

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

Burden item	(A) Person hours per occurrence	(B) No. of occurrences per respondent per year
1. Applications	N/A	
2. Survey and Studies	N/A	
3. Reporting Requirements (States)		
A. Familiarize with Regulatory Requirements ^c	1	1
B. Required activities ^d		
- Development of State Plan/Inventory	2,080	1
- Annual update of State Plan Inventory	20	1
- Public hearing on State Plan	8	1
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
- Certification that public hearing on State Plan conducted according to Subpart B State procedures	2	1
Subtotal for Reporting Requirements (States)		
4. Reporting requirements (privately-owned HMIWI)		
A. Familiarize with Regulatory Requirements ^c	1	1
B. Required activities ^e		
Installation of CMS	15	1
Performance specification tests for CMS	8	1
Repeat performance specification tests/CMS	8	1
Initial equipment inspection (small rural HMIWI)	20	1
Annual update of operating information ^f	20	1
Review operating information with each operator ^g	8	2
Annual equipment inspection (small rural HMIWI)	20	1
Annual equipment inspection (all other HMIWI)	20	1
C. Create information	See 4B	
Development of operating information ^h	160	1
D. Gather information	See 4B	
E. Write report ^e		
Increments of progress for HMIWI that will Comply		
Control plan	24	1
Notification of construction contracts	2	1
Notification of construction commencement	2	1
Notification of construction completion	2	1
Notification of control plan completion	2	1
Request for extension to shut down date	12	1

Notification of initial performance test	2	1
Notification of initial CMS demonstration	2	1
Waste management plan ⁱ	160	1
Report of initial performance test for PM, CO, Hg, dioxins/furans, and stack opacity (small rural HMIWI)	560	1
Report of initial performance test for PM, CO, HCl, dioxins/furans, metals, and stack opacity (small non-rural, medium, and large HMIWI)	640	1
Report of initial CMS demonstration	See 4B	
Annual report		
CMS operating parameters	32	1
Emissions/parameter exceedances and periods when emission/parameter data not obtained ^j		
- Small rural HMIWI	16	1
- All other HMIWI	64	1
Report of annual performance test		
- Small rural HMIWI	20	1
- All other HMIWI	280	1
Report of no exceedances		
- Small rural HMIWI	8	1
- All other HMIWI	32	1
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
Semiannual report of emissions/parameter exceedances and periods when emission/parameter data not obtained (small rural HMIWI) ^j	8	2
Subtotal for Reporting Requirements (Privately-owned HMIWI)		
5. Reporting requirements (Federally-owned HMIWI)		
A. Familiarize with Regulatory Requirements ^c	1	1
B. Required activities		
Annual update of operating information ^f	20	1
Review operating information with each operator ^g	8	2
Annual control equipment inspection	20	1
C. Create information	NA	
D. Gather existing information	See 5B	
E. Write report		
Annual report		
CMS operating parameters	32	1
Emissions/parameter exceedances and periods when emission/parameter data not obtained ^j	64	1
Report of annual performance test	40	1
Report of no exceedances	32	1
Report of annual equipment inspection	See 5B	
Semiannual report of emissions/parameter exceedances and periods when emission/parameter data not obtained ^j	32	2
Subtotal for Reporting Requirements (Federally-owned HMIWI)		
6. Reporting requirements (State/locally-owned HMIWI)		
A. Familiarize with Regulatory Requirements ^c	1	1
B. Required activities		
Annual update of operating information	20	1
Review operating information with each operator	8	2

Annual control equipment inspection	20	1
C. Create information	NA	
D. Gather existing information	See 6B	
E. Write report		
Annual report		
CMS operating parameters	32	1
Emissions/parameter exceedances and periods when emission/parameter data not obtained ^j	64	1
Report of annual performance test	40	1
Report of no exceedances ^j	32	1
Report of annual equipment inspection	See 6B	
Semiannual report of emissions/parameter exceedances and periods when emission/parameter data not obtained ^j	32	2
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	1	1
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
Notification of relative amounts of hospital waste, medical/infectious waste, and other fuels and wastes to be combusted (co-fired combustors only)	2	1
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
Records of persons reviewing operating information	2	2
Records of operators completing training requirements	2	1
Records of operators that have been qualified	2	1
Records of initial performance test	See 4E	
Records of process and control device operating parameters		
- Small rural HMIWI	0.5	52

- All other HMIWI	1.5	52
Records of CMS operation and maintenance		
- Small rural HMIWI	0.5	250
- All other HMIWI	1.5	250
Records of emissions/parameter exceedances and periods when emission/parameter data not obtained ^j		
- Small rural HMIWI	0.5	52
- All other HMIWI	1.5	52
Records of annual and subsequent compliance tests	See 4E	
Records of annual equipment inspection	See 4B	
F. Time to train personnel	40	1
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
Records of persons reviewing operating information	2	2
Records of operators completing training requirements	2	1
Records of operators that have been qualified	2	1
Records of initial performance test	See 5E	
Records of process and control device operating parameters	1.5	52
Records of CMS operation and maintenance	1.5	250
Records of emissions/parameter exceedances and periods when emission/parameter data not obtained ^j	1.5	52
Records of annual and subsequent compliance tests	See 5E	
Records of annual equipment inspection	See 5B	
F. Time to train personnel	40	1
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
Records of persons reviewing operating information r	2	2
Records of operators completing training requirements	2	1
Records of operators that have been qualified	2	1
Records of initial performance test	See 6E	
Records of process and control device operating parameters	1.5	52
Records of CMS operation and maintenance	1.5	250

Records of emissions/parameter exceedances and periods when emission/parameter data not obtained ^j	1.5	52
Records of annual and subsequent compliance tests	See 6E	
Records of annual equipment inspection	See 6B	
F. Time to train personnel	40	1
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
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
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 COST (ROUNDED) ^l		
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

Assumptions:

- ^a We have assumed that there are approximately 79 respondents, with no additional new or reconstructed sources becoming. The breakdown is as follows: 47 privately-owned HMIWI (including 2 small rural HMIWI), 6 Federally-owned HMIWI, and 6 Tribal-owned HMIWI.
- ^b This ICR uses the following labor rates for industry: \$129.93 per hour for Executive, Administrative, and Managerial labor.
- ^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 requirements may vary by state.
- ^e The zero value for number of respondents indicates that burden was incurred prior to the time period covered by this support.
- ^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 operated.
- ^l Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

ital/Medical/Infectious Waste Incinerators (40 CFR Part 60, Subpart Ce and 40 CFR Part 62, Subp

State 52.43 65.14 24.88
 Private 103.97 123.93 51.79

(C) Person hours per respondent per year (C=AxB)	(D) Respondents per year ^a	(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
1	22	22	1.1	2.2	\$2,537.60
2,080	0	0	0	0	\$0
20	22	440	22	44	\$50,752.02
8	0	0	0	0	\$0
8	0	0	0	0	\$0
2	0	0	0	0	\$0
			531		\$53,290
1	31	31	1.55	3.1	\$3,575.71
15	0	0	0	0	\$0
8	0	0	0	0	\$0
8	0	0	0	0	\$0
20	0	0	0	0	\$0
20	31	620	31	62	\$71,514.21
16	31	496	24.8	49.6	\$57,211.37
20	1	20	1	2	\$2,306.91
20	30	600	30	60	\$69,207.30
160	0	0	0	0	\$0
24	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
12	0	0	0	0	\$0

2	0	0	0	0	\$0
2	0	0	0	0	\$0
160	0	0	0	0	\$0
560	0	0	0	0	\$0
640	0	0	0	0	\$0
32	31	992	49.6	99.2	\$114,422.74
16	0.2	3.2	0.16	0.32	\$369.11
64	6	384	19.2	38.4	\$44,292.67
20	1	20	1	2	\$2,306.91
280	30	8,400	420	840	\$968,902.20
8	0.8	6.4	0.32	0.64	\$738.21
32	24	768	38.4	76.8	\$88,585.34
64	6	384	19.2	38.4	\$44,292.67
16	0.2	3.2	0.16	0.32	\$369.11
		14,637			\$1,468,094
1	5	5	0.25	0.5	\$576.73
20	5	100	5	10	\$11,534.55
16	5	80	4	8	\$9,227.64
20	5	100	5	10	\$11,534.55
32	5	160	8	16	\$18,455.28
64	1	64	3.2	6.4	\$7,382.11
40	5	200	10	20	\$23,069.10
32	4	128	6.4	12.8	\$14,764.22
64	1	64	3.2	6.4	\$7,382.11
		1,036			\$103,926
1	0	0	0	0	\$0
20	0	0	0	0	\$0.00
16	0	0	0	0	\$0.00

78	30	2,340	117.0	234	\$269,908.47
125	1	125	6.25	12.5	\$14,418.19
375	30	11,250	562.5	1,125.0	\$1,297,636.88
26	0.2	5.2	0.26	0.52	\$599.80
78	6	468	23.4	46.8	\$53,981.69
40	0	0	0	0	\$0
		19,270			\$1,932,752
78	5	390	19.5	39	\$44,984.75
4	5	20	1	2	\$2,306.91
2	0	0	0	0	\$0
2	0	0	0	0	\$0
78	5	390	19.5	39	\$44,984.75
375	5	1,875	93.75	187.5	\$216,272.81
78	1	78	3.9	7.8	\$8,996.95
40	0	0	0	0	\$0
		3,166			\$317,546
78	0	0	0	0	\$0.00
4	0	0	0	0	\$0.00
2	0	0	0	0	\$0
2	0	0	0	0	\$0
78	0	0	0	0	\$0.00
375	0	0	0	0	\$0.00

78	0	0	0	0	\$0.00
40	0	0	0	0	\$0
		0			\$0
8	13.4	107.2	5.36	10.72	\$12,365.04
8	5	40	2	4	\$4,613.82
		169			\$16,979
		16,220			\$1,626,856
		22,605			\$2,267,277
		38,800			\$3,890,000
					\$479,000
					\$4,370,000

281 hr/response

and in this ICR assume that the state and tribal plans mirror the federal Emission Guidelines.

and subject to the rule over the next three years.

and 4 State/locally-owned HMIWI, and 22 States that require annual State Plan Inventory.

labor; \$103.97 per hour for Technical labor, and \$51.79 per hour for Clerical labor. These rates are from the United States Department of Labor.

and is updated on an annual basis.

reporting statement or for new respondents.

owned by the private sector.

art HHH) (Renewal)

Department of Labor, Bureau of Labor Statistics, June 2014 "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 t

benefit packages available to those employed by private industry. In addition, this ICR uses the following labor rates for

State government: \$65.41 for Managerial labor; \$52.43 for Technical labor, and \$24.88 for Clerical labor. These rates ar

e from the United States Department of Labor, Bureau of Labor Statistics, May 2013 National Industry-Specifics Occupa

ational Employment and Wage Estimates for State government (NAICS code 999200). The rates have been increased by

60 percent to account for the benefit packages available to State government employees.

Table 2: Average Annual EPA Burden and Cost – State and Federal Emission Guidelines 1

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

- Small rural HMIWI	2	1	2	0.2
- All other HMIWI	8	1	8	7
Report of annual equipment inspection (Small rural HMIWI)	4	1	4	1
Report of annual control equipment inspection (All other HMIWI)	4	1	4	0
G. Review reports for States				
Review annual update of State Plan Inventory ^d	8	1	8	22
4. Prepare annual summary report ^e	1	1	1	36
TOTAL ANNUAL BURDEN AND COST (ROUNDED) ^f				

Assumptions:

- ^a We have assumed that there are approximately 57 respondents, with no additional new or reconstructed sources b
- ^b This cost is based on the following hourly labor rates times a 1.6 benefits multiplication factor to account for gov
- ^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 by the first year of this ICR. All States are expected to t
- ^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

for Hospital/Medical/Infectious Waste Incinerators (40 CFR Part 60, Subpart Ce and 40 CFR Pa

46.67 62.9 25.25

(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
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	0	0	\$0
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
0	0	0	\$0
2	0.1	0.2	\$104.68
210	10.5	21	\$10,991.40
0.8	0.04	0.08	\$41.87
112	5.6	11.2	\$5,862.08
6	0.3	0.6	\$314.04
840	42	84	\$43,965.60
1.6	0.08	0.16	\$83.74
224	11.2	22.4	\$11,724.16

0.4	0.02	0.04	\$20.94
56	2.8	5.6	\$2,931.04
4	0.2	0.4	\$209.36
0	0	0	\$0
176	8.8	17.6	\$9,211.84
36	1.8	3.6	\$1,884.24
1,920			\$87,000

becoming subject to the rule over the next three years. The 57 respondents are located in 22 States.

ernment overhead expenses: \$62.90 for Managerial (GS-13, Step 5, \$39.31 x 1.6), \$46.67 for Technical (GS-12, Step 1, \$2

update State Plan/Inventory annually.

art 62, Subpart HHH) (Renewal)

9.17 x 1.6) and \$25.25 Clerical (GS-6, Step 3, \$15.78 x 1.6). These rates are from the Office of Personnel Management

(OPM) "2014 General Schedule" which excludes locality rates of pay.