

Table 1: Annual Respondent Burden and Cost – State and Federal Emission Guidelines for Hospital

Burden item	(A) Person hours per occurrence	(B) No. of occurrences per respondent per year	(C) Person hours per respondent per year (C=AxB)	(D) Respondents per year ^a
1. Applications	N/A			
2. Survey and Studies	N/A			
3. Reporting Requirements (States)				
A. Familiarize with Regulatory Requirements ^c	1	1	1	22
B. Required activities ^d				
- Development of State Plan/Inventory	2,080	1	2,080	0
- Annual update of State Plan Inventory	20	1	20	22
- Public hearing on State Plan	8	1	8	0
C. Create information	See 3B			
D. Gather information	See 3B			
E. Write report				
- State Plan/Inventory	See 3B			
- Annual update of State Plan Inventory	See 3B			
- Notification of public hearing on State Plan	8	1	8	0
- Certification that public hearing on State Plan conducted according to Subpart	2	1	2	0
Subtotal for Reporting Requirements (States)				
4. Reporting requirements (privately-owned HMIWI)				
A. Familiarize with Regulatory Requirements ^c	1	1	1	31
B. Required activities ^e				
Annual update of operating information ^f	20	1	20	31
Review operating information with each operator ^g	8	2	16	31
Annual equipment inspection (small rural HMIWI)	20	1	20	1
Annual equipment inspection (all other HMIWI)	20	1	20	30
C. Create information	See 4B			
D. Gather information	See 4B			
E. Write report ^e				
Annual report				
CMS operating parameters	32	1	32	31
Emissions/parameter exceedances and periods when emission/parameter data not obtained ^j				
- Small rural HMIWI	16	1	16	0.2
- All other HMIWI	64	1	64	6
Report of annual performance test				
- Small rural HMIWI	20	1	20	1
- All other HMIWI	280	1	280	30
Report of no exceedances				
- Small rural HMIWI	8	1	8	0.8
- All other HMIWI	32	1	32	24
Report of annual equipment inspection	See 4B			

Semiannual report of emissions/parameter exceedances and periods when emission/parameter data not obtained (small non-rural, medium, and large HMIWI) ^j	32	2	64	6
Semiannual report of emissions/parameter exceedances and periods when emission/parameter data not obtained (small rural HMIWI) ^j	8	2	16	0.2
Subtotal for Reporting Requirements (Privately-owned HMIWI)				
5. Reporting requirements (Federally-owned HMIWI)				
A. Familiarize with Regulatory Requirements ^c	1	1	1	5
B. Required activities				
Annual update of operating information ^f	20	1	20	5
Review operating information with each operator ^g	8	2	16	5
Annual control equipment inspection	20	1	20	5
C. Create information	NA			
D. Gather existing information	See 5B			
E. Write report				
Annual report				
CMS operating parameters	32	1	32	5
Emissions/parameter exceedances and periods when emission/parameter data not obtained ^j	64	1	64	1
Report of annual performance test	40	1	40	5
Report of no exceedances	32	1	32	4
Report of annual equipment inspection	See 5B			
Semiannual report of emissions/parameter exceedances and periods when emission/parameter data not obtained ^j	32	2	64	1
Subtotal for Reporting Requirements (Federally-owned HMIWI)				
6. Reporting requirements (State/locally-owned HMIWI)				
A. Familiarize with Regulatory Requirements ^c	1	1	1	0
B. Required activities				
Annual update of operating information	20	1	20	0
Review operating information with each operator	8	2	16	0
Annual control equipment inspection	20	1	20	0
C. Create information	NA			
D. Gather existing information	See 6B			
E. Write report				
Annual report				
CMS operating parameters	32	1	32	0
Emissions/parameter exceedances and periods when emission/parameter data not obtained ^j	64	1	64	0
Report of annual performance test	40	1	40	0
Report of no exceedances ^j	32	1	32	0
Report of annual equipment inspection	See 6B			
Semiannual report of emissions/parameter exceedances and periods when emission/parameter data not obtained ^j	32	2	64	0
Subtotal for Reporting Requirements (State/locally-owned HMIWI)				
7. Reporting requirements (co-fired combustors and pathological/low-level radioactive/chemotherapeutic waste combustors)				
A. Familiarize with Regulatory Requirements ^{c,k}	1	1	1	13.4
B. Required activities	N/A			

C. Create information	N/A			
D. Gather existing information	N/A			
E. Write report				
Notification of exemption claim	2	1	2	0
Notification of relative amounts of hospital waste, medical/infectious waste, and other fuels and wastes to be combusted (co-fired combustors only)	2	1	2	0
Subtotal for Reporting Requirements (Co-fired combustors and pathological/low-level radioactive/chemotherapeutic waste combustors)				
8. Recordkeeping requirements (States)				
A. Familiarize with Regulatory Requirements	See 3A			
B. Plan activities	NA			
C. Implement activities	NA			
D. Develop record system	NA			
E. Time to enter information	NA			
F. Time to train personnel	NA			
G. Time for audits	NA			
Subtotal for Recordkeeping Requirements (States)				
9. Recordkeeping requirements (privately-owned HMIWI)				
A. Familiarize with Regulatory Requirements	See 4A			
B. Plan activities	N/A			
C. Implement activities	N/A			
D. Develop record system	N/A			
E. Time to enter information				
Records of startup, shutdown, malfunction	1.5	52	78	31
Records of persons reviewing operating information	2	2	4	31
Records of operators completing training requirements	2	1	2	0
Records of operators that have been qualified	2	1	2	0
Records of initial performance test	See 4E			
Records of process and control device operating parameters				
- Small rural HMIWI	0.5	52	26	1
- All other HMIWI	1.5	52	78	30
Records of CMS operation and maintenance				
- Small rural HMIWI	0.5	250	125	1
- All other HMIWI	1.5	250	375	30
Records of emissions/parameter exceedances and periods when emission/parameter data not obtained ^j				
- Small rural HMIWI	0.5	52	26	0.2
- All other HMIWI	1.5	52	78	6
Records of annual and subsequent compliance tests	See 4E			
Records of annual equipment inspection	See 4B			
F. Time to train personnel	40	1	40	0
G. Time for audits	N/A			
Subtotal for Recordkeeping Requirements (Privately-owned HMIWI)				
10. Recordkeeping requirements (Federally-owned HMIWI)				
A. Familiarize with Regulatory Requirements	See 5A			
B. Plan activities	N/A			

C. Implement activities	N/A			
D. Develop record system	N/A			
E. Time to enter information				
Records of startup, shutdown, malfunction	1.5	52	78	5
Records of persons reviewing operating information	2	2	4	5
Records of operators completing training requirements	2	1	2	0
Records of operators that have been qualified	2	1	2	0
Records of initial performance test	See 5E			
Records of process and control device operating parameters	1.5	52	78	5
Records of CMS operation and maintenance	1.5	250	375	5
Records of emissions/parameter exceedances and periods when emission/parameter data not obtained ^j	1.5	52	78	1
Records of annual and subsequent compliance tests	See 5E			
Records of annual equipment inspection	See 5B			
F. Time to train personnel	40	1	40	0
G. Time for audits	N/A			
Subtotal for Recordkeeping Requirements (Federally-owned HMIWI)				
11. Recordkeeping requirements (State/locally-owned HMIWI)				
A. Familiarize with Regulatory Requirements	See 6A			
B. Plan activities	N/A			
C. Implement activities	N/A			
D. Develop record system	N/A			
E. Time to enter information				
Records of startup, shutdown, malfunction	1.5	52	78	0
Records of persons reviewing operating information r	2	2	4	0
Records of operators completing training requirements	2	1	2	0
Records of operators that have been qualified	2	1	2	0
Records of initial performance test	See 6E			
Records of process and control device operating parameters	1.5	52	78	0
Records of CMS operation and maintenance	1.5	250	375	0
Records of emissions/parameter exceedances and periods when emission/parameter data not obtained ^j	1.5	52	78	0
Records of annual and subsequent compliance tests	See 6E			
Records of annual equipment inspection	See 6B			
F. Time to train personnel	40	1	40	0
G. Time for audits	N/A			
Subtotal for Recordkeeping Requirements (State/Locally-owned HMIWI)				
12. Recordkeeping requirements (co-fired and pathological/low-level radioactive/chemotherapeutic combustors)				
A. Familiarize with Regulatory Requirements	See 7A			
B. Plan activities	N/A			
C. Implement activities	N/A			
D. Develop record system	N/A			
E. Time to enter information				
Quarterly records of periods when only pathological, low-level radioactive, chemotherapeutic waste burned ^k	2	4	8	13.4

Quarterly records of weight of hospital waste and medical/infectious waste combusted, and weight of all other fuels and waste combusted (co-fired only) ^k	2	4	8	5
F. Time to train personnel	N/A			
G. Time for audits	N/A			
Subtotal for Recordkeeping Requirements (Co-fired and pathological/low level radioactive / chemotherapeutic combustors)				
TOTAL REPORTING REQUIREMENTS (FROM SUBTOTALS)				
TOTAL RECORDKEEPING REQUIREMENTS (FROM SUBTOTALS)				
TOTAL LABOR BURDEN AND COSTs (rounded) ^{l,m}				
TOTAL CAPITAL AND O&M COST (rounded) ^l				
GRAND TOTAL (rounded) ^l				

Note: States and tribes may choose to impose requirements that are more stringent. However, the burden estimates provided mirror the federal Emission Guidelines.

Assumptions:

^a We have assumed that there are approximately 58 respondents, with no additional new or reconstructed sources becoming s breakdown is as follows: 31 privately-owned HMIWI (including 1 small rural HMIWI), 5 Federally-owned HMIWI, and 0 St 22 States that require annual State Plan Inventory.

^b This ICR uses the following labor rates for industry: \$147.40 per hour for Executive, Administrative, and Managerial labor per hour for Clerical labor. These rates are from the United States Department of Labor, Bureau of Labor Statistics, June 201 and Industry group.” The rates are from column 1, “Total Compensation.” The rates have been increased by 110% to accour employed by private industry.

In addition, this ICR uses the following labor rates for Federal and State government: Managerial rate of \$65.71 (GS-13, Step 12, Step 1, \$30.47 + 60%), and Clerical rate of \$26.38 (GS-6, Step 3, \$16.49 + 60%). These rates are from the Office of Pers Schedule” which excludes locality rates of pay. The rates have been increased by 60 percent to account for the benefit packag government overhead expenses

^c We have assumed all respondents will have to familiarize with regulatory requirements

^d Assume all 22 states with HMIWI have approved State Plan by the first year of this ICR. However, the State Plan/Inventory

^e The zero value for number of respondents indicates that burden was incurred prior to the time period covered by this suppo

^f We have assumed that it would take each respondent 20 hours each to update the annual operating information.

^g We have assumed that it would take each respondent 8 hours to review the operating information with each operator.

^h We have assumed that each facility will take 160 hours to develop the operating information.

ⁱ We have assumed that each facility will take 40 hours to develop the waste management plan.

^j Assume 20 percent of respondents report exceedances, and 80 percent report no exceedances.

^k We have assumed that all co-fired and pathological/low-level radioactive/ chemotherapeutic combustors units would be ow 13.4 units per year (which includes 5 co-fired units) will need to re-familiarize themselves with regulatory requirements over

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

^m Total includes 4,200 hours from Federally-owned and operated facilities.

tal/Medical/Infectious Waste Incinerators (40 CFR Part 60, Subpart Ce and 40 CFR Part 62, Subj

(E) Technical person-hours per year (E=CxD)	(F) Management person hours per year (Ex0.05)	(G) Clerical person hours per year (Ex0.1)	(H) Total Cost per year ^b
22	1.1	2.2	\$2,881.82
0	0	0	\$0
440	22	44	\$57,636.48
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
531			\$60,518
31	1.55	3.1	\$4,060.75
620	31	62	\$81,215.04
496	24.8	49.6	\$64,972.03
20	1	2	\$2,619.84
600	30	60	\$78,595.20
992	49.6	99.2	\$129,944.06
3.2	0.16	0.32	\$419.17
384	19.2	38.4	\$50,300.93
20	1	2	\$2,619.84
8,400	420	840	\$1,100,332.80
6.4	0.32	0.64	\$838.35
768	38.4	76.8	\$100,601.86

State/Federal Govt. Labor Rates:	
Management	65.71
Technical	48.75
Clerical	26.38

These rates were update

Private Industry Labor Rates:	
Management	147.40
Technical	117.92
Clerical	57.02

These rates were update

384	19.2	38.4	\$50,300.93
3.2	0.16	0.32	\$419.17
14,637			\$1,667,240
5	0.25	0.5	\$273.37
100	5	10	\$5,467.35
80	4	8	\$4,373.88
100	5	10	\$5,467.35
160	8	16	\$8,747.76
64	3.2	6.4	\$3,499.10
200	10	20	\$10,934.70
128	6.4	12.8	\$6,998.21
64	3.2	6.4	\$3,499.10
1,036			\$49,261
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
13.4	0.67	1.34	\$1,755

0	0	0	\$0
0	0	0	\$0
15			\$1,755
0			\$0
2,418	120.9	241.8	\$316,738.66
124	6.2	12.4	\$16,243.01
0	0	0	\$0
0	0	0	\$0
26	1.3	2.6	\$3,405.79
2,340	117.0	234	\$306,521.28
125	6.25	12.5	\$16,374.00
11,250	562.5	1,125.0	\$1,473,660.00
5.2	0.26	0.52	\$681.16
468	23.4	46.8	\$61,304.26
0	0	0	\$0
19,270			\$2,194,928

390	19.5	39	\$21,322.67
20	1	2	\$1,093.47
0	0	0	\$0
0	0	0	\$0
390	19.5	39	\$21,322.67
1,875	93.75	187.5	\$102,512.81
78	3.9	7.8	\$4,264.53
0	0	0	\$0
3,166			\$150,516
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
107.2	5.36	10.72	\$14,042.34

40	2	4	\$5,239.68
169			\$19,282
16,220			\$1,778,774
22,605			\$2,364,726
38,800			\$4,140,000
			\$479,000
			\$4,620,000

4,202 Federally owned burden

224 hr/response

in this ICR assume that the state and tribal plans

subject to the rule over the next three years. The
state/locally-owned HMIWI. Additionally, there are

at; \$117.92 per hour for Technical labor, and \$57.02
8, “Table 2. Civilian Workers, by Occupational
it for the benefit packages available to those

5, \$41.07 + 60%), Technical rate of \$48.75 (GS-
onnel Management (OPM) “2018 General
es available to State government employees and

y is updated on an annual basis.

rting statement or for new respondents.

ned by the private sector. We assume an average of
the three-year period of this ICR.

part HHH) (Renewal)

d 2/4/19 to match the rates from the Office of Personnel Management (OPM), 2018 General Schedule.

d 2/4/19 to match the United States Department of Labor, Bureau of Labor Statistics, June 2018, "Table 2. Civilian Worl

kers, by occupational and industry group

Table 2: Average Annual EPA Burden and Cost – State and Federal Emission Guidelines for Hospit

Burden item	(A) Person hours per occurrence	(B) No. of occurrences per respondent per year	(C) Person hours per respondent per year (C=AxB)	(D) Respondents per year ^a	(E) Technical person-hours per year (E=CxD)
1. Initial performance test	32	1	32	0	0
2. Repeat performance test					
A. Retesting preparation	12	1	12	0	0
B. Attend retesting	32	1	32	0	0
3. Report review					
A. Review reports for co-fired combustors					
Review notification of exemption claim	2	1	2	0	0
Review notification of relative amounts of hospital waste, medical/infectious waste, and other fuels and wastes to be combusted	2	1	2	0	0
B. Review notification of exemption claim for pathological, low-level radioactive, chemotherapeutic combustors	2	1	2	0	0
C. Review reports of increments of progress					
Review control plan	4	1	4	0	0
Review notification of construction contracts	2	1	2	0	0
Review notification of construction commencement	2	1	2	0	0
Review notification of construction completion	2	1	2	0	0
Review notification of control plan completion	2	1	2	0	0
D. Review request for extension for HMIWI planning to shut down late	4	1	4	0	0
E. Review reports for small non-rural, medium and large HMIWI					
Review waste management plan	8	1	8	0	0
Review notification of initial performance test	8	1	8	0	0
Review notification of initial CMS demonstration	5	1	5	0	0
Review report of initial performance test	36	1	36	0	0
Review report of initial CMS demonstration	24	1	24	0	0
Review annual report					
CMS operating parameters					
- Small rural HMIWI	2	1	2	1	2
- All other HMIWI	6	1	6	35	210
Emissions/parameter exceedances and periods when emission/parameter data not obtained ^c					
- Small rural HMIWI	4	1	4	0.2	0.8
- All other HMIWI	16	1	16	7	112
Results of annual performance test					
- Small rural HMIWI	6	1	6	1	6
- All other HMIWI	24	1	24	35	840
Report of no exceedances					
- Small rural HMIWI	2	1	2	0.8	1.6
- All other HMIWI	8	1	8	28	224

Review semiannual report of emissions/ parameter exceedances and periods when emission/parameter data not obtained ^c					
- Small rural HMIWI	2	1	2	0.2	0.4
- All other HMIWI	8	1	8	7	56
Report of annual equipment inspection (Small rural HMIWI)	4	1	4	1	4
Report of annual control equipment inspection (All other HMIWI)	4	1	4	0	0
G. Review reports for States					
Review annual update of State Plan Inventory ^d	8	1	8	22	176
4. Prepare annual summary report ^e	1	1	1	36	36
TOTAL (rounded) ^f					

Assumptions:

^a We have assumed that there are approximately 58 respondents, with no additional new or reconstructed sources becoming sub years. The breakdown is as follows: 31 privately-owned HMIWI (including 1 small rural HMIWI), 5 Federally-owned HMIWI, Additionally, there are 22 States that require annual State Plan Inventory.

^b This cost is based on the following labor rates which incorporates a 1.6 benefits multiplication factor to account for government rate of \$65.71 (GS-13, Step 5, \$41.07 + 60%), Technical rate of \$48.75 (GS-12, Step 1, \$30.47 + 60%), and Clerical rate of \$26 These rates are from the Office of Personnel Management (OPM) “2018 General Schedule” which excludes locality rates of pay

^c Assume 20 percent of respondents report parameter exceedances, and 80 percent report no exceedances.

^d Assume all 22 States have approved State/Plan Inventory. All States are expected to update State Plan/Inventory annually.

^e We have assumed that all respondents will have to prepare annual summary report.

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

tal/Medical/Infectious Waste Incinerators (40 CFR Part 60, Subpart Ce and 40 CFR Part 62, Subpa

(F) Management person hours per year (Ex0.05)	(G) Clerical person hours per year (Ex0.1)	(H) 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
0.1	0.2	\$109.35
10.5	21	\$11,481.44
0.04	0.08	\$43.74
5.6	11.2	\$6,123.43
0.3	0.6	\$328.04
42	84	\$45,925.74
0.08	0.16	\$87.48
11.2	22.4	\$12,246.86

Labor Rates:	
Management	65.71
Technical	48.75
Clerical	26.38

These rates were updated 2/4/19 to match the ra

0.02	0.04	\$21.87
2.8	5.6	\$3,061.72
0.2	0.4	\$218.69
0	0	\$0
8.8	17.6	\$9,622.54
1.8	3.6	\$1,968.25
1,920		\$91,000

subject to the rule over the next three
and 0 State/locally-owned HMIWI.

rent overhead expenses: Managerial
\$.38 (GS-6, Step 3, \$16.49 + 60%).
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irt HHH) (Renewal)

tes from the Office of Personnel Management (OPM), 2018 General Schedule.