

Cost Factor (in 2008\$)	Reference/Note
<b>Advanced Combustion Controls (Linkageless Boiler Management System) -- cost is per boiler - TCI</b>	
\$ 19,127	LBMS costs are based on a 2008 quote provided to the U.S. Department of Energy. The installed cost for a LBMS on a 20 mmBtu/hr unit was are \$19,127. The DOE noted that costs are relatively fixed, regardless of the size of the unit.
<b>Activated Carbon Injection</b>	
Hospital/Medical/Infectious Waste Incinerators (HMIWI). [EPA-HQ-OAR-2006-0534]	Received spreadsheet of HMIWI model costs from Tom Holloway of RTI International.
<b>Fabric Filter</b>	
Hospital/Medical/Infectious Waste Incinerators (HMIWI). [EPA-HQ-OAR-2006-0534]	Received spreadsheet of HMIWI model costs from Tom Holloway of RTI International.
<b>Packed Scrubber</b>	
Hospital/Medical/Infectious Waste Incinerators (HMIWI). [EPA-HQ-OAR-2006-0534]	Received spreadsheet of HMIWI model costs from Tom Holloway of RTI International.
<b>Secondary Chamber/Afterburner Retrofit</b>	
Hospital/Medical/Infectious Waste Incinerators (HMIWI). [EPA-HQ-OAR-2006-0534]	Received spreadsheet of HMIWI model costs from Tom Holloway of RTI International.
<b>Selective Non-Catalytic Reduction</b>	
Hospital/Medical/Infectious Waste Incinerators (HMIWI). [EPA-HQ-OAR-2006-0534]	Received spreadsheet of HMIWI model costs from Tom Holloway of RTI International.
<b>Catalytic Oxidizer</b>	

Used catalytic oxidizer costing for all sizes, though some fell outside the appropriate size-range for the equation.

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**Year of Costs**



Assumed to represent \$2008, since that was the year the quote was obtained.



Originally \$2004



Originally \$2004



Originally \$2004



Originally \$2004



Originally \$2004



Originally \$2004

**Table 1.A - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Incineration**

For Existing Stationary Sources: Commercial and Industrial Solid Waste	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$100	1	1	3	3	0	0	0	\$123
B. Required Activities											
1) Initial stack test and report (PM, dioxins/furans, opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required))	Included in E.	varies	\$14,333	1	0	3	0	0	0	179	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and Fugitive Emissions)	Included in E.	182	\$14,533	1	0	0	0	0	0	0	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	0	\$0	1	64	3	192	10	19	0	\$7,860
b) Obtain operator qualification	72	0	\$0	1	72	3	216	11	22	0	\$8,843
c) Annual refresher course	12		\$0	1	12	0	0	0	0	0	\$0
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	0	0	0	0	0	\$0
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	3	120	6	12	0	\$4,913
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$8,000	1	17	3	51	3	5	0	\$2,088
b) Annual costs	17	0	\$39,500	1	17	3	51	3	5	0	\$2,088
C. Create Information	Included in 3.B										
D. Gather Information	Included in 3.E										
E. Report Preparation											
1) Notification of initial performance test											
a) Pollutants, fugitive ash emissions	2	0	\$0	1	2	3	6	0	1	0	\$246
b) Fugitive Ash Emissions	1	0	\$0	1	1	3	3	0	0	0	\$123
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	3	6	0	1	0	\$246
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	0	\$7.50	1	8	3	24	1	2	0	\$983
b) Fugitive Ash Emissions	2	0	\$0	1	2	3	6	0	1	0	\$246
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	3	480	24	48	0	\$19,651
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	0	\$0	1	6	0	0	0	0	0	\$0
b) With site specific parameter petition	14	0	\$0	1	14	0	0	0	0	0	\$0

**Table 1.A - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Incineration**

For Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Incineration	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating parameters	Included in 3.B	0	\$0	1	#VALUE!	0	0	0	0	0	\$0
9) Waste management plan	160	0	\$0	1	160	3	480	24	48	0	\$19,651
10) Annual Report:											
a) Results of performance tests conducted during the year	40	0	\$7.50	1	40	0	0	0	0	0	\$0
11) Status report for operators that are off-site for more than 2 weeks	8	0	\$0	1	8	0.3	2	0	0	0	\$98
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	0.3	5	0	0	0	\$197
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	0.3	7	0	1	0	\$295
<b>Reporting Subtotal</b>							1,652	83	165	179	\$67,648
<b>4. Recordkeeping Requirements</b>											
A. Read Instructions	Included in 3.A										
B. Plan Activities	Not applicable										
C. Implement Activities	Not applicable										
D. Develop Record System	Not applicable										
E. Record Information											
1) Records of operating parameters	Included in 3.B.5.	0	\$0	52	0	0	0	0	0	0	\$0
2) Records of periods for which minimum amount of data on operating parameters were not obtained	0.5	0	\$0	52	26	0	0	0	0	0	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	0.3	0	0	0	0	\$18
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
7) Records of persons who have reviewed operating procedures	1	0	\$0	1	1	0	0	0	0	0	\$0
8) Records of persons who have completed operator training	1	0	\$0	1	1	0	0	0	0	0	\$0
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	0	0	0	0	0	\$0
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	0	0	0	0	0	\$0

**Table 1.A - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Incineration**

For Existing Stationary Sources: Commercial and Industrial Solid Waste	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
<i>Recordkeeping Subtotal</i>							0.45	0.0225	0.045	0	\$18
<b>TOTAL:</b>							1,653	83	165	179	\$67,666
							<b>Total Hours</b>	<b>Labor</b>	<b>Non-Labor</b>	<b>Total</b>	
							Summary of Respondent Burden	1,901	\$67,666	\$90,824	\$158,490
							Annualized Capital and Startup			\$51,299	\$51,299
							O & M Summary			\$39,500	\$39,500

**FOOTNOTES**

- <sup>a</sup> Based on the total number of existing units expected to continue operating once the guidelines become effective.
- <sup>b</sup> Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.
- <sup>c</sup> One-time only costs.
- <sup>d</sup> Cost incurred by a facility regardless of the number of affected units at the plant.
- <sup>e</sup> Annual cost. Annual costs are not incurred until the second year of operation.
- <sup>f</sup> Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- <sup>g</sup> Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- <sup>h</sup> Assumed that one-third of the facilities will petition for site-specific parameters.
- <sup>i</sup> Assumed that 10 percent of the facilities would not have a qualified operator available for more than two weeks at least once a year. Assumed that this required only two corrective action summaries.
- <sup>j</sup> Assumed that 10 percent of the facilities would have an exceedance during the year.
- <sup>k</sup> Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- <sup>l</sup> Assumed \$100 for purchase of filing cabinet to house copy of rule, records and report copies.

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Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$300	3	c, d, l
\$42,999	3	c
\$0	0	e
\$0	3	c
\$0	3	c
\$0	0	e
\$0	0	e
\$0	3	c
\$8,000	3	c, f
\$39,500	3	e, g
\$0	3	
\$0	3	
\$0	3	
\$23	3	
\$0	3	
\$0	3	c
\$0	0	c, h
\$0	0	c, h



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Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c
\$0	3	c
\$0	0	
\$0	0	i
\$0	1	i
\$2	0	j
	43	
\$0	0	
\$0	0	k
\$0	0	k
\$0	0	j
\$0	0	
\$0	0	
\$0	0	
\$0	0	

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Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0.3	
\$90,824	44	

**Table 1.B - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Incineration**

for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units (H) (H) Total Labor Costs	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$0	1	1	0	0	0	0	0	\$0
B. Required Activities											
1) Initial stack test and report (PM, dioxins/furans, opacity, HCL, Cd, Pb, Hg, CO, NOx, and SO2 (as required))	Included in E.	varies	\$0	1	0	0	0	0	0	0	\$0
2) Annual stack test and test report (PM, HCL, Opacity, and Fugitive Ash)	Included in E.	182	\$14,533	1	0	3	0	0	0	545	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	0	\$0	1	64	0	0	0	0	0	\$0
b) Obtain operator qualification	72	0	\$0	1	72	0	0	0	0	0	\$0
c) Annual refresher course	12		\$0	1	12	3	36	2	4	0	\$1,474
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	3	24	1	2	0	\$983
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	0	0	0	0	0	\$0
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$8,000	1	17	0	0	0	0	0	\$0
b) Annual costs	17	0	\$47,500	1	17	3	51	3	5	0	\$2,088
C. Create Information	Included in 3.B										
D. Gather Information	Included in 3.E										
E. Report Preparation											
1) Notification of initial performance test											
a) Pollutants, fugitive ash emissions	2	0	\$0	1	2	0	0	0	0	0	\$0
b) Fugitive Ash Emissions	1	0	\$0	1	1	0	0	0	0	0	\$0
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	0	0	0	0	0	\$0
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	0	\$7.50	1	8	0	0	0	0	0	\$0
b) Fugitive Ash Emissions	2	0	\$0	1	2	0	0	0	0	0	\$0
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	0	0	0	0	0	\$0

**Table 1.B - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Incinerat**

Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	0	\$0	1	6	0	0	0	0	0	\$0
b) With site specific parameter petition	14	0	\$0	1	14	0	0	0	0	0	\$0
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating parameters	Included in 3.B	0	\$0	1	#VALUE!	0	0	0	0	0	\$0
9) Waste management plan	160	0	\$0	1	160	0	0	0	0	0	\$0
10) Annual Report:											
a) Results of performance tests conducted during the year	40	0	\$7.50	1	40	3	120	6	12	0	\$4,913
11) Status report for operators that are off-site for more than 2 weeks	8	0	\$0	1	8	0.3	2	0	0	0	\$98
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	0.3	5	0	0	0	\$197
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	0.3	7	0	1	0	\$295
<b>Reporting Subtotal</b>							245	12	25	545	\$10,046
<b>4. Recordkeeping Requirements</b>											
A. Read Instructions	Included in 3.A										
B. Plan Activities	Not applicable										
C. Implement Activities	Not applicable										
D. Develop Record System	Not applicable										
E. Record Information											
1) Records of operating parameters	Included in 3.B.5.b	0	\$0	52	0	0	0	0	0	0	\$0
2) Records of periods for which minimum amount of data on operating parameters were not obtained	0.5	0	\$0	52	26	0	0	0	0	0	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	0.3	0	0	0	0	\$18
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
7) Records of persons who have reviewed operating procedures	1	0	\$0	1	1	3	3	0	0	0	\$123
8) Records of persons who have completed operator training	1	0	\$0	1	1	3	3	0	0	0	\$123
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	3	3	0	0	0	\$123
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	3	72	4	7	0	\$2,948

**Table 1.B - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Incineration**

for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units (H) (H) Total Labor Costs	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)	
Burden Item												
F. Personnel Training	Included in 3.B											
G. Time for Audits	Not applicable											
<i>Recordkeeping Subtotal</i>							81.45	4.0725	8.145	0	\$3,334	
<b>TOTAL:</b>							327	16	33	545	\$13,381	
								<b>Total Hours</b>	<b>Labor</b>	<b>Non-Labor</b>	<b>Total</b>	
								Summary of Respondent Burden	376	\$13,381	\$99,125	\$112,506
								Annualized Capital and Startup			\$8,000	\$8,000
								O & M Summary			\$47,500	\$47,500

FOOTNOTES

- <sup>a</sup> Based on the total number of existing units expected to continue operating once the guidelines become effective.
- <sup>b</sup> Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.
- <sup>c</sup> One-time only costs.
- <sup>d</sup> Cost incurred by a facility regardless of the number of affected units at the plant.
- <sup>e</sup> Annual cost. Annual costs are not incurred until the second year of operation.
- <sup>f</sup> Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- <sup>g</sup> Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- <sup>h</sup> Assumed that one-third of the facilities will petition for site-specific parameters.
- <sup>i</sup> Assumed that 10 percent of the facilities would not have a qualified operator available for more than two weeks at least once a year. Assumed that this required only two corrective action summaries.
- <sup>j</sup> Assumed that 10 percent of the facilities would have an exceedance during the year.
- <sup>k</sup> Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- <sup>l</sup> Assumed \$100 for purchase of filing cabinet to house copy of rule, records and report copies.

ors

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c, d, l
\$0	0	c
\$43,600	3	e
\$0	0	c
\$0	0	c
\$0	3	e
\$0	3	e
\$0	0	c
\$8,000	0	c, f
\$47,500	3	e, g
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	c

ors

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c, h
\$0	0	c, h
\$0	0	c
\$0	0	c
\$23	3	
\$0	0	i
\$0	1	i
\$2	0	j
	16	
\$0	0	
\$0	0	k
\$0	0	k
\$0	0	j
\$0	3	
\$0	3	
\$0	3	
\$0	3	

**ors**

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	12.3	
\$99,125	29	



**Table 1.C - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 3, Incineration**

(H) Total Labor Costs Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours @\$22.32 (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$0	1	1	0	0	0	0	0	\$0
B. Required Activities											
1) Initial stack test and report (PM, dioxins/furans, opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required))	Included in E.	varies	\$0	1	0	0	0	0	0	0	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and SO2)	Included in E.	182	\$14,533	1	0	3	0	0	0	545	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	0	\$0	1	64	0	0	0	0	0	\$0
b) Obtain operator qualification	72	0	\$0	1	72	0	0	0	0	0	\$0
c) Annual refresher course	12	0	\$0	1	12	3	36	2	4	0	\$1,474
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	3	24	1	2	0	\$983
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	0	0	0	0	0	\$0
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$8,000	1	17	0	0	0	0	0	\$0
b) Annual costs	17	0	\$47,500	1	17	3	51	3	5	0	\$2,088
C. Create Information	Included in 3.B										
D. Gather Information	Included in 3.E										
E. Report Preparation											
1) Notification of initial performance test											
a) Pollutants, fugitive ash emissions	2	0	\$0	1	2	0	0	0	0	0	\$0
b) Fugitive Ash Emissions	1	0	\$0	1	1	0	0	0	0	0	\$0
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	0	0	0	0	0	\$0
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	0	\$7.50	1	8	0	0	0	0	0	\$0
b) Fugitive Ash Emissions	2	0	\$0	1	2	0	0	0	0	0	\$0

**Table 1.C - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 3, Incineration**

(H) (H) Total Labor Costs	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours @\$22.32 (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	0	0	0	0	0	\$0
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	0	\$0	1	6	0	0	0	0	0	\$0
b) With site specific parameter petition	14	0	\$0	1	14	0	0	0	0	0	\$0
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating parameters	Included in 3.B.1	0	\$0	1	0	0	0	0	0	0	\$0
9) Waste management plan	160	0	\$0	1	160	0	0	0	0	0	\$0
10) Annual Report:											
a) Results of performance tests conducted during the year	40	0	\$7.50	1	40	3	120	6	12	0	\$4,913
11) Status report for operators that are off-site for more than 2 weeks	8	0	\$0	1	8	0.3	2	0	0	0	\$98
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	0.3	5	0	0	0	\$197
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	0.3	7	0	1	0	\$295
<b>Reporting Subtotal</b>							245	12	25	545	\$10,046
<b>4. Recordkeeping Requirements</b>											
A. Read Instructions	Included in 3.A										
B. Plan Activities	Not applicable										
C. Implement Activities	Not applicable										
D. Develop Record System	Not applicable										
E. Record Information											
1) Records of operating parameters	Included in 3.B.5	0	\$0	52	0	0	0	0	0	0	\$0
2) Records of periods for which minimum amount of data on operating parameters were not obtained	0.5	0	\$0	52	26	0	0	0	0	0	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	0.3	0	0	0	0	\$18
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
7) Records of persons who have reviewed operating procedures	1	0	\$0	1	1	3	3	0	0	0	\$123
8) Records of persons who have completed operator training	1	0	\$0	1	1	3	3	0	0	0	\$123
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	3	3	0	0	0	\$123
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	3	72	4	7	0	\$2,948
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
<b>Recordkeeping Subtotal</b>							81.45	4.0725	8.145	0	\$3,334

**Table 1.C - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 3, Incineration**

(H) (H) Total Labor Costs	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours @\$22.32 (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)	
	Burden Item						327	16	33	545	\$13,381	
<b>TOTAL:</b>												
							Total Hours					
									Labor		Non-Labor	Total
									\$376	\$13,381	\$99,125	\$112,506
											\$8,000	\$8,000
											\$47,500	\$47,500

**FOOTNOTES**

- <sup>a</sup> Based on the total number of existing units expected to continue operating once the guidelines become effective.
- <sup>b</sup> Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.
- <sup>c</sup> One-time only costs.
- <sup>d</sup> Cost incurred by a facility regardless of the number of affected units at the plant.
- <sup>e</sup> Annual cost. Annual costs are not incurred until the second year of operation.
- <sup>f</sup> Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- <sup>g</sup> Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- <sup>h</sup> Assumed that one-third of the facilities will petition for site-specific parameters.
- <sup>i</sup> Assumed that 10 percent of the facilities would not have a qualified operator available for more than two weeks at least once a year. Assumed that this required only two corrective action summaries.
- <sup>j</sup> Assumed that 10 percent of the facilities would have an exceedance during the year.
- <sup>k</sup> Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- <sup>l</sup> Assumed \$100 for purchase of filing cabinet to house copy of rule, records and report copies.

ors

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c, d, l
\$0	0	c
\$43,600	3	e
\$0	0	c
\$0	0	c
\$0	3	e
\$0	3	e
\$0	0	c
\$8,000	0	c, f
\$47,500	3	e, g
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	

ors

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c
\$0	0	c, h
\$0	0	c, h
\$0	0	c
\$0	0	c
\$23	3	
\$0	0	i
\$0	1	i
\$2	0	j
	16	
\$0	0	
\$0	0	k
\$0	0	k
\$0	0	j
\$0	3	
\$0	3	
\$0	3	
\$0	3	
\$0	12.3	

ors

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$99,125	29	

**Table 1.D - Summary of Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD, Incinerators**

Year	Technical Hours	Management Hours	Clerical Hours	Total Hours	Testing Contractor Hours <sup>a</sup>	Labor Costs	Non-Labor (O&M) Costs	Total Costs
1	1,653	83	165	1,901	179	\$67,666	\$90,824	\$158,490
2	327	16	33	376	545	\$13,381	\$99,125	\$112,506
3	327	16	33	376	545	\$13,381	\$99,125	\$112,506
Total	2,307	115	231	2,653	1,269	\$94,428	\$289,073	\$383,502
Average	769	38	77	884	423	\$31,476	\$96,358	\$127,834

**Table 2.A - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines  
for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Energy Recovery Uni**

for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units (H) (H) Total Labor Costs	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$100	1	1	20	20	1	2	0	\$819
B. Required Activities											
1) Initial stack test and report (PM, dioxins/furans, opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required))	Included in E.	varies	\$23,280	1	0	31	0	0	0	291	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and Fugitive Emissions)	Included in E.	182	\$14,533	1	0	0	0	0	0	0	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	0	\$0	1	64	20	1,280	64	128	0	\$52,402
b) Obtain operator qualification	72	0	\$0	1	72	20	1,440	72	144	0	\$58,952
c) Annual refresher course	12		\$0	1	12	0	0	0	0	0	\$0
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	0	0	0	0	0	\$0
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	31	1,240	62	124	0	\$50,765
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$16,708	1	17	31	527	26	53	0	\$21,575
b) Annual costs	17	0	\$31,778	1	17	31	527	26	53	0	\$21,575
C. Create Information	Included in 3.B										
D. Gather Information	Included in 3.E										
E. Report Preparation											
1) Notification of initial performance test											
a) Pollutants, fugitive ash emissions	2	0	\$0	1	2	31	62	3	6	0	\$2,538
b) Fugitive Ash Emissions	1	0	\$0	1	1	31	31	2	3	0	\$1,269
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	20	40	2	4	0	\$1,638
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	0	\$7.50	1	8	31	248	12	25	0	\$10,153
b) Fugitive Ash Emissions	2	0	\$0	1	2	31	62	3	6	0	\$2,538
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	20	3,200	160	320	0	\$131,005



**Table 2.A - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Energy Recovery Uni**

for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Energy Recovery Units	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	0	\$0	1	6	13	78	4	8	0	\$3,193
b) With site specific parameter petition	14	0	\$0	1	14	7	98	5	10	0	\$4,012
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating parameters	Included in 3.B	0	\$0	1	0	0	0	0	0	0	\$0
9) Waste management plan	160	0	\$0	1	160	20	3,200	160	320	0	\$131,005
10) Annual Report:											
a) Results of performance tests conducted during the year	40	0	\$7.50	1	40	0	0	0	0	0	\$0
11) Status report for operators that are off-site for more than 2 weeks	8	0	\$0	1	8	2	16	1	2	0	\$655
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	2	32	2	3	0	\$1,310
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	2	48	2	5	0	\$1,965
<b>Reporting Subtotal</b>							<b>12,149</b>	<b>607</b>	<b>1,215</b>	<b>291</b>	<b>\$497,370</b>
<b>4. Recordkeeping Requirements</b>											
A. Read Instructions	Included in 3.A										
B. Plan Activities	Not applicable										
C. Implement Activities	Not applicable										
D. Develop Record System	Not applicable										
E. Record Information											
1) Records of operating parameters	Included in 3.B.5.	0	\$0	52	0	0	0	0	0	0	\$0
2) Records of periods for which minimum amount of data on operating parameters were not obtained	0.5	0	\$0	52	26	0	0	0	0	0	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	2	3	0	0	0	\$123
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
7) Records of persons who have reviewed operating procedures	1	0	\$0	1	1	0	0	0	0	0	\$0
8) Records of persons who have completed operator training	1	0	\$0	1	1	0	0	0	0	0	\$0
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	0	0	0	0	0	\$0
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	0	0	0	0	0	\$0

**Table 2.A - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Energy Recovery Units**

for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Energy Recovery Units	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)	
Burden Item												
F. Personnel Training	Included in 3.B											
G. Time for Audits	Not applicable											
<i>Recordkeeping Subtotal</i>							3	0.15	0.3	0	\$123	
<b>TOTAL:</b>							12,152	608	1,215	291	\$497,493	
								<b>Total Hours</b>	<b>Labor</b>	<b>Non-Labor</b>	<b>Total</b>	
								Summary of Respondent Burden	13,975	\$497,493	\$2,226,966	\$2,724,459
								Annualized Capital and Startup			\$1,241,611	\$1,241,611
								O & M Summary			\$985,108	\$985,108

FOOTNOTES

- <sup>a</sup> Based on the total number of existing units expected to continue operating once the guidelines become effective.
- <sup>b</sup> Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.
- <sup>c</sup> One-time only costs.
- <sup>d</sup> Cost incurred by a facility regardless of the number of affected units at the plant.
- <sup>e</sup> Annual cost. Annual costs are not incurred until the second year of operation.
- <sup>f</sup> Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- <sup>g</sup> Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- <sup>h</sup> Assumed that one-third of the facilities will petition for site-specific parameters.
- <sup>i</sup> Assumed that 10 percent of the facilities would not have a qualified operator available for more than two weeks at least once a year. Assumed that this required only two corrective action summaries.
- <sup>j</sup> Assumed that 10 percent of the facilities would have an exceedance during the year.
- <sup>k</sup> Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- <sup>l</sup> Assumed \$100 for purchase of filing cabinet to house copy of rule, records and report copies.

**its (Solids)**

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$2,000	20	c, d, l
\$721,667	31	c
\$0	0	e
\$0	20	c
\$0	20	c
\$0	0	e
\$0	0	e
\$0	31	c
\$517,944	31	c, f
\$985,108	31	e, g
\$0	31	
\$0	31	
\$0	20	
\$233	31	
\$0	31	
\$0	20	c

its (Solids)

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	13	c, h
\$0	7	c, h
\$0	0	c
\$0	20	c
\$0	0	
\$0	2	i
\$0	4	i
\$15	2	j
	396	
\$0	0	
\$0	0	k
\$0	0	k
\$0	2	j
\$0	0	
\$0	0	
\$0	0	
\$0	0	

**its (Solids)**

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	2	
\$2,226,966	398	

**Table 2.B - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Energy Recovery Units**

For Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Energy Recovery Units	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year  (CXD)	(F) Management Hours Per Year  (E x 0.05)	(G) Clerical Hours Per Year  (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$0	1	1	0	0	0	0	0	\$0
B. Required Activities											
1) Initial stack test and report (PM, dioxins/furans, opacity, HCL, Cd, Pb, Hg, CO, NOx, and SO2 (as required))	Included in E.	varies	\$23,280	1	0	0	0	0	0	291	\$0
2) Annual stack test and test report (PM, HCL, Opacity, and SO2)	Included in E.	182	\$14,533	1	0	31	0	0	0	5,632	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	0	\$0	1	64	0	0	0	0	0	\$0
b) Obtain operator qualification	72	0	\$0	1	72	0	0	0	0	0	\$0
c) Annual refresher course	12		\$0	1	12	20	240	12	24	0	\$9,825
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	20	160	8	16	0	\$6,550
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	0	0	0	0	0	\$0
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$0	1	17	0	0	0	0	0	\$0
b) Annual costs	17	0	\$31,778	1	17	0	0	0	0	0	\$0
C. Create Information	Included in 3.B										
D. Gather Information	Included in 3.E										
E. Report Preparation											
1) Notification of initial performance test											
a) Pollutants, fugitive ash emissions	2	0	\$0	1	2	0	0	0	0	0	\$0
b) Fugitive Ash Emissions	1	0	\$0	1	1	0	0	0	0	0	\$0
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	0	0	0	0	0	\$0
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	0	\$7.50	1	8	0	0	0	0	0	\$0
b) Fugitive Ash Emissions	2	0	\$0	1	2	0	0	0	0	0	\$0

**Table 2.B - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Energy Recovery Unit**

For Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Energy Recovery Unit	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	0	0	0	0	0	\$0
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	0	\$0	1	6	0	0	0	0	0	\$0
b) With site specific parameter petition	14	0	\$0	1	14	0	0	0	0	0	\$0
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating parameters	Included in 3.B.1	0	\$0	1	0	0	0	0	0	0	\$0
9) Waste management plan	160	0	\$0	1	160	0	0	0	0	0	\$0
10) Annual Report:											
a) Results of performance tests conducted during the year	40	0	\$7.50	1	40	31	1,240	62	124	0	\$50,765
11) Status report for operators that are off-site for more than 2 weeks	8	0	\$0	1	8	2	16	1	2	0	\$655
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	2	32	2	3	0	\$1,310
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	2	48	2	5	0	\$1,965
<b>Reporting Subtotal</b>							1,736	87	174	5,923	\$71,070
<b>4. Recordkeeping Requirements</b>											
A. Read Instructions	Included in 3.A										
B. Plan Activities	Not applicable										
C. Implement Activities	Not applicable										
D. Develop Record System	Not applicable										
E. Record Information											
1) Records of operating parameters	Included in 3.B.5	0	\$0	52	0	0	0	0	0	0	\$0
2) Records of periods for which minimum amount of data on operating parameters were not obtained	0.5	0	\$0	52	26	0	0	0	0	0	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	2	3	0	0	0	\$123
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
7) Records of persons who have reviewed operating procedures	1	0	\$0	1	1	20	20	1	2	0	\$819
8) Records of persons who have completed operator training	1	0	\$0	1	1	20	20	1	2	0	\$819
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	20	20	1	2	0	\$819
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	20	480	24	48	0	\$19,651
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
<b>Recordkeeping Subtotal</b>							543	27.15	54.3	0	\$22,230
<b>TOTAL:</b>							2,279	114	228	5,923	\$93,300

**Table 2.B - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Energy Recovery Units**

For Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (d)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
Summary of Respondent Burden							2,621	\$93,300	\$1,715,189	\$1,808,489	
Annualized Capital and Startup									\$279,300	\$279,300	
O & M Summary									\$985,108	\$985,108	

FOOTNOTES

- <sup>a</sup>Based on the total number of existing units expected to continue operating once the guidelines become effective.
- <sup>b</sup>Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.
- <sup>c</sup>One-time only costs.
- <sup>d</sup>Cost incurred by a facility regardless of the number of affected units at the plant.
- <sup>e</sup>Annual cost. Annual costs are not incurred until the second year of operation.
- <sup>f</sup>Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- <sup>g</sup>Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- <sup>h</sup>Assumed that one-third of the facilities will petition for site-specific parameters.
- <sup>i</sup>Assumed that 10 percent of the facilities would not have a qualified operator available for more than two weeks at least once a year. Assumed that this required only two corrective action summaries.
- <sup>j</sup>Assumed that 10 percent of the facilities would have an exceedance during the year.
- <sup>k</sup>Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- <sup>l</sup>Assumed \$100 for purchase of filing cabinet to house copy of rule, records and report copies.



its (Solids)

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c, d, l
\$0	0	c
\$450,533	31	e
\$0	0	c
\$0	0	c
\$0	20	e
\$0	20	e
\$0	0	c
\$279,300	0	c, f
\$985,108	0	e, g
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	

its (Solids)

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c
\$0	0	c, h
\$0	0	c, h
\$0	0	c
\$0	0	c
\$233	31	
\$0	2	i
\$0	4	i
\$15	2	j
	110	
\$0	0	
\$0	0	k
\$0	0	k
\$0	2	j
\$0	20	
\$0	20	
\$0	20	
\$0	20	
\$0	82	
\$1,715,189	192	

**its (Solids)**

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes

**Table 2.C - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 3, Energy Recovery Units**

For Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 3, Energy Recovery Units	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (d)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$0	1	1	0	0	0	0	0	\$0
B. Required Activities											
1) Initial stack test and report (PM, dioxins/furans, opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required))	Included in E.	varies	\$23,280	1	0	0	0	0	0	291	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and SO2)	Included in E.	182	\$14,533	1	0	31	0	0	0	5,632	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	0	\$0	1	64	0	0	0	0	0	\$0
b) Obtain operator qualification	72	0	\$0	1	72	0	0	0	0	0	\$0
c) Annual refresher course	12		\$0	1	12	20	240	12	24	0	\$9,825
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	20	160	8	16	0	\$6,550
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	0	0	0	0	0	\$0
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$0	1	17	0	0	0	0	0	\$0
b) Annual costs	17	0	\$31,778	1	17	0	0	0	0	0	\$0
C. Create Information	Included in 3.B										
D. Gather Information	Included in 3.E										
E. Report Preparation											
1) Notification of initial performance test											
a) Pollutants, fugitive ash emissions	2	0	\$0	1	2	0	0	0	0	0	\$0
b) Fugitive Ash Emissions	1	0	\$0	1	1	0	0	0	0	0	\$0
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	0	0	0	0	0	\$0
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	0	\$7.50	1	8	0	0	0	0	0	\$0
b) Fugitive Ash Emissions	2	0	\$0	1	2	0	0	0	0	0	\$0

**Table 2.C - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 3, Energy Recovery Unit**

For Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 3, Energy Recovery Unit	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	0	0	0	0	0	\$0
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	0	\$0	1	6	0	0	0	0	0	\$0
b) With site specific parameter petition	14	0	\$0	1	14	0	0	0	0	0	\$0
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating parameters	Included in 3.B.1	0	\$0	1	0	0	0	0	0	0	\$0
9) Waste management plan	160	0	\$0	1	160	0	0	0	0	0	\$0
10) Annual Report:											
a) Results of performance tests conducted during the year	40	0	\$7.50	1	40	31	1,240	62	124	0	\$50,765
11) Status report for operators that are off-site for more than 2 weeks	8	0	\$0	1	8	2	16	1	2	0	\$655
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	2	32	2	3	0	\$1,310
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	2	48	2	5	0	\$1,965
<b>Reporting Subtotal</b>							1,736	87	174	5,923	\$71,070
<b>4. Recordkeeping Requirements</b>											
A. Read Instructions	Included in 3.A										
B. Plan Activities	Not applicable										
C. Implement Activities	Not applicable										
D. Develop Record System	Not applicable										
E. Record Information											
1) Records of operating parameters	Included in 3.B.5	0	\$0	52	0	0	0	0	0	0	\$0
2) Records of periods for which minimum amount of data on operating parameters were not obtained	0.5	0	\$0	52	26	0	0	0	0	0	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	2	3	0	0	0	\$123
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
7) Records of persons who have reviewed operating procedures	1	0	\$0	1	1	20	20	1	2	0	\$819
8) Records of persons who have completed operator training	1	0	\$0	1	1	20	20	1	2	0	\$819
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	20	20	1	2	0	\$819
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	20	480	24	48	0	\$19,651
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
<b>Recordkeeping Subtotal</b>							543	27.15	54.3	0	\$22,230
<b>TOTAL:</b>							2,279	114	228	5,923	\$93,300

**Table 2.C - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 3, Energy Recovery Units**

For Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 3, Energy Recovery Units	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
Summary of Respondent Burden								2,621	\$93,300	\$1,715,189	\$1,808,489
Annualized Capital and Startup										\$279,300	\$279,300
O & M Summary										\$985,108	\$985,108

FOOTNOTES

- <sup>a</sup>Based on the total number of existing units expected to continue operating once the guidelines become effective.
- <sup>b</sup>Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.
- <sup>c</sup>One-time only costs.
- <sup>d</sup>Cost incurred by a facility regardless of the number of affected units at the plant.
- <sup>e</sup>Annual cost. Annual costs are not incurred until the second year of operation.
- <sup>f</sup>Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- <sup>g</sup>Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- <sup>h</sup>Assumed that one-third of the facilities will petition for site-specific parameters.
- <sup>i</sup>Assumed that 10 percent of the facilities would not have a qualified operator available for more than two weeks at least once a year. Assumed that this required only two corrective action summaries.
- <sup>j</sup>Assumed that 10 percent of the facilities would have an exceedance during the year.
- <sup>k</sup>Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- <sup>l</sup>Assumed \$100 for purchase of filing cabinet to house copy of rule, records and report copies.

its (Solids)

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c, d, l
\$0	0	c
\$450,533	31	e
\$0	0	c
\$0	0	c
\$0	20	e
\$0	20	e
\$0	0	c
\$279,300	0	c, f
\$985,108	0	e, g
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	

its (Solids)

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c
\$0	0	c, h
\$0	0	c, h
\$0	0	c
\$0	0	c
\$233	31	
\$0	2	i
\$0	4	i
\$15	2	j
	110	
\$0	0	
\$0	0	k
\$0	0	k
\$0	2	j
\$0	20	
\$0	20	
\$0	20	
\$0	20	
\$0	82	
\$1,715,189	192	



**its (Solids)**

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes

**Table 2.D - Summary of Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD, Energy Recovery Units (Solids)**

Year	Technical Hours	Management Hours	Clerical Hours	Total Hours	Testing Contractor Hours <sup>a</sup>	Labor Costs	Non-Labor (O&M) Costs	Total Costs
1	12,152	608	1,215	13,975	291	\$497,493	\$2,226,966	\$2,724,459
2	2,279	114	228	2,621	5,923	\$93,300	\$1,715,189	\$1,808,489
3	2,279	114	228	2,621	5,923	\$93,300	\$1,715,189	\$1,808,489
Total	16,710	836	1,671	19,217	12,136	\$684,094	\$5,657,344	\$6,341,438
Average	5,570	279	557	6,406	4,045	\$228,031	\$1,885,781	\$2,113,813

**Table 3.A - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines  
for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Small Remote Inc:**

for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Small Remote Inc:	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$100	1	1	16	16	1	2	0	\$655
B. Required Activities											
1) Initial stack test and report (PM, dioxins/furans, opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required))	Included in E.	varies	\$21,377	1	0	19	0	0	0	267	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and Fu	Included in E.	182	\$14,533	1	0	0	0	0	0	0	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	0	\$0	1	64	16	1,024	51	102	0	\$41,922
b) Obtain operator qualification	72	0	\$0	1	72	16	1,152	58	115	0	\$47,162
c) Annual refresher course	12		\$0	1	12	0	0	0	0	0	\$0
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	0	0	0	0	0	\$0
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	19	760	38	76	0	\$31,114
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$368	1	17	19	323	16	32	0	\$13,223
b) Annual costs	17	0	\$1,242	1	17	19	323	16	32	0	\$13,223
C. Create Information	Included in 3.B										
D. Gather Information	Included in 3.E										
E. Report Preparation											
1) Notification of initial performance test											
a) Pollutants, fugitive ash emissions	2	0	\$0	1	2	19	38	2	4	0	\$1,556
b) Fugitive Ash Emissions	1	0	\$0	1	1	19	19	1	2	0	\$778
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	16	32	2	3	0	\$1,310
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	0	\$7.50	1	8	19	152	8	15	0	\$6,223
b) Fugitive Ash Emissions	2	0	\$0	1	2	19	38	2	4	0	\$1,556
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	16	2,560	128	256	0	\$104,804

**Table 3.A - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Small Remote Inc:**

for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Small Remote Inc:	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	0	\$0	1	6	10	60	3	6	0	\$2,456
b) With site specific parameter petition	14	0	\$0	1	14	6	84	4	8	0	\$3,439
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating parameters	Included in 3.B	0	\$0	1	0	0	0	0	0	0	\$0
9) Waste management plan	160	0	\$0	1	160	16	2,560	128	256	0	\$104,804
10) Annual Report:											
a) Results of performance tests conducted during the year	40	0	\$7.50	1	40	0	0	0	0	0	\$0
11) Status report for operators that are off-site for more than 2 weeks	8	0	\$0	1	8	2	16	1	2	0	\$655
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	2	32	2	3	0	\$1,310
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	2	48	2	5	0	\$1,965
<b>Reporting Subtotal</b>							9,237	462	924	267	\$378,155
4. Recordkeeping Requirements											
A. Read Instructions	Included in 3.A										
B. Plan Activities	Not applicable										
C. Implement Activities	Not applicable										
D. Develop Record System	Not applicable										
E. Record Information											
1) Records of operating parameters	Included in 3.B.5.b	0	\$0	52	0	0	0	0	0	0	\$0
2) Records of periods for which minimum amount of data on operating parameters were not obtained	0.5	0	\$0	52	26	0	0	0	0	0	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	2	3	0	0	0	\$123
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
7) Records of persons who have reviewed operating procedures	1	0	\$0	1	1	0	0	0	0	0	\$0
8) Records of persons who have completed operator training	1	0	\$0	1	1	0	0	0	0	0	\$0
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	0	0	0	0	0	\$0
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	0	0	0	0	0	\$0

**Table 3.A - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Small Remote Inc:**

for for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Small Remote Inc:	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
<i>Recordkeeping Subtotal</i>							3	0.15	0.3	0	\$123
<b>TOTAL:</b>							9,240	462	924	267	\$378,278
							<b>Total Hours</b>	<b>Labor</b>	<b>Non-Labor</b>	<b>Total</b>	
							Summary of Respondent Burden	10,626	\$378,278	\$438,524	\$816,802
							Annualized Capital and Startup			\$414,767	\$414,767
							O & M Summary			\$23,600	\$23,600

FOOTNOTES

- <sup>a</sup> Based on the total number of existing units expected to continue operating once the guidelines become effective.
- <sup>b</sup> Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.
- <sup>c</sup> One-time only costs.
- <sup>d</sup> Cost incurred by a facility regardless of the number of affected units at the plant.
- <sup>e</sup> Annual cost. Annual costs are not incurred until the second year of operation.
- <sup>f</sup> Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- <sup>g</sup> Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- <sup>h</sup> Assumed that one-third of the facilities will petition for site-specific parameters.
- <sup>i</sup> Assumed that 10 percent of the facilities would not have a qualified operator available for more than two weeks at least once a year. Assumed that this required only two corrective action summaries.
- <sup>j</sup> Assumed that 10 percent of the facilities would have an exceedance during the year.
- <sup>k</sup> Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- <sup>l</sup> Assumed \$100 for purchase of filing cabinet to house copy of rule, records and report copies.

**Generators**

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$1,600	16	c, d, l
\$406,167	19	c
\$0	0	e
\$0	16	c
\$0	16	c
\$0	0	e
\$0	0	e
\$0	19	c
\$7,000	19	c, f
\$23,600	19	e, g
\$0	19	
\$0	19	
\$0	16	
\$143	19	
\$0	19	
\$0	16	c

**inertors**

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	10	c, h
\$0	6	c, h
\$0	0	c
\$0	16	c
\$0	0	
\$0	2	i
\$0	4	i
\$15	2	j
	272	
\$0	0	
\$0	0	k
\$0	0	k
\$0	2	j
\$0	0	
\$0	0	
\$0	0	
\$0	0	





**Table 3.B - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Small Remote Inc:**

(H) (H) Total Labor Costs	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year  (CXD)	(F) Management Hours Per Year  (E x 0.05)	(G) Clerical Hours Per Year  (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$0	1	1	0	0	0	0	0	\$0
B. Required Activities											
1) Initial stack test and report (PM, dioxins/furans, opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required))	Included in E.	varies	\$21,377	1	0	0	0	0	0	267	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and SO2)	Included in E.	182	\$14,533	1	0	19	0	0	0	3,452	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	0	\$0	1	64	0	0	0	0	0	\$0
b) Obtain operator qualification	72	0	\$0	1	72	0	0	0	0	0	\$0
c) Annual refresher course	12	0	\$0	1	12	16	192	10	19	0	\$7,860
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	16	128	6	13	0	\$5,240
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	0	0	0	0	0	\$0
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$7,000	1	17	0	0	0	0	0	\$0
b) Annual costs	17	0	\$23,600	1	17	0	0	0	0	0	\$0
C. Create Information	Included in 3.B										
D. Gather Information	Included in 3.E										
E. Report Preparation											
1) Notification of initial performance test											
a) Pollutants, fugitive ash emissions	2	0	\$0	1	2	0	0	0	0	0	\$0
b) Fugitive Ash Emissions	1	0	\$0	1	1	0	0	0	0	0	\$0
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	0	0	0	0	0	\$0
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	0	\$7.50	1	8	0	0	0	0	0	\$0
b) Fugitive Ash Emissions	2	0	\$0	1	2	0	0	0	0	0	\$0

**Table 3.B - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Small Remote Inc:**

(H) Total Labor Costs	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	0	0	0	0	0	\$0
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	0	\$0	1	6	0	0	0	0	0	\$0
b) With site specific parameter petition	14	0	\$0	1	14	0	0	0	0	0	\$0
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating parameters	Included in 3.B	0	\$0	1	0	0	0	0	0	0	\$0
9) Waste management plan	160	0	\$0	1	160	0	0	0	0	0	\$0
10) Annual Report:											
a) Results of performance tests conducted during the year	40	0	\$7.50	1	40	19	760	38	76	0	\$31,114
11) Status report for operators that are off-site for more than 2 weeks	8	0	\$0	1	8	2	16	1	2	0	\$655
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	2	32	2	3	0	\$1,310
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	2	48	2	5	0	\$1,965
<b>Reporting Subtotal</b>							1,176	59	118	3,719	\$48,144
<b>4. Recordkeeping Requirements</b>											
A. Read Instructions	Included in 3.A										
B. Plan Activities	Not applicable										
C. Implement Activities	Not applicable										
D. Develop Record System	Not applicable										
E. Record Information											
1) Records of operating parameters	Included in 3.B.5.	0	\$0	52	0	0	0	0	0	0	\$0
2) Records of periods for which minimum amount of data on operating parameters were not obtained	0.5	0	\$0	52	26	0	0	0	0	0	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	2	3	0	0	0	\$123
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
7) Records of persons who have reviewed operating procedures	1	0	\$0	1	1	16	16	1	2	0	\$655
8) Records of persons who have completed operator training	1	0	\$0	1	1	16	16	1	2	0	\$655
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	16	16	1	2	0	\$655
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	16	384	19	38	0	\$15,721

**Table 3.B - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Small Remote Inc:**

(H) (H) Total Labor Costs	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year  (CXD)	(F) Management Hours Per Year  (E x 0.05)	(G) Clerical Hours Per Year  (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
<i>Recordkeeping Subtotal</i>							435	21.75	43.5	0	\$17,809
<b>TOTAL:</b>							<b>1,611</b>	<b>81</b>	<b>161</b>	<b>3,719</b>	<b>\$65,953</b>
							<b>Total Hours</b>		<b>Labor</b>	<b>Non-Labor</b>	<b>Total</b>
							Summary of Respondent Burden	1,853	\$65,953	\$306,891	\$372,844
							Annualized Capital and Startup			\$7,000	\$7,000
							O & M Summary			\$23,600	\$23,600

FOOTNOTES

- <sup>a</sup> Based on the total number of existing units expected to continue operating once the guidelines become effective.
- <sup>b</sup> Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.
- <sup>c</sup> One-time only costs.
- <sup>d</sup> Cost incurred by a facility regardless of the number of affected units at the plant.
- <sup>e</sup> Annual cost. Annual costs are not incurred until the second year of operation.
- <sup>f</sup> Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- <sup>g</sup> Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- <sup>h</sup> Assumed that one-third of the facilities will petition for site-specific parameters.
- <sup>i</sup> Assumed that 10 percent of the facilities would not have a qualified operator available for more than two weeks at least once a year. Assumed that this required only two corrective action summaries.
- <sup>j</sup> Assumed that 10 percent of the facilities would have an exceedance during the year.
- <sup>k</sup> Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- <sup>l</sup> Assumed \$100 for purchase of filing cabinet to house copy of rule, records and report copies.

**inertors**

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c, d, l
\$0	0	c
\$276,133	19	e
\$0	0	c
\$0	0	c
\$0	16	e
\$0	16	e
\$0	0	c
\$7,000	0	c, f
\$23,600	0	e, g
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	

**inertors**

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c
\$0	0	c, h
\$0	0	c, h
\$0	0	c
\$0	0	c
\$143	19	
\$0	2	i
\$0	4	i
\$15	2	j
	78	
\$0	0	
\$0	0	k
\$0	0	k
\$0	2	j
\$0	16	
\$0	16	
\$0	16	
\$0	16	

**inertors**

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	66	
\$306,891	144	

**Table 3.C - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 3, Small Remote Inci**

for for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 3, Small Remote Inci	(A) Respondent Hours per Occurrence (Technical Hours Per Occurrence)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent	(C) Hours Per Respondent Per Year	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year	(F) Management Hours Per Year	(G) Clerical Hours Per Year	(H) Emission Testing Contractor Hours Per Occurrence	Total Labor Costs Per Year (b)
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$0	1	1	0	0	0	0	0	\$0
B. Required Activities											
1) Initial stack test and report (PM, dioxins/furans, opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required))	Included in E.	varies	\$21,377	1	0	0	0	0	0	267	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and SO2)	Included in E.	182	\$14,533	1	0	19	0	0	0	3,452	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	0	\$0	1	64	0	0	0	0	0	\$0
b) Obtain operator qualification	72	0	\$0	1	72	0	0	0	0	0	\$0
c) Annual refresher course	12		\$0	1	12	16	192	10	19	0	\$7,860
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	16	128	6	13	0	\$5,240
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	0	0	0	0	0	\$0
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$7,000	1	17	0	0	0	0	0	\$0
b) Annual costs	17	0	\$23,600	1	17	0	0	0	0	0	\$0
C. Create Information	Included in 3.B										
D. Gather Information	Included in 3.E										
E. Report Preparation											
1) Notification of initial performance test											
a) Pollutants, fugitive ash emissions	2	0	\$0	1	2	0	0	0	0	0	\$0
b) Fugitive Ash Emissions	1	0	\$0	1	1	0	0	0	0	0	\$0
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	0	0	0	0	0	\$0
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	0	\$7.50	1	8	0	0	0	0	0	\$0
b) Fugitive Ash Emissions	2	0	\$0	1	2	0	0	0	0	0	\$0
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	0	0	0	0	0	\$0

**Table 3.C - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 3, Small Remote Inci**

(H) (H) Total Labor Costs	(A) Respondent Hours per Occurrence (Technical	Emission Testing Contractor Hours Per	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent	(C) Hours Per Respondent Per Year	(D) Number of Respondents Per Year (a	(E) Technical Hours Per Year	(F) Management Hours Per Year	(G) Clerical Hours Per Year	(H) Emission Testing Contractor Hours Per	Total Labor Costs Per Year (b)
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	0	\$0	1	6	0	0	0	0	0	\$0
b) With site specific parameter petition	14	0	\$0	1	14	0	0	0	0	0	\$0
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating parameters	Included in 3.B	0	\$0	1	0	0	0	0	0	0	\$0
9) Waste management plan	160	0	\$0	1	160	0	0	0	0	0	\$0
10) Annual Report:											
a) Results of performance tests conducted during the year	40	0	\$7.50	1	40	19	760	38	76	0	\$31,114
11) Status report for operators that are off-site for more than 2 weeks	8	0	\$0	1	8	2	16	1	2	0	\$655
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	2	32	2	3	0	\$1,310
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	2	48	2	5	0	\$1,965
<b>Reporting Subtotal</b>							1,176	59	118	3,719	\$48,144
<b>4. Recordkeeping Requirements</b>											
A. Read Instructions	Included in 3.A										
B. Plan Activities	Not applicable										
C. Implement Activities	Not applicable										
D. Develop Record System	Not applicable										
E. Record Information											
1) Records of operating parameters	Included in 3.B.5.b	0	\$0	52	0	0	0	0	0	0	\$0
2) Records of periods for which minimum amount of data on operating parameters were not obtained	0.5	0	\$0	52	26	0	0	0	0	0	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	2	3	0	0	0	\$123
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
7) Records of persons who have reviewed operating procedures	1	0	\$0	1	1	16	16	1	2	0	\$655
8) Records of persons who have completed operator training	1	0	\$0	1	1	16	16	1	2	0	\$655
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	16	16	1	2	0	\$655
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	16	384	19	38	0	\$15,721



**Table 3.C - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 3, Small Remote Inci**

for for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 3, Small Remote Inci	(A) Respondent Hours per Occurrence (Technical Hours Per Occurrence)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent	(C) Hours Per Respondent Per Year	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year	(F) Management Hours Per Year	(G) Clerical Hours Per Year	(H) Emission Testing Contractor Hours Per Occurrence	Total Labor Costs Per Year (b)
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
<i>Recordkeeping Subtotal</i>							435	21.75	43.5	0	\$17,809
<b>TOTAL:</b>							<b>1,611</b>	<b>81</b>	<b>161</b>	<b>3,719</b>	<b>\$65,953</b>
							<b>Total Hours</b>				
							1,853	\$65,953	\$306,891	\$372,844	
										\$7,000	\$7,000
										\$23,600	\$23,600

**FOOTNOTES**

- <sup>a</sup> Based on the total number of existing units expected to continue operating once the guidelines become effective.
- <sup>b</sup> Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.
- <sup>c</sup> One-time only costs.
- <sup>d</sup> Cost incurred by a facility regardless of the number of affected units at the plant.
- <sup>e</sup> Annual cost. Annual costs are not incurred until the second year of operation.
- <sup>f</sup> Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- <sup>g</sup> Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- <sup>h</sup> Assumed that one-third of the facilities will petition for site-specific parameters.
- <sup>i</sup> Assumed that 10 percent of the facilities would not have a qualified operator available for more than two weeks at least once a year. Assumed that this required only two corrective action summaries.
- <sup>j</sup> Assumed that 10 percent of the facilities would have an exceedance during the year.
- <sup>k</sup> Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- <sup>l</sup> Assumed \$100 for purchase of filing cabinet to house copy of rule, records and report copies.

**nerators**

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c, d, l
\$0	0	c
\$276,133	19	e
\$0	0	c
\$0	0	c
\$0	16	e
\$0	16	e
\$0	0	c
\$7,000	0	c, f
\$23,600	0	e, g
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	c

**nerators**

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c, h
\$0	0	c, h
\$0	0	c
\$0	0	c
\$143	19	
\$0	2	i
\$0	4	i
\$15	2	j
	78	
\$0	0	
\$0	0	k
\$0	0	k
\$0	2	j
\$0	16	
\$0	16	
\$0	16	
\$0	16	

**nerators**

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	66	
\$306,891	144	

**Table 3.D - Summary of Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD, Small Remote Incinerators**

Year	Technical Hours	Management Hours	Clerical Hours	Total Hours	Testing Contractor Hours <sup>a</sup>	Labor Costs	Non-Labor (O&M) Costs	Total Costs
1	9,240	462	924	10,626	267	\$378,278	\$438,524	\$816,802
2	1,611	81	161	1,853	3,719	\$65,953	\$306,891	\$372,844
3	1,611	81	161	1,853	3,719	\$65,953	\$306,891	\$372,844
Total	12,462	623	1,246	14,331	7,705	\$510,184	\$1,052,306	\$1,562,490
Average	4,154	208	415	4,777	2,568	\$170,061	\$350,769	\$520,830

**Table 4.A - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Energy Recovery Units**

for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Energy Recovery Units (H) (H) Total Labor Costs	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$100	1	1	4	4	0	0	0	\$164
B. Required Activities											
1) Initial stack test and report (PM, dioxins/furans, opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required))	Included in E.	varies	\$40,111	1	0	6	0	0	0	501	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and Fugitive Ash)	Included in E.	632	\$50,533	1	0	0	0	0	0	0	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	0	\$0	1	64	4	256	13	26	0	\$10,480
b) Obtain operator qualification	72	0	\$0	1	72	4	288	14	29	0	\$11,790
c) Annual refresher course	12		\$0	1	12	0	0	0	0	0	\$0
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	0	0	0	0	0	\$0
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	6	240	12	24	0	\$9,825
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$23,056	1	17	6	102	5	10	0	\$4,176
b) Annual costs	17	0	\$20,632	1	17	6	102	5	10	0	\$4,176
C. Create Information	Included in 3.B										
D. Gather Information	Included in 3.E										
E. Report Preparation											
1) Notification of initial performance test											
a) Pollutants, fugitive ash emissions	2	0	\$0	1	2	6	12	1	1	0	\$491
b) Fugitive Ash Emissions	1	0	\$0	1	1	6	6	0	1	0	\$246
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	4	8	0	1	0	\$328
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	0	\$7.50	1	8	6	48	2	5	0	\$1,965
b) Fugitive Ash Emissions	2	0	\$0	1	2	6	12	1	1	0	\$491
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	4	640	32	64	0	\$26,201
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	0	\$0	1	6	2	12	1	1	0	\$491
b) With site specific parameter petition	14	0	\$0	1	14	2	28	1	3	0	\$1,146

**Table 4.A - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Energy Recovery Units**

for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units (H) (H) Total Labor Costs	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating parameters	Included in 3.B	0	\$0	1	0	0	0	0	0	0	\$0
9) Waste management plan	160	0	\$0	1	160	4	640	32	64	0	\$26,201
10) Annual Report:											
a) Results of performance tests conducted during the year	40	0	\$7.50	1	40	0	0	0	0	0	\$0
11) Status report for operators that are off-site for more than 2 weeks	8	0	\$0	1	8	1	8	0	1	0	\$328
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	1	16	1	2	0	\$655
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	1	24	1	2	0	\$983
<i>Reporting Subtotal</i>							2,446	122	245	501	\$100,137
<b>4. Recordkeeping Requirements</b>											
A. Read Instructions	Included in 3.A										
B. Plan Activities	Not applicable										
C. Implement Activities	Not applicable										
D. Develop Record System	Not applicable										
E. Record Information											
1) Records of operating parameters	Included in 3.B.5.b	0	\$0	52	0	0	0	0	0	0	\$0
2) Records of periods for which minimum amount of data on operating parameters were not obtained	0.5	0	\$0	52	26	0	0	0	0	0	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	1	2	0	0	0	\$61
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
7) Records of persons who have reviewed operating procedures	1	0	\$0	1	1	0	0	0	0	0	\$0
8) Records of persons who have completed operator training	1	0	\$0	1	1	0	0	0	0	0	\$0
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	0	0	0	0	0	\$0
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	0	0	0	0	0	\$0

**Table 4.A - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Energy Recovery Units**

for Efor Existing Stationary Sources: Commercial and Industrial Solid Waste Incine (H) (H) Tota Total LabcLabor Costs	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
<i>Recordkeeping Subtotal</i>							1.5	0.075	0.15	0	\$61
<b>TOTAL:</b>							2,448	122	245	501	\$100,199
							Total Hours				
								Labor		Non-Labor	Total
								2,815	\$100,199	\$503,249	\$603,448
										\$379,405	\$379,405
										\$123,792	\$123,792

FOOTNOTES

- <sup>a</sup> Based on the total number of existing units expected to continue operating once the guidelines become effective.
- <sup>b</sup> Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.
- <sup>c</sup> One-time only costs.
- <sup>d</sup> Cost incurred by a facility regardless of the number of affected units at the plant.
- <sup>e</sup> Annual cost. Annual costs are not incurred until the second year of operation.
- <sup>f</sup> Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- <sup>g</sup> Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- <sup>h</sup> Assumed that one-third of the facilities will petition for site-specific parameters.
- <sup>i</sup> Assumed that 10 percent of the facilities would not have a qualified operator available for more than two weeks at least once a year. Assumed that this required only two corrective action summaries.
- <sup>j</sup> Assumed that 10 percent of the facilities would have an exceedance during the year.
- <sup>k</sup> Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- <sup>l</sup> Assumed \$100 for purchase of filing cabinet to house copy of rule, records and report copies.



**(Liquid/Gas)**

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$400	4	c,d,l
\$240,667	6	c
\$0	0	e
\$0	4	c
\$0	4	c
\$0	0	e
\$0	0	e
\$0	6	c
\$138,338	6	f
\$123,792	6	e,g
\$0	6	
\$0	6	
\$0	4	
\$45	6	
\$0	6	
\$0	4	c
\$0	2	c,h
\$0	2	c,h

**(Liquid/Gas)**

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c
\$0	4	c
\$0	0	
\$0	1	i
\$0	2	i
\$8	1	j
	80	
\$0	0	
\$0	0	k
\$0	0	k
\$0	1	j
\$0	0	
\$0	0	
\$0	0	
\$0	0	



**Table 4.B - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Energy Recovery Units**

for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Energy Recovery Units	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$0	1	1	0	0	0	0	0	\$0
B. Required Activities											
1) Initial stack test and report (PM, dioxins/furans, opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required))	Included in E.	varies	\$40,111	1	0	0	0	0	0	501	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and SO2)	Included in E.	632	\$50,533	1	0	6	0	0	0	3,790	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	0	\$0	1	64	0	0	0	0	0	\$0
b) Obtain operator qualification	72	0	\$0	1	72	0	0	0	0	0	\$0
c) Annual refresher course	12		\$0	1	12	4	48	2	5	0	\$1,965
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	4	32	2	3	0	\$1,310
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	0	0	0	0	0	\$0
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$0	1	17	0	0	0	0	0	\$0
b) Annual costs	17	0	\$20,632	1	17	0	0	0	0	0	\$0
C. Create Information	Included in 3.B										
D. Gather Information	Included in 3.E										
E. Report Preparation											
1) Notification of initial performance test											
a) Pollutants, fugitive ash emissions	2	0	\$0	1	2	0	0	0	0	0	\$0
b) Fugitive Ash Emissions	1	0	\$0	1	1	0	0	0	0	0	\$0
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	0	0	0	0	0	\$0
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	0	\$7.50	1	8	0	0	0	0	0	\$0
b) Fugitive Ash Emissions	2	0	\$0	1	2	0	0	0	0	0	\$0
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	0	0	0	0	0	\$0

**Table 4.B - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Energy Recovery Units**

For Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Energy Recovery Units	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	0	\$0	1	6	0	0	0	0	0	\$0
b) With site specific parameter petition	14	0	\$0	1	14	0	0	0	0	0	\$0
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating parameters	Included in 3.B	0	\$0	1	0	0	0	0	0	0	\$0
9) Waste management plan	160	0	\$0	1	160	0	0	0	0	0	\$0
10) Annual Report:											
a) Results of performance tests conducted during the year	40	0	\$7.50	1	40	6	240	12	24	0	\$9,825
11) Status report for operators that are off-site for more than 2 weeks	8	0	\$0	1	8	1	8	0	1	0	\$328
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	1	16	1	2	0	\$655
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	1	24	1	2	0	\$983
<b>Reporting Subtotal</b>							368	18	37	4,291	\$15,066
<b>4. Recordkeeping Requirements</b>											
A. Read Instructions	Included in 3.A										
B. Plan Activities	Not applicable										
C. Implement Activities	Not applicable										
D. Develop Record System	Not applicable										
E. Record Information											
1) Records of operating parameters	Included in 3.B.5.	0	\$0	52	0	0	0	0	0	0	\$0
2) Records of periods for which minimum amount of data on operating parameters were not obtained	0.5	0	\$0	52	26	0	0	0	0	0	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	1	2	0	0	0	\$61
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
7) Records of persons who have reviewed operating procedures	1	0	\$0	1	1	4	4	0	0	0	\$164
8) Records of persons who have completed operator training	1	0	\$0	1	1	4	4	0	0	0	\$164
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	4	4	0	0	0	\$164
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	4	96	5	10	0	\$3,930

**Table 4.B - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Energy Recovery Units**

For Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Energy Recovery Units	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)	
Burden Item												
F. Personnel Training	Included in 3.B											
G. Time for Audits	Not applicable											
<i>Recordkeeping Subtotal</i>							109.5	5.475	10.95	0	\$4,483	
<b>TOTAL:</b>							478	24	48	4,291	\$19,548	
								<b>Total Hours</b>				
								Summary of Respondent Burden	549	\$19,548	\$548,337	\$567,885
								Annualized Capital and Startup			\$121,292	\$121,292
								O & M Summary			\$123,792	\$123,792

FOOTNOTES

- <sup>a</sup> Based on the total number of existing units expected to continue operating once the guidelines become effective.
- <sup>b</sup> Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.
- <sup>c</sup> One-time only costs.
- <sup>d</sup> Cost incurred by a facility regardless of the number of affected units at the plant.
- <sup>e</sup> Annual cost. Annual costs are not incurred until the second year of operation.
- <sup>f</sup> Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- <sup>g</sup> Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- <sup>h</sup> Assumed that one-third of the facilities will petition for site-specific parameters.
- <sup>i</sup> Assumed that 10 percent of the facilities would not have a qualified operator available for more than two weeks at least once a year. Assumed that this required only two corrective action summaries.
- <sup>j</sup> Assumed that 10 percent of the facilities would have an exceedance during the year.
- <sup>k</sup> Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- <sup>l</sup> Assumed \$100 for purchase of filing cabinet to house copy of rule, records and report copies.

s (Liquid/Gas)

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c, d, l
\$0	0	c
\$303,200	6	e
\$0	0	c
\$0	0	c
\$0	4	e
\$0	4	e
\$0	0	c
\$121,292	0	c, f
\$123,792	0	e, g
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	c

s (Liquid/Gas)

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c, h
\$0	0	c, h
\$0	0	c
\$0	0	c
\$45	6	
\$0	1	i
\$0	2	i
\$8	1	j
	24	
\$0	0	
\$0	0	k
\$0	0	k
\$0	1	j
\$0	4	
\$0	4	
\$0	4	
\$0	4	



s (Liquid/Gas)

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	17	
\$548,337	41	

**Table 4.C - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 3, Energy Recovery Units**

(H) (H) Total Labor Costs	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year  (CXD)	(F) Management Hours Per Year  (E x 0.05)	(G) Clerical Hours Per Year  (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$0	1	1	0	0	0	0	0	\$0
B. Required Activities											
1) Initial stack test and report (PM, dioxins/furans, opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required))	Included in E.	varies	\$40,111	1	0	0	0	0	0	501	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and P	Included in E.	632	\$50,533	1	0	6	0	0	0	3,790	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	0	\$0	1	64	0	0	0	0	0	\$0
b) Obtain operator qualification	72	0	\$0	1	72	0	0	0	0	0	\$0
c) Annual refresher course	12		\$0	1	12	4	48	2	5	0	\$1,965
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	4	32	2	3	0	\$1,310
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	0	0	0	0	0	\$0
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$0	1	17	0	0	0	0	0	\$0
b) Annual costs	17	0	\$20,632	1	17	0	0	0	0	0	\$0
C. Create Information	Included in 3.B										
D. Gather Information	Included in 3.E										
E. Report Preparation											
1) Notification of initial performance test											
a) Pollutants, fugitive ash emissions	2	0	\$0	1	2	0	0	0	0	0	\$0
b) Fugitive Ash Emissions	1	0	\$0	1	1	0	0	0	0	0	\$0
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	0	0	0	0	0	\$0
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	0	\$7.50	1	8	0	0	0	0	0	\$0
b) Fugitive Ash Emissions	2	0	\$0	1	2	0	0	0	0	0	\$0

**Table 4.C - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 3, Energy Recovery Units**

(H) (H) Total Labor Costs	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	0	0	0	0	0	\$0
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	0	\$0	1	6	0	0	0	0	0	\$0
b) With site specific parameter petition	14	0	\$0	1	14	0	0	0	0	0	\$0
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating parameters	Included in 3.B.1	0	\$0	1	0	0	0	0	0	0	\$0
9) Waste management plan	160	0	\$0	1	160	0	0	0	0	0	\$0
10) Annual Report:											
a) Results of performance tests conducted during the year	40	0	\$7.50	1	40	6	240	12	24	0	\$9,825
11) Status report for operators that are off-site for more than 2 weeks	8	0	\$0	1	8	1	8	0	1	0	\$328
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	1	16	1	2	0	\$655
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	1	24	1	2	0	\$983
<b>Reporting Subtotal</b>							368	18	37	4,291	\$15,066
<b>4. Recordkeeping Requirements</b>											
A. Read Instructions	Included in 3.A										
B. Plan Activities	Not applicable										
C. Implement Activities	Not applicable										
D. Develop Record System	Not applicable										
E. Record Information											
1) Records of operating parameters	Included in 3.B.5	0	\$0	52	0	0	0	0	0	0	\$0
2) Records of periods for which minimum amount of data on operating parameters were not obtained	0.5	0	\$0	52	26	0	0	0	0	0	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	1	2	0	0	0	\$61
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
7) Records of persons who have reviewed operating procedures	1	0	\$0	1	1	4	4	0	0	0	\$164
8) Records of persons who have completed operator training	1	0	\$0	1	1	4	4	0	0	0	\$164
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	4	4	0	0	0	\$164
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	4	96	5	10	0	\$3,930
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
<b>Recordkeeping Subtotal</b>							109.5	5.475	10.95	0	\$4,483

**Table 4.C - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 3, Energy Recovery Units**

(H) (H) Total Labor Costs	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year  (CXD)	(F) Management Hours Per Year  (E x 0.05)	(G) Clerical Hours Per Year  (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)	
	Burden Item						478	24	48	4,291	\$19,548	
							Total Hours		Labor	Non-Labor	Total	
							Summary of Respondent Burden		\$549	\$19,548	\$548,337	\$567,885
							Annualized Capital and Startup				\$121,292	\$121,292
							O & M Summary				\$123,792	\$123,792

FOOTNOTES

- <sup>a</sup> Based on the total number of existing units expected to continue operating once the guidelines become effective.
- <sup>b</sup> Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.
- <sup>c</sup> One-time only costs.
- <sup>d</sup> Cost incurred by a facility regardless of the number of affected units at the plant.
- <sup>e</sup> Annual cost. Annual costs are not incurred until the second year of operation.
- <sup>f</sup> Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- <sup>g</sup> Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- <sup>h</sup> Assumed that one-third of the facilities will petition for site-specific parameters.
- <sup>i</sup> Assumed that 10 percent of the facilities would not have a qualified operator available for more than two weeks at least once a year. Assumed that this required only two corrective action summaries.
- <sup>j</sup> Assumed that 10 percent of the facilities would have an exceedance during the year.
- <sup>k</sup> Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- <sup>l</sup> Assumed \$100 for purchase of filing cabinet to house copy of rule, records and report copies.

s (Liquid/Gas)

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c, d, l
\$0	0	c
\$303,200	6	e
\$0	0	c
\$0	0	c
\$0	4	e
\$0	4	e
\$0	0	c
\$121,292	0	c, f
\$123,792	0	e, g
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	

s (Liquid/Gas)

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c
\$0	0	c, h
\$0	0	c, h
\$0	0	c
\$0	0	c
\$45	6	
\$0	1	i
\$0	2	i
\$8	1	j
	24	
\$0	0	
\$0	0	k
\$0	0	k
\$0	1	j
\$0	4	
\$0	4	
\$0	4	
\$0	4	
\$0	17	

» (Liquid/Gas)

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$548,337	41	

**Table 4.D - Summary of Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD, Energy Recovery Units (Liquid/Gas)**

Year	Technical Hours	Management Hours	Clerical Hours	Total Hours	Testing Contractor Hours <sup>a</sup>	Labor Costs	Non-Labor (O&M) Costs	Total Costs
1	2,448	122	245	2,815	501	\$100,199	\$503,249	\$603,448
2	478	24	48	549	4,291	\$19,548	\$548,337	\$567,885
3	478	24	48	549	4,291	\$19,548	\$548,337	\$567,885
Total	3,403	170	340	3,913	9,084	\$139,296	\$1,599,922	\$1,739,218
Average	1,134	57	113	1,304	3,028	\$46,432	\$533,307	\$579,739



**Table 5.A - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Waste-burning**

For Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Waste-burning	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$100	1	1	12	12	1	1	0	\$491
B. Required Activities											
1) Initial stack test and report (PM, dioxins/furans, opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required))	Included in E.	varies	\$15,417	1	0	16	0	0	0	193	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and SO2)	Included in E.	357	\$28,533	1	0	0	0	0	0	0	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	0	\$0	1	64	12	768	38	77	0	\$31,441
b) Obtain operator qualification	72	0	\$0	1	72	12	864	43	86	0	\$35,371
c) Annual refresher course	12		\$0	1	12	0	0	0	0	0	\$0
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	0	0	0	0	0	\$0
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	16	640	32	64	0	\$26,201
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$788	1	17	16	272	14	27	0	\$11,135
b) Annual costs	17	0	\$9,781	1	17	16	272	14	27	0	\$11,135
C. Create Information	Included in 3.B										
D. Gather Information	Included in 3.E										
E. Report Preparation											
1) Notification of initial performance test											
a) Pollutants, fugitive ash emissions	2	0	\$0	1	2	16	32	2	3	0	\$1,310
b) Fugitive Ash Emissions	1	0	\$0	1	1	16	16	1	2	0	\$655
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	12	24	1	2	0	\$983
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	0	\$7.50	1	8	16	128	6	13	0	\$5,240
b) Fugitive Ash Emissions	2	0	\$0	1	2	16	32	2	3	0	\$1,310

**Table 5.A - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Waste-burning**

For Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Waste-burning	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	12	1,920	96	192	0	\$78,603
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	0	\$0	1	6	8	48	2	5	0	\$1,965
b) With site specific parameter petition	14	0	\$0	1	14	4	56	3	6	0	\$2,293
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating parameters	Included in 3.B.1	0	\$0	1	0	0	0	0	0	0	\$0
9) Waste management plan	160	0	\$0	1	160	12	1,920	96	192	0	\$78,603
10) Annual Report:											
a) Results of performance tests conducted during the year	40	0	\$7.50	1	40	0	0	0	0	0	\$0
11) Status report for operators that are off-site for more than 2 weeks	8	0	\$0	1	8	2	16	1	2	0	\$655
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	2	32	2	3	0	\$1,310
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	2	48	2	5	0	\$1,965
<b>Reporting Subtotal</b>							7,100	355	710	193	\$290,668
<b>4. Recordkeeping Requirements</b>											
A. Read Instructions	Included in 3.A										
B. Plan Activities	Not applicable										
C. Implement Activities	Not applicable										
D. Develop Record System	Not applicable										
E. Record Information											
1) Records of operating parameters	Included in 3.B.5	0	\$0	52	0	0	0	0	0	0	\$0
2) Records of periods for which minimum amount of data on operating parameters were not obtained	0.5	0	\$0	52	26	0	0	0	0	0	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	2	3	0	0	0	\$123
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
7) Records of persons who have reviewed operating procedures	1	0	\$0	1	1	0	0	0	0	0	\$0
8) Records of persons who have completed operator training	1	0	\$0	1	1	0	0	0	0	0	\$0
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	0	0	0	0	0	\$0
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	0	0	0	0	0	\$0
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
<b>Recordkeeping Subtotal</b>							3	0.15	0.3	0	\$123
<b>TOTAL:</b>							7,103	355	710	193	\$290,791

**Table 5.A - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Waste-burning**

For Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Waste-burning	(A)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B)	(C)	(D)	(E)	(F)	(G)	(H)	Total Labor Costs Per Year (b)
Burden Item	Respondent Hours per Occurrence (Technical hours)	Hours	Per Occurrence	Number of Occurrences Per Respondent Per Year	Hours Per Respondent Per Year (C=A x B)	Number of Respondents Per Year (d)	Technical Hours Per Year (CXD)	Management Hours Per Year (E x 0.05)	Clerical Hours Per Year (E x 0.1)	Emission Testing Contractor Hours Per Year	Total
Summary of Respondent Burden								8,168	\$290,791	\$417,102	\$707,893
Annualized Capital and Startup										\$260,467	\$260,467
O & M Summary										\$156,500	\$156,500

FOOTNOTES

- <sup>a</sup>Based on the total number of existing units expected to continue operating once the guidelines become effective.
- <sup>b</sup>Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.
- <sup>c</sup>One-time only costs.
- <sup>d</sup>Cost incurred by a facility regardless of the number of affected units at the plant.
- <sup>e</sup>Annual cost. Annual costs are not incurred until the second year of operation.
- <sup>f</sup>Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- <sup>g</sup>Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- <sup>h</sup>Assumed that one-third of the facilities will petition for site-specific parameters.
- <sup>i</sup>Assumed that 10 percent of the facilities would not have a qualified operator available for more than two weeks at least once a year. Assumed that this required only two corrective action summaries.
- <sup>j</sup>Assumed that 10 percent of the facilities would have an exceedance during the year.
- <sup>k</sup>Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- <sup>l</sup>Assumed \$100 for purchase of filing cabinet to house copy of rule, records and report copies.

**Kilns**

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$1,200	12	c, d, l
\$246,667	16	c
\$0	0	e
\$0	12	c
\$0	12	c
\$0	0	e
\$0	0	e
\$0	16	c
\$12,600	16	c, f
\$156,500	16	e, g
\$0	16	
\$0	16	
\$0	12	
\$120	16	
\$0	16	

**Kilns**

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	12	c
\$0	8	c, h
\$0	4	c, h
\$0	0	c
\$0	12	c
\$0	0	
\$0	2	i
\$0	4	i
\$15	2	j
	220	
\$0	0	
\$0	0	k
\$0	0	k
\$0	2	j
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	2	
\$417,102	222	

**Kilns**

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes

**Table 5.B - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Waste-burning**

for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Waste-burning	(A)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year @\$34.60 (CXD)	(F) Management Hours Per Year @\$82.23 (E x 0.05)	(G) Clerical Hours Per Year @\$22.32 (E x 0.1)	(H) Emission Testing Contractor Hours Per Year @\$80	Total Labor Costs Per Year (b)
Burden Item	Respondent Hours per Occurrence (Technical hours)										
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$0	1	1	0	0	0	0	0	\$0
B. Required Activities											
1) Initial stack test and report (PM, dioxins/furans, opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required))	Included in E.	varies	\$15,417	1	0	0	0	0	0	193	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and Furans)	Included in E.	357	\$28,533	1	0	16	0	0	0	5,707	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	0	\$0	1	64	0	0	0	0	0	\$0
b) Obtain operator qualification	72	0	\$0	1	72	0	0	0	0	0	\$0
c) Annual refresher course	12		\$0	1	12	12	144	7	14	0	\$5,895
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	12	96	5	10	0	\$3,930
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	0	0	0	0	0	\$0
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$0	1	17	0	0	0	0	0	\$0
b) Annual costs	17	0	\$9,781	1	17	0	0	0	0	0	\$0
C. Create Information	Included in 3.B										
D. Gather Information	Included in 3.E										
E. Report Preparation											
1) Notification of initial performance test											
a) Pollutants, fugitive ash emissions	2	0	\$0	1	2	0	0	0	0	0	\$0
b) Fugitive Ash Emissions	1	0	\$0	1	1	0	0	0	0	0	\$0
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	0	0	0	0	0	\$0
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	0	\$7.50	1	8	0	0	0	0	0	\$0
b) Fugitive Ash Emissions	2	0	\$0	1	2	0	0	0	0	0	\$0
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	0	0	0	0	0	\$0

**Table 5.B - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Waste-burning**

for for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Waste-burning (H) (H) Total Labor Costs	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year @\$34.60 (CXD)	(F) Management Hours Per Year @\$82.23 (E x 0.05)	(G) Clerical Hours Per Year @\$22.32 (E x 0.1)	(H) Emission Testing Contractor Hours Per Year @\$80	Total Labor Costs Per Year (b)
Burden Item											
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	0	\$0	1	6	0	0	0	0	0	\$0
b) With site specific parameter petition	14	0	\$0	1	14	0	0	0	0	0	\$0
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating parameters	Included in 3.B	0	\$0	1	0	0	0	0	0	0	\$0
9) Waste management plan	160	0	\$0	1	160	0	0	0	0	0	\$0
10) Annual Report:											
a) Results of performance tests conducted during the year	40	0	\$7.50	1	40	16	640	32	64	0	\$26,201
11) Status report for operators that are off-site for more than 2 weeks	8	0	\$0	1	8	2	16	1	2	0	\$655
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	2	32	2	3	0	\$1,310
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	2	48	2	5	0	\$1,965
<b>Reporting Subtotal</b>							976	49	98	5,899	\$39,957
<b>4. Recordkeeping Requirements</b>											
A. Read Instructions	Included in 3.A										
B. Plan Activities	Not applicable										
C. Implement Activities	Not applicable										
D. Develop Record System	Not applicable										
E. Record Information											
1) Records of operating parameters	Included in 3.B.5.1	0	\$0	52	0	0	0	0	0	0	\$0
2) Records of periods for which minimum amount of data on operating parameters were not obtained	0.5	0	\$0	52	26	0	0	0	0	0	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	2	3	0	0	0	\$123
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
7) Records of persons who have reviewed operating procedures	1	0	\$0	1	1	12	12	1	1	0	\$491
8) Records of persons who have completed operator training	1	0	\$0	1	1	12	12	1	1	0	\$491
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	12	12	1	1	0	\$491
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	12	288	14	29	0	\$11,790



**Table 5.B - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Waste-burning**

for for Existing Stationary Sources: Commercial and Industrial Solid (H) (H) Total Labor Costs	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year @\$34.60 (CXD)	(F) Management Hours Per Year @\$82.23 (E x 0.05)	(G) Clerical Hours Per Year @\$22.32 (E x 0.1)	(H) Emission Testing Contractor Hours Per Year @\$80	Total Labor Costs Per Year (b)	
Burden Item												
F. Personnel Training	Included in 3.B											
G. Time for Audits	Not applicable											
<i>Recordkeeping Subtotal</i>							327	16.35	32.7	0	\$13,387	
<b>TOTAL:</b>							<b>1,303</b>	<b>65</b>	<b>130</b>	<b>5,899</b>	<b>\$53,344</b>	
							<b>Total Hours</b>		<b>Labor</b>	<b>Non-Labor</b>	<b>Total</b>	
							Summary of Respondent Burden		\$1,498	\$53,344	\$625,768	\$679,112
							Annualized Capital and Startup				\$12,600	\$12,600
							O & M Summary				\$156,500	\$156,500

FOOTNOTES

- <sup>a</sup> Based on the total number of existing units expected to continue operating once the guidelines become effective.
- <sup>b</sup> Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.
- <sup>c</sup> One-time only costs.
- <sup>d</sup> Cost incurred by a facility regardless of the number of affected units at the plant.
- <sup>e</sup> Annual cost. Annual costs are not incurred until the second year of operation.
- <sup>f</sup> Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- <sup>g</sup> Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- <sup>h</sup> Assumed that one-third of the facilities will petition for site-specific parameters.
- <sup>i</sup> Assumed that 10 percent of the facilities would not have a qualified operator available for more than two weeks at least once a year. Assumed that this required only two corrective action summaries.
- <sup>j</sup> Assumed that 10 percent of the facilities would have an exceedance during the year.
- <sup>k</sup> Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- <sup>l</sup> Assumed \$100 for purchase of filing cabinet to house copy of rule, records and report copies.

**J Kilns**

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c, d, l
\$0	0	c
\$456,533	16	e
\$0	0	c
\$0	0	c
\$0	12	e
\$0	12	e
\$0	0	c
\$12,600	0	c, f
\$156,500	0	e, g
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	c

**J Kilns**

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c, h
\$0	0	c, h
\$0	0	c
\$0	0	c
\$120	16	
\$0	2	i
\$0	4	i
\$15	2	j
	64	
\$0	0	
\$0	0	k
\$0	0	k
\$0	2	j
\$0	12	
\$0	12	
\$0	12	
\$0	12	

**Kilns**

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	50	
\$625,768	114	

**Table 5.C - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 3, Waste-burning**

For Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 3, Waste-burning	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$0	1	1	0	0	0	0	0	\$0
B. Required Activities											
1) Initial stack test and report (PM, dioxins/furans, opacity, HCL, Cd, Pb, Hg, CO, NOx, and SO2 (as required))	Included in E.	varies	\$15,417	1	0	0	0	0	0	193	\$0
2) Annual stack test and test report (PM, HCL, Opacity, and SO2)	Included in E.	357	\$28,533	1	0	16	0	0	0	5,707	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	0	\$0	1	64	0	0	0	0	0	\$0
b) Obtain operator qualification	72	0	\$0	1	72	0	0	0	0	0	\$0
c) Annual refresher course	12		\$0	1	12	12	144	7	14	0	\$5,895
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	12	96	5	10	0	\$3,930
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	0	0	0	0	0	\$0
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$0	1	17	0	0	0	0	0	\$0
b) Annual costs	17	0	\$9,781	1	17	0	0	0	0	0	\$0
C. Create Information	Included in 3.B										
D. Gather Information	Included in 3.E										
E. Report Preparation											
1) Notification of initial performance test											
a) Pollutants, fugitive ash emissions	2	0	\$0	1	2	0	0	0	0	0	\$0
b) Fugitive Ash Emissions	1	0	\$0	1	1	0	0	0	0	0	\$0
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	0	0	0	0	0	\$0
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	0	\$7.50	1	8	0	0	0	0	0	\$0
b) Fugitive Ash Emissions	2	0	\$0	1	2	0	0	0	0	0	\$0
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	0	0	0	0	0	\$0

**Table 5.C - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 3, Waste-burning**

For Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 3, Waste-burning	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	0	\$0	1	6	0	0	0	0	0	\$0
b) With site specific parameter petition	14	0	\$0	1	14	0	0	0	0	0	\$0
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating parameters	Included in 3.B	0	\$0	1	0	0	0	0	0	0	\$0
9) Waste management plan	160	0	\$0	1	160	0	0	0	0	0	\$0
10) Annual Report:											
a) Results of performance tests conducted during the year	40	0	\$7.50	1	40	16	640	32	64	0	\$26,201
11) Status report for operators that are off-site for more than 2 weeks	8	0	\$0	1	8	2	16	1	2	0	\$655
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	2	32	2	3	0	\$1,310
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	2	48	2	5	0	\$1,965
<b>Reporting Subtotal</b>							976	49	98	5,899	\$39,957
<b>4. Recordkeeping Requirements</b>											
A. Read Instructions	Included in 3.A										
B. Plan Activities	Not applicable										
C. Implement Activities	Not applicable										
D. Develop Record System	Not applicable										
E. Record Information											
1) Records of operating parameters	Included in 3.B.5.	0	\$0	52	0	0	0	0	0	0	\$0
2) Records of periods for which minimum amount of data on operating parameters were not obtained	0.5	0	\$0	52	26	0	0	0	0	0	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	2	3	0	0	0	\$123
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
7) Records of persons who have reviewed operating procedures	1	0	\$0	1	1	12	12	1	1	0	\$491
8) Records of persons who have completed operator training	1	0	\$0	1	1	12	12	1	1	0	\$491
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	12	12	1	1	0	\$491
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	12	288	14	29	0	\$11,790

**Table 5.C - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 3, Waste-burning**

For Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 3, Waste-burning	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (d)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
<i>Recordkeeping Subtotal</i>							327	16.35	32.7	0	\$13,387
<b>TOTAL:</b>							<b>1,303</b>	<b>65</b>	<b>130</b>	<b>5,899</b>	<b>\$53,344</b>
							<b>Total Hours</b>				
							Summary of Respondent Burden	1,498	\$53,344	\$625,768	\$679,112
							Annualized Capital and Startup			\$12,600	\$12,600
							O & M Summary			\$156,500	\$156,500

FOOTNOTES

- <sup>a</sup> Based on the total number of existing units expected to continue operating once the guidelines become effective.
- <sup>b</sup> Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.
- <sup>c</sup> One-time only costs.
- <sup>d</sup> Cost incurred by a facility regardless of the number of affected units at the plant.
- <sup>e</sup> Annual cost. Annual costs are not incurred until the second year of operation.
- <sup>f</sup> Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- <sup>g</sup> Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- <sup>h</sup> Assumed that one-third of the facilities will petition for site-specific parameters.
- <sup>i</sup> Assumed that 10 percent of the facilities would not have a qualified operator available for more than two weeks at least once a year. Assumed that this required only two corrective action summaries.
- <sup>j</sup> Assumed that 10 percent of the facilities would have an exceedance during the year.
- <sup>k</sup> Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- <sup>l</sup> Assumed \$100 for purchase of filing cabinet to house copy of rule, records and report copies.

**Kilns**

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c, d, l
\$0	0	c
\$456,533	16	e
\$0	0	c
\$0	0	c
\$0	12	e
\$0	12	e
\$0	0	c
\$12,600	0	c, f
\$156,500	0	e, g
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	c



**Kilns**

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c, h
\$0	0	c, h
\$0	0	c
\$0	0	c
\$120	16	
\$0	2	i
\$0	4	i
\$15	2	j
	64	
\$0	0	
\$0	0	k
\$0	0	k
\$0	2	j
\$0	12	
\$0	12	
\$0	12	
\$0	12	

**Kilns**

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	50	
\$625,768	114	

**Table 5.D - Summary of Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Emissions Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD, Waste-burning Kilns**

Year	Technical Hours	Management Hours	Clerical Hours	Total Hours	Testing Contractor Hours <sup>a</sup>	Labor Costs	Non-Labor (O&M) Costs	Total Costs
1	7,103	355	710	8,168	193	\$290,791	\$417,102	\$707,893
2	1,303	65	130	1,498	5,899	\$53,344	\$625,768	\$679,112
3	1,303	65	130	1,498	5,899	\$53,344	\$625,768	\$679,112
Total	9,709	485	971	11,165	11,991	\$397,479	\$1,668,638	\$2,066,117
Average	3,236	162	324	3,722	3,997	\$132,493	\$556,213	\$688,706

**Table 6 - Summary of Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - All Subcategories**

Year	Technical Hours	Management Hours	Clerical Hours	Total Labor Hours	Testing Contractor Hours <sup>a</sup>	Labor Costs	Non-Labor (O&M) Costs
1	32,595	1,630	3,260	37,485	1,431	\$1,334,428	\$3,676,665
2	5,997	300	600	6,897	20,377	\$245,527	\$3,295,309
3	5,997	300	600	6,897	20,377	\$245,527	\$3,295,309
Total	44,590	2,230	4,459	51,279	42,186	\$1,825,481	\$10,267,283
Average	14,863	743	1,486	17,093	14,062	\$608,494	\$3,422,428

a. Test contractor costs are accounted for in the non-labor category

**the Emissions  
Subpart DDDD,**

Total Costs
\$5,011,092
\$3,540,836
\$3,540,836
\$12,092,764
\$4,030,921

**Table 7 - Annual Federal Government Burden and Cost of Recordkeeping and Reporting Requirements for the Emission Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1**

Burden Item	(A)		(B)	(C)	(D)	(E)	(F)	
	Number of Occurrences Per Year		EPA Hours Per Occurrence	Tech Hours Per Year (C=AxB)	Management Hours Per Year (D=Cx0.05)	Clerical Hours Per Year (E=Cx0.1)	EPA Cost Per Year (a,b)	
1. Applications	not applicable							
2. Read and Understand Rule Requirements	1	c	16	16	1	2	\$954	
3. Required Activities								
A. Observe initial stack tests (PM, dioxins/furans, opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2)	15	c, d	48	720	36	72	\$42,947	
B. Excess emissions -- Enforcement Activities	8	f	24	180	9	18	\$10,737	
C. Create Information	not applicable							
D. Gather Information	not applicable							
E. Report Reviews								
1) Review waste management plan and siting analysis	55	c	8	440	22	44	\$26,245	
2) Review report submitted prior to initial startup	52	c	2	104	5	10	\$6,203	
3) Review initial stack test report	75	c	40	3000	150	300	\$178,944	
4) Review annual compliance report	0	e	8	0	0	0	\$0	
5) Review semi-annual excess emission and parameter exceedance report	7	f	16	117	6	12	\$6,967	
6) Review status reports and corrective action summary for operators off-site	15	g	4	58	3	6	\$3,483	
F. Prepare annual summary report	1		200	200	10	20	\$11,930	
5. Travel expenses: (1 person * 30 hours per year / 8 hours per day * \$75 per diem) + (\$600 per round trip)			\$881	per trip				\$13,219
<b>TOTAL</b>				<b>4835</b>	<b>242</b>	<b>484</b>	<b>\$301,629</b>	

FOOTNOTES

- a Costs are based on the following hourly rates (loaded with 60% for fringe and overhead): technical at \$52.37, management at \$86.56, clerical at \$29.52.
- b Figures may not add exactly due to rounding.
- c One-time only costs.
- d Assumes EPA personnel attend 20 percent of the initial stack tests.
- e Burden not incurred until second year of operation onward.
- f Assume that 10 percent of the facilities have an exceedance during the year.
- g Assumed that 10 percent of the facilities would not have a qualified operator for more than two weeks at least once a year. Assumed that 1 status report and 2 corrective action summaries are submitted.

**Table 8 - Annual Federal Government Burden and Cost of Recordkeeping and Reporting Requirements for the Emission Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2**

Burden Item	(A)		(B)	(C)	(D)	(E)	(F)
	Number of Occurrences Per Year		EPA Hours Per Occurrence	Tech Hours Per Year (C=AxB)	Management Hours Per Year (D=Cx0.05)	Clerical Hours Per Year (E=Cx0.1)	EPA Cost Per Year (a,b)
1. Applications	not applicable						
2. Read and Understand Rule Requirements	0	c	16	0	0	0	\$0
3. Required Activities							
A. Observe initial stack tests (PM, dioxins/furans, opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2)	0	c,d	48	0	0	0	\$0
B. Excess emissions -- Enforcement Activities	8	f	24	180	9	18	\$10,737
C. Create Information	not applicable						
D. Gather Information	not applicable						
E. Report Reviews							
1) Review waste management plan and siting analysis	0	c	8	0	0	0	\$0
2) Review report submitted prior to initial startup	0	c	2	0	0	0	\$0
3) Review initial stack test report	0	c	40	0	0	0	\$0
4) Review annual compliance report	75	e	8	600	30	60	\$35,789
5) Review semi-annual excess emission and parameter exceedance report	7	f	16	117	6	12	\$6,967
6) Review status reports and corrective action summary for operators off-site	15	g	4	58	3	6	\$3,483
F. Prepare annual summary report	1		200	200	10	20	\$11,930
5. Travel expenses: (1 person * 30 hours per year / 8 hours per day * \$75 per diem) + (\$600 per round trip				per trip			\$0
TOTAL				1155	58	116	\$68,905

FOOTNOTES

- a Costs are based on the following hourly rates (loaded with 60% for fringe and overhead): technical at \$52.37, management at \$86.56, clerical at \$29.52.
- b Figures may not add exactly due to rounding.
- c One-time only costs.
- d Assumes EPA personnel attend 20 percent of the initial stack tests.
- e Burden not incurred until second year of operation onward.
- f Assume that 10 percent of the facilities have an exceedance during the year.
- g Assumed that 10 percent of the facilities would not have a qualified operator for more than two weeks at least once a year. Assumed that 1 status report and 2 corrective action summaries are submitted.

1. Applications	not applicable						
2. Read and Understand Rule Requirements	0	c	16	0	0	0	\$0
3. Required Activities							
A. Observe initial stack tests (PM, dioxins/furans, opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2)	0	c,d	48	0	0	0	\$0
B. Excess emissions -- Enforcement Activities	8	f	24	180	9	18	\$10,737
C. Create Information	not applicable						
D. Gather Information	not applicable						
E. Report Reviews							
1) Review waste management plan and siting analysis	0	c	8	0	0	0	\$0
2) Review report submitted prior to initial startup	0	c	2	0	0	0	\$0
3) Review initial stack test report	0	c	40	0	0	0	\$0
4) Review annual compliance report	75	e	8	600	30	60	\$35,789
5) Review semi-annual excess emission and parameter exceedance report	7	f	16	117	6	12	\$6,967
6) Review status reports and corrective action summary for operators off-site	15	g	4	58	3	6	\$3,483
F. Prepare annual summary report	1		200	200	10	20	\$11,930
5. Travel expenses: (1 person * 30 hours per year / 8 hours per day * \$75 per diem) + (\$600 per round trip				per trip			\$0
TOTAL				1155	58	116	\$68,905

FOOTNOTES

- a Costs are based on the following hourly rates (loaded with 60% for fringe and overhead): technical at \$52.37, management at \$86.56, clerical at \$29.52.
- b Figures may not add exactly due to rounding.
- c One-time only costs.
- d Assumes EPA personnel attend 20 percent of the initial stack tests.
- e Burden not incurred until second year of operation onward.
- f Assume that 10 percent of the facilities have an exceedance during the year.
- g Assumed that 10 percent of the facilities would not have a qualified operator for more than two weeks at least once a year. Assumed that 1 status report and 2 corrective action summaries are submitted.



**Table 10 - Summary of Annual Federal Government Burden and Cost of Recordkeeping and Reporting Requirements for the Emission Guidelines for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD**

Year	Technical Hours	Management Hours	Clerical Hours	Total Hours	Labor Costs	Non-Labor (O&M) Costs	Total Costs
1	4,835	242	484	5,560	\$288,410	\$13,219	\$301,629
2	1,155	58	116	1,328	\$68,905	\$0	\$68,905
3	1,155	58	116	1,328	\$68,905	\$0	\$68,905
Total	7,146	357	715	8,217	\$426,221	\$13,219	\$439,439
Average	2,382	119	238	2,739	\$142,074	\$4,406	\$146,480