

### ICR Summary Information

Hours per Response	12
Number of Respondents	931
Total Estimated Burden Hours	31,300
Total Estimated Costs	\$4,420,000
Annualized Capital O&M	\$660,000
Total Annual Responses	2,620
Form Number	Not Applicable

**Table 1: Annual Respondent Burden and Cost – NESHAP for Halogenated Solvent Cleaners/H:**

Burden Item	(A) Person hours per occurrence	(B) No. of occurrences per respondent per year	(C) Person hours per respondent per year (AxB)	(D) Respondents per year <sup>a</sup>
1. Applications				
a. Batch vapor and in-line cleaning machines	N/A			
b. Batch cold cleaning machines	N/A			
2. Survey and studies				
a. Batch vapor and in-line cleaning machines	N/A			
b. Batch cold cleaning machines	N/A			
3. Reporting Requirements				
a. Batch vapor and in-line cleaning machines				
i. Familiarization with the regulatory requirements <sup>c</sup>	2	1	2	768
ii. Gather existing information	See 3A(iii)			
iii. Write Report				
Initial notification report	1	1	1	0
Initial compliance report	4	1	4	0
Performance test results <sup>d</sup>	30	1	30	0
Annual compliance report <sup>e</sup>	1.5	1	1.5	768
Report with exceedance <sup>f, g</sup>	1	4	4	76.8
Report with no exceedance <sup>f, h</sup>	0.5	2	1	691
b. Batch cold cleaning machines				
i. Familiarize with regulatory requirements <sup>i</sup>	0.5	1	0.5	163
ii. Gather existing information	See 3B(iii)			
iii. Write Report <sup>j</sup>				
Initial notification report	0.25	1	0.25	0
Initial compliance report	0.25	1	0.25	0
<b>Subtotal for Reporting Requirements</b>				
4. Recordkeeping Requirements				
a. Batch vapor and in-line cleaning machines				
i. Familiarization with the regulatory requirements	See 3A(i)			
ii. Plan activities	N/A			
iii. Implement activities				
Performance test <sup>d</sup>	50	1	50	0
Control device monitoring <sup>k, l</sup>	1.64	12	19.68	384
Solvent consumption log <sup>m</sup>	1.5	12	18	384
iv. Record Data				
Control device monitoring <sup>l, n</sup>	1.2	12	14.4	384
Solvent emission calculation <sup>m, o</sup>	0.75	12	9	384
v. Time to train personnel <sup>p</sup>				
b. Batch cold cleaning machines	N/A			
<b>Subtotal for Recordkeeping Requirements</b>				

<b>TOTAL ANNUAL BURDEN AND COST (rounded) <sup>q</sup></b>				
<b>Capital and O&amp;M Cost (see Section 6(b)(iii)): <sup>q</sup></b>				
<b>TOTAL COST: <sup>q</sup></b>				

Assumptions:

- <sup>a</sup> We estimate that an average of 931 existing respondents will be subject to the rule over the three-year period of this ICF line cleaning machine requirements while 163 respondents are subject to batch cold cleaning machine requirements. No n
- <sup>b</sup> This ICR uses the following labor rates: Managerial \$157.61 (\$75.05+ 110%); Technical \$123.94 (\$59.02 + 110%); and States Department of Labor, Bureau of Labor Statistics, September 2021, “Table 2. Civilian Workers, by occupational and compensation.” The rates have been increased by 110 percent to account for varying industry wage rates and the addition: and benefits, including business expenses associated with hiring, training, and equipping their employees.
- <sup>c</sup> We assume it will take 2 hours to read instructions.
- <sup>d</sup> We estimate that idling emission or dwell test reports will require 80 technical hours, which are divided between the tes
- <sup>e</sup> We assume that 768 facilities are required to complete the annual compliance report.
- <sup>f</sup> The burden of one quarterly and one semiannual exceedance report is included in the burden estimate for the annual rep
- <sup>g</sup> We assume that 10 percent of 768 facilities are in exceedance at least one time per year (quarterly reporting).
- <sup>h</sup> We assume that 90 percent of 768 facilities are not in exceedance (semiannual reporting).
- <sup>i</sup> We assume that it will take 0.5 hours to read instructions.
- <sup>j</sup> We assume that it will take 0.25 hours to write each report.
- <sup>k</sup> Actual monitoring is conducted weekly, monthly or quarterly for specific control devices. The estimated time is based o
- <sup>l</sup> We assume that 50 percent of the facilities will choose the standard equipment and will be required to conduct control d
- <sup>m</sup> We assume that 50 percent of the facilities will choose to do solvent consumption monitoring.
- <sup>n</sup> We assume that it will take 1.2 hours per facility to record data.
- <sup>o</sup> We assume that it will take 0.75 hours per facility to record solvent consumption data.
- <sup>p</sup> We assume that no special training requirements are required.
- <sup>q</sup> Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

**alogenated Hazardous Air Pollutants (40 CFR Part 63, Subpart T) (Renewal)**

123.94      157.61      62.52

(E) Technical person-hours per year (Cx <sub>D</sub> )	(F) Management person-hours per year (Ex <sub>0.05</sub> )	(G) Clerical person-hours per year (Ex <sub>0.1</sub> )	(H) Total cost per year (\$) <sup>b</sup>
1536	76.8	153.6	\$212,079.36
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
1152	57.6	115.2	\$159,059.52
307.2	15.36	30.72	\$42,415.87
691.2	34.56	69.12	\$95,435.71
81.5	4.075	8.15	\$11,253
0	0	0	\$0
0	0	0	\$0
<b>4,333.09</b>			<b>\$520,243.37</b>
0	0	0	\$0
7557.12	377.856	755.712	\$1,043,430.45
6912	345.6	691.2	\$954,357.12
5529.6	276.48	552.96	\$763,485.70
3456	172.8	345.6	\$477,178.56
<b>26,973</b>			<b>3,238,452</b>

82%  
768  
163

660000

768  
307.2  
1382.4  
163  
2621

<b>31,300</b>			<b>\$3,760,000</b>
			<b>\$660,000</b>
			<b>\$4,420,000</b>

2. Of this total, 768 respondents are subject to batch vapor and in-line respondents are expected.

Clerical \$62.52 (\$29.77 + 110%). These rates are from the United States industry group." The rates are from column 1, "Total annual overhead business costs of employing workers beyond their wages

test report (30 hours) and the test itself (50 hours).

port.

on the typical control devices expected to be installed.  
device monitoring.

batch and in-line vapor machines  
cold-cleaning machines

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

Total annual responses

Annual Compliance Report

Quarterly Exceedance Reports

Semiannual exceedance reports

Batch cold cleaning - recordkeeping

12 hr per resp

**Table 2: Average Annual EPA Burden and Cost – NESHAP for Halogenated Solvent Cleaners/Hal**

Burden Item	(A) Technical person-hours per occurrence	(B) No. of occurrences per respondent per year	(C) Technical person-hours per respondent per year (AxB)	(D) Respondents per year
Report Activity				
1. Batch vapor and in-line cleaning machine				
a. Initial notification report	1	1	1	0
b. Initial compliance report	2	1	2	0
c. Performance test results <sup>b</sup>	8	1	8	0
d. Annual compliance report <sup>c</sup>	2	1	2	768
Report with exceedance <sup>d,e</sup>	1	4	4	76.8
Report with no exceedance <sup>d,f</sup>	0.5	2	1	691
2. Batch Cold Cleaning Machines				
a. Initial notification/compliance report	0.25	1	0.25	0
<b>TOTAL ANNUAL BURDEN AND COST (rounded) <sup>g</sup></b>				

Assumptions:

- <sup>a</sup> This cost is based on the following labor rates which incorporates a 1.6 benefits multiplication factor to account for benefit of \$70.56 (GS-13, Step 5, \$44.10 + 60%), Technical rate of \$52.37 (GS-12, Step 1, \$32.73 + 60%), and Clerical rate of \$28.3 Office of Personnel Management (OPM) “2022 General Schedule” which excludes locality rates of pay.
- <sup>b</sup> We assume that it will take 8 hours to review performance test results.
- <sup>c</sup> All facilities are expected to submit annual compliance reports summarizing either solvent consumption data or monitoring
- <sup>d</sup> The burden of one quarterly and one semiannual exceedance report is included in the burden estimate for the annual report.
- <sup>e</sup> We assume that 10 percent of 768 facilities are in exceedance at least one time per year.
- <sup>f</sup> We assume that 90 percent of 768 facilities are not in exceedance.
- <sup>g</sup> Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.



**logenated Hazardous Air Pollutants (40 CFR Part 63, Subpart T) (Renewal)**

52.37

70.56

28.34

<b>(E) Technical hours per year (CxD)</b>	<b>(F) Management hours per year (Ex0.05)</b>	<b>(G) Clerical hours per year (Ex0.1)</b>	<b>(H) Total cost per year (\$) <sup>a</sup></b>
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
1536	76.8	153.6	\$90,212.35
307.2	15.36	30.72	\$18,042.47
691.2	34.56	69.12	\$40,595.56
0	0	0	\$0
<b>2,910</b>			<b>\$149,000</b>

packages available to government employees: Managerial rate 4 (GS-6, Step 3, \$17.71 + 60%). These rates are from the

results for each cleaning machine.

<b>Capital/Startup vs. Operation and Maintenance</b>			
<b>(A)</b>	<b>(B)</b>	<b>(C)</b>	<b>(D)</b>
<b>Continuous Monitoring Device</b>	<b>Capital/Startup Cost for One Respondent</b>	<b>Number of New Respondents <sup>a</sup></b>	<b>Total Capital/Startup Cost, (B X C)</b>
Temperature monitoring device	\$2,700	0	\$0
<b>Total (rounded) <sup>a</sup></b>			<b>\$0</b>

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

**(O&M) Costs**

<b>(E)</b>	<b>(F)</b>	<b>(G)</b>
<b>Annual O&amp;M Costs for One Respondent</b>	<b>Number of Respondents with O&amp;M<sup>b</sup></b>	<b>Total O&amp;M, (E X F)</b>
\$860	768	\$660,480
		<b>\$660,000</b>

\$660,000

<b>Total Annual Responses</b>				
(A)	(B)	(C)	(D)	(E)
Information Collection Activity	Number of Respondents <sup>a</sup>	Number of Responses	Number of Existing Respondents That Keep Records But Do Not Submit Reports	Total Annual Responses E=(BxC)+D
<b>Batch vapor and in-line cleaning machines:</b>				
Annual compliance report	768	1	0	768
Quarterly exceedance reports	76.8	4	0	307.2
Semiannual exceedance reports	691.2	2	0	1,382.4
<b>Batch cold cleaning machines:</b>				
Initial notification report and compliance report	0	2	163	163
			<b>Total</b>	<b>2,620</b>

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

<b>Number of Respondents</b>				
	<b>Respondents That Submit Reports</b>		<b>Respondents That Do Not Submit /</b>	
	<b>(A)</b>	<b>(B)</b>	<b>(C)</b>	<b>(D)</b>
<b>Year</b>	<b>Number of New Respondents <sup>a</sup></b>	<b>Number of Existing Respondents</b>	<b>Number of Existing Respondents that keep records but do not submit reports</b>	<b>Number of Existing Respondents That Are Also New Respondents</b>
1	0	768	163	0
2	0	768	163	0
3	0	768	163	0
Average	0	768	163	0

<sup>a</sup> New respondents include sources with constructed and reconstructed affected facilities.

<b>Any Reports</b>
<b>(E)</b>
<b>Number of Respondents (E=A+B+C-D)</b>
931
931
931
<b>931</b>