sources out of the 180 total that will continue to comply with the HON.

^c The 45 facilities complying with the CAR will still be required to comply with HON requirements for wastewater.

^d This ICR uses the following labor rates for privately-owned sources: \$141.06 for managerial, \$120.27 for technical, and \$58.67 for clerical labor. These rates are from the United States Department of Labor, Bureau of Labor Statistics, June 2019, "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 the benefit packages available to those employed by private industry.

^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	1	\$13,500	\$1,350	234	\$316,366
Subtotal						\$330,000
NSPS VV	\$0	0	\$0	\$0	170	\$0
Subtotal						\$0
NSPS Vva ^b	\$1,400	1	\$1,400	\$0	65	\$0
Subtotal						\$1,400
NSPS DDD	\$30,000	5	\$150,000	\$7,000	78	\$546,000
Subtotal						\$696,000
NSPS III	\$13,500	1	\$13,500	\$1,350	39	\$52,650
Subtotal						\$66,200
NSPS NNN	\$13,500	9	\$121,500	\$1,350	127	\$171,450
Subtotal						\$293,000
NSPS RRR	\$25,000	5	\$125,000	\$500	69	\$34,500
Subtotal						\$160,000
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	2	\$50,000	\$275,000	182	\$50,050,000
Subtotal						\$50,100,000
NESHAP H ^c	\$1,400	3	\$9,800	\$0	0	\$0
Subtotal						\$9,800
NESHAP I	\$0	0	\$0	\$0	0	\$0
Subtotal						\$0
CAR	\$0	0	\$0	\$275,000	45	\$12,375,000
Subtotal						\$12,400,000
CAR Revisions	\$0	0	\$0	\$0	6	\$0
Subtotal						\$0
Total for CAR and Referencing Subparts						\$64,000,000

- ^a We assume that 5% of the 19 new respondents use a CVS as control, and that 5% of all existing storage tanks use a CVS as control. (413 existing respondents x 11.3 tanks per respondent x 5% tanks with CVS = 233)
- ^b We assume that 5 new process units are subject to NSPS Subpart VVa each year, and that 15 percent of all new sources are area sources, and that only area sources that construct new process units might purchase a monitoring instrument. (5 new respondents x 15% = 1 (rounded))
- ^c We estimate that 80 percent of new facilities contract out LDAR services, and 20 percent perform in-house. The 2 facilities (rounded) which contract out will purchase one unit as backup. The 1 remaining facility (rounded) performing LDAR in-house will purchase 5 units to support the program. The total annual capital/startup cost is 7 units x \$1,400 = \$9,800.

For capital, these are tanks with CVS as control. Revised from 19 to 1.

For O&M, these are the 5% of existing and new tanks using CVS as control. Revised from 413 to 234.

Revised from 5 to 1. Only 15% of new sources purchase monitoring equipment.

Revised from 73 to 78

Revised from 38 to 39

Revised from 118 to 127

Revised from 64 to 69

Revised from 180 to 182

Labor Rates

Private		
Technical	Managerial	Clerical
\$120.27	\$141.06	\$58.67

^b This ICR uses the following labor rates for privately-owned sources: \$141.06 for managerial, \$120.27 for technical, and \$58.67 for clerical labor. These rates are from the United States Department of Labor, Bureau of Labor Statistics, June 2019, "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 the benefit packages available to those employed by private industry.

Agency		
Technical	Managerial	Clerical
\$49.44	\$66.62	\$26.75

^b This ICR uses the following labor rates: \$66.62 for managerial, \$49.44 for technical, and \$26.75 for clerical labor. These rates are from the Office of Personnel Management (OPM), 2019 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.