

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

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 ^a
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 ^c	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 ^d	30	1	30	0
Annual compliance report ^e	1.5	1	1.5	768
Report with exceedance ^{f, g}	1	4	4	76.8
Report with no exceedance ^{f, h}	0.5	2	1	691
b. Batch cold cleaning machines				
i. Familiarize with regulatory requirements ⁱ	0.5	1	0.5	163
ii. Gather existing information	See 3B(iii)			
iii. Write Report ^j				
Initial notification report	0.25	1	0.25	0
Initial compliance report	0.25	1	0.25	0
Subtotal for Reporting Requirements				
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 ^d	50	1	50	0
Control device monitoring ^{k, l}	1.64	12	19.68	384
Solvent consumption log ^m	1.5	12	18	384
iv. Record Data				
Control device monitoring ^{l, n}	1.2	12	14.4	384
Solvent emission calculation ^{m, o}	0.75	12	9	384
v. Time to train personnel ^p				
b. Batch cold cleaning machines	N/A			
Subtotal for Recordkeeping Requirements				

TOTAL ANNUAL BURDEN AND COST (rounded) ^q				
Capital and O&M Cost (see Section 6(b)(iii)): ^q				
TOTAL COST: ^q				

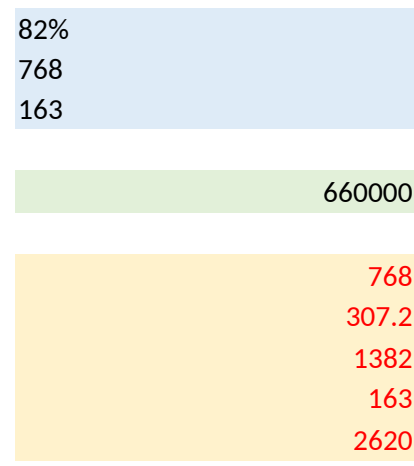
Assumptions:

- a. We estimate that an average of 931 existing respondents will be subject to the rule over the three-year period of this ICR
- b. This ICR uses the following labor rates: \$117.92 for technical, \$147.40 for managerial, and \$57.02 for clerical labor. TI
- c. We assume it will take 2 hours to read instructions.
- d. We estimate that idling emission or dwell test reports will require 80 technical hours, which are divided between the test
- e. We assume that 768 facilities are required to complete the annual compliance report.
- f. The burden of one quarterly and one semiannual exceedance report is included in the burden estimate for the annual rep
- g. We assume that 10 percent of 768 facilities are in exceedance at least one time per year (quarterly reporting).
- h. We assume that 90 percent of 768 facilities are not in exceedance (semiannual reporting).
- i. We assume that it will take 0.5 hours to read instructions.
- j. We assume that it will take 0.25 hours to write each report.
- k. Actual monitoring is conducted weekly, monthly or quarterly for specific control devices. The estimated time is based c
- l. We assume that 50 percent of the facilities will choose the standard equipment and will be required to conduct control d
- m. We assume that 50 percent of the facilities will choose to do solvent consumption monitoring.
- n. We assume that it would take 1.2 hours per facility to record data.
- o. We assume that it would take 0.75 hours per facility to record solvent consumption data.
- p. We assume that no special training requirements are required.
- q. Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

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

117.92 147.4 57.02

(E) Technical person-hours per year (Cx _D)	(F) Management person-hours per year (Ex _{0.05})	(G) Clerical person-hours per year (Ex _{0.1})	(H) Total cost per year (\$) ^b
1536	76.8	153.6	\$201,203.71
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
1152	57.6	115.2	\$150,902.78
307.2	15.36	30.72	\$40,240.74
691.2	34.56	69.12	\$90,541.67
81.5	4.075	8.15	\$10,676
0	0	0	\$0
0	0	0	\$0
4,333.09			\$493,564.76
0	0	0	\$0
7557.12	377.856	755.712	\$989,922.26
6912	345.6	691.2	\$905,416.70
5529.6	276.48	552.96	\$724,333.36
3456	172.8	345.6	\$452,708.35
26,973			3,072,381



31,300			\$3,570,000
			\$660,000
			\$4,230,000

Of this total, 768 respondents are subject to batch vapor and in-line cleaning machine requirements while 163 respondents are subject to in-line cleaning machine requirements. These rates are from the United States Department of Labor, Bureau of Labor Statistics, June 2018, "Table 2. Civilian W

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

idents are subject to batch cold cleaning machine requirements. No new respondents are expected.

orkers, by occupational and industry group.” The rates are from column 1, “Total compensation.” The rates have been increa

sed by 110 percent to account for the benefit packages available to those employed by private industry.

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

48.75

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	(E) Technical hours per year (Cx D)
Report Activity					
1. Batch vapor and in-line cleaning machine					
a. Initial notification report	1	1	1	0	0
b. Initial compliance report	2	1	2	0	0
c. Performance test results ^b	8	1	8	0	0
d. Annual compliance report ^c	2	1	2	768	1536
Report with exceedance ^{d,e}	1	4	4	76.8	307.2
Report with no exceedance ^{d,f}	0.5	2	1	691	691.2
2. Batch Cold Cleaning Machines					
a. Initial notification/compliance report	0.25	1	0.25	0	0
TOTAL ANNUAL BURDEN AND COST (rounded) ^g					

Assumptions:

- ^a This ICR uses the following labor rates: \$48.75 for technical, \$65.71 for managerial, and \$26.38 for clerical labor. Th
- ^b We assume that it will take 8 hours to review performance test results.
- ^c All facilities are expected to submit annual compliance reports summarizing either solvent consumption data or monit
- ^d The burden of one quarterly and one semiannual exceedance report is included in the burden estimate for the annual re
- ^e We assume that 10 percent of 768 facilities are in exceedance at least one time per year.
- ^f We assume that 90 percent of 768 facilities are not in exceedance.
- ^g Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

✓Halogenated Hazardous Air Pollutants (40 CFR Part 63, Subpart T) (Renewal)

65.71 26.38

(F) Managem ent hours per year (Ex0.05)	(G) Clerical hours per year (Ex0.1)	(H) Total cost per year(\$)^a
0	0	\$0
0	0	\$0
0	0	\$0
76.8	153.6	\$83,978.50
15.36	30.72	\$16,795.70
34.56	69.12	\$37,790.32
0	0	\$0
2,910		\$139,000

ese rates are from the Office of Personnel Management (OPM), 2018 General Schedule, which excludes locality rates of pay.

oring results for each cleaning machine.

port.

. The rates have been increased by 60 percent to account for the benefit packages available to government employees.

