

Cost Factor (in 2008\$)	Reference/Note
Advanced Combustion Controls (Linkageless Boiler Management System) -- cost is per boiler - TCI	
\$ 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.
Activated Carbon Injection	
Hospital/Medical/Infectious Waste Incinerators (HMIWI). [EPA-HQ-OAR-2006-0534]	Received spreadsheet of HMIWI model costs from Tom Holloway of RTI International.
Fabric Filter	
Hospital/Medical/Infectious Waste Incinerators (HMIWI). [EPA-HQ-OAR-2006-0534]	Received spreadsheet of HMIWI model costs from Tom Holloway of RTI International.
Packed Scrubber	
Hospital/Medical/Infectious Waste Incinerators (HMIWI). [EPA-HQ-OAR-2006-0534]	Received spreadsheet of HMIWI model costs from Tom Holloway of RTI International.
Secondary Chamber/Afterburner Retrofit	
Hospital/Medical/Infectious Waste Incinerators (HMIWI). [EPA-HQ-OAR-2006-0534]	Received spreadsheet of HMIWI model costs from Tom Holloway of RTI International.
Selective Non-Catalytic Reduction	
Hospital/Medical/Infectious Waste Incinerators (HMIWI). [EPA-HQ-OAR-2006-0534]	Received spreadsheet of HMIWI model costs from Tom Holloway of RTI International.
Catalytic Oxidizer	

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

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

Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Emission Testing Contractor Hours Per Occurrence	(C) Non-Labor Costs Per Occurrence	(D) Number of Occurrences Per Respondent Per Year	(E) Hours Per Respondent Per Year (C=A x B)	(F) Number of Respondents Per Year (a)	(G) Technical Hours Per Year (CXD)	(H) Management Hours Per Year (E x 0.05)	(I) Clerical Hours Per Year (E x 0.1)	(J) Emission Testing Contractor Hours Per Year	(K) Total Labor Costs Per Year (b)
1. Applications	Not applicable				#VALUE!						
2. Surveys and Studies	Not applicable				#VALUE!		#VALUE!	#VALUE!	#VALUE!		#VALUE!
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$100	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	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and Fugitive Emissions)	Included in E.	182	\$14,533	1	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	\$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	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	0	0	0	0	#VALUE!	\$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	\$0	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
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 for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units (H) (H) Tot:Total Lab: 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	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
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	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	0	0	0	0	\$0
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	0	0	0	0	0	\$0
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	0	0	0	0	0	\$0
Reporting Subtotal							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
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.	0	\$0	52	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
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	0	0	0	0	\$0
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 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>							#VALUE!	#VALUE!	#VALUE!	0	#VALUE!	
TOTAL:							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	
							Total Hours		Labor	Non-Labor	Total	
							Summary of Respondent Burden		#VALUE!	#VALUE!	\$0	#VALUE!
							Annualized Capital and Startup				\$0	\$0
							O & M Summary				\$0	\$0

FOOTNOTES

- ^a Based on the total number of existing units expected to continue operating once the guidelines become effective.
- ^b 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.
- ^c One-time only costs.
- ^d Cost incurred by a facility regardless of the number of affected units at the plant.
- ^e Annual cost. Annual costs are not incurred until the second year of operation.
- ^f Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- ^g Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- ^h Assumed that one-third of the facilities will petition for site-specific parameters.
- ⁱ 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.
- ^j Assumed that 10 percent of the facilities would have an exceedance during the year.
- ^k Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- ^l 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
		#VALUE!
#VALUE!		
\$0	0	c, d, l
\$0	0	c
\$0	0	e
\$0	0	c
\$0	0	c
\$0	0	e
\$0	0	e
\$0	0	c
\$0	0	c, f
\$0	0	e, g
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	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	0	c
\$0	0	
\$0	0	i
\$0	0	i
\$0	0	j
	0	
\$0	0	
\$0	0	k
\$0	0	k
\$0	0	j
\$0	0	
\$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	
\$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, Incineration

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)
1. Applications	Not applicable				#VALUE!						
2. Surveys and Studies	Not applicable				#VALUE!		#VALUE!	#VALUE!	#VALUE!		#VALUE!
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	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
2) Annual stack test and test report (PM, HCL, Opacity, and Fugitive Ash)	Included in E.	182	\$14,533	1	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
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	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	0	0	0	0	#VALUE!	\$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	\$0	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 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											
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	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
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	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	0	0	0	0	\$0
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	0	0	0	0	0	\$0
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	0	0	0	0	0	\$0
Reporting Subtotal							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
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	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
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	0	0	0	0	\$0
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.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	(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>							#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
TOTAL:							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
							Total Hours		Labor	Non-Labor	Total
								#VALUE!	#VALUE!	\$0	#VALUE!
										\$0	\$0
										\$0	\$0

FOOTNOTES

- ^a Based on the total number of existing units expected to continue operating once the guidelines become effective.
- ^b 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.
- ^c One-time only costs.
- ^d Cost incurred by a facility regardless of the number of affected units at the plant.
- ^e Annual cost. Annual costs are not incurred until the second year of operation.
- ^f Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- ^g Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- ^h Assumed that one-third of the facilities will petition for site-specific parameters.
- ⁱ 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.
- ^j Assumed that 10 percent of the facilities would have an exceedance during the year.
- ^k Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- ^l 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
		#VALUE!
#VALUE!	0	c, d, l
\$0	0	c
\$0	0	e
\$0	0	c
\$0	0	c
\$0	0	e
\$0	0	e
\$0	0	c
\$0	0	c, f
\$0	0	e, g
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	c

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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
\$0	0	
\$0	0	i
\$0	0	i
\$0	0	j
	0	
\$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	
\$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 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				#VALUE!						
2. Surveys and Studies	Not applicable				#VALUE!		#VALUE!	#VALUE!	#VALUE!		#VALUE!
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	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and	Included in E.	182	\$14,533	1	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	\$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	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	0	0	0	0	#VALUE!	#VALUE!
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	\$0	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 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)
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	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
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	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	0	0	0	0	\$0
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	0	0	0	0	0	\$0
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	0	0	0	0	0	\$0
Reporting Subtotal							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
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	0	\$0	52	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
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	0	0	0	0	\$0
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										
Recordkeeping Subtotal							#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
TOTAL:							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!

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, Incinerator

(H) (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)
								Total Hours	Labor	Non-Labor	Total
						Summary of Respondent Burden		#VALUE!	#VALUE!	\$0	#VALUE!
						Annualized Capital and Startup				\$0	\$0
						O & M Summary				\$0	\$0

FOOTNOTES

- ^a Based on the total number of existing units expected to continue operating once the guidelines become effective.
- ^b 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.
- ^c One-time only costs.
- ^d Cost incurred by a facility regardless of the number of affected units at the plant.
- ^e Annual cost. Annual costs are not incurred until the second year of operation.
- ^f Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- ^g Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- ^h Assumed that one-third of the facilities will petition for site-specific parameters.
- ⁱ 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.
- ^j Assumed that 10 percent of the facilities would have an exceedance during the year.
- ^k Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- ^l 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
		#VALUE!
#VALUE!		
\$0	0	c, d, l
\$0	0	c
\$0	0	e
\$0	0	c
\$0	0	c
\$0	0	e
\$0	0	e
\$0	0	c
\$0	0	c, f
\$0	0	e, g
\$0	0	
\$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
\$0	0	
\$0	0	i
\$0	0	i
\$0	0	j
	0	
\$0	0	
\$0	0	k
\$0	0	k
\$0	0	j
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	

ors

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

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 ^a	Labor Costs	Non-Labor (O&M) Costs	Total Costs
1	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$0	#VALUE!
2	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$0	#VALUE!
3	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$0	#VALUE!
Total	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$0	#VALUE!
Average	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$0	#VALUE!

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, Burn-Off On

for for Existing Stationary Sources: Commercial and Industrial Solid Waste (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				#VALUE!						
2. Surveys and Studies	Not applicable				#VALUE!		#VALUE!	#VALUE!	#VALUE!		#VALUE!
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$100	1	1	5	5	0	1	0	\$205
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	\$109,800	1	#VALUE!	15	#VALUE!	#VALUE!	#VALUE!	1,373	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and Fugitive Emissions)	Included in E.	182	\$14,533	1	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	0	\$0	1	64	5	320	16	32	0	\$13,101
b) Obtain operator qualification	72	0	\$0	1	72	5	360	18	36	0	\$14,738
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	15	600	30	60	#VALUE!	\$24,564
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$1,267	1	17	15	255	13	26	0	\$10,439
b) Annual costs	17	0	\$4,053	1	17	15	255	13	26	0	\$10,439
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	15	30	2	3	0	\$1,228
b) Fugitive Ash Emissions	1	0	\$0	1	1	15	15	1	2	0	\$614
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	5	10	1	1	0	\$409
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	0	\$7.50	1	8	15	120	6	12	0	\$4,913
b) Fugitive Ash Emissions	2	0	\$0	1	2	15	30	2	3	0	\$1,228
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	5	800	40	80	0	\$32,751

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, Burn-Off On

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											
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	0	\$0	1	6	3	18	1	2	0	\$737
b) With site specific parameter petition	14	0	\$0	1	14	2	28	1	3	0	\$1,146
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating parameter	Included in 3.B	0	\$0	1	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
9) Waste management plan	160	0	\$0	1	160	5	800	40	80	0	\$32,751
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	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
Reporting Subtotal							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
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.	0	\$0	52	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
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 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, Burn-Off On

for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units (H) (H)	(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)		
Total Labor Costs	Respondent Hours per Occurrence (Technical hours)	Hours Per Occurrence	Costs Per Occurrence	Number of Occurrences Per Respondent Per Year	Hours Per Respondent Per Year (C=A x B)	Number of Respondents Per Year (a)	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			
Burden Item													
F. Personnel Training	Included in 3.B												
G. Time for Audits	Not applicable												
Recordkeeping Subtotal							#VALUE!	#VALUE!	#VALUE!	0	#VALUE!		
TOTAL:							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!		
								Total Hours	Labor	Non-Labor	Total		
								#VALUE!	#VALUE!	\$1,666,000	#VALUE!		
								Summary of Respondent Burden		#VALUE!	#VALUE!	\$1,666,000	\$1,666,500
								Annualized Capital and Startup				\$1,666,500	\$1,666,500
								O & M Summary				\$60,800	\$60,800

FOOTNOTES

- ^a Based on the total number of existing units expected to continue operating once the guidelines become effective.
- ^b 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.
- ^c One-time only costs.
- ^d Cost incurred by a facility regardless of the number of affected units at the plant.
- ^e Annual cost. Annual costs are not incurred until the second year of operation.
- ^f Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- ^g Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- ^h Assumed that one-third of the facilities will petition for site-specific parameters.
- ⁱ 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.
- ^j Assumed that 10 percent of the facilities would have an exceedance during the year.
- ^k Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- ^l 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
		#VALUE!
#VALUE! \$500	5	c, d, l
\$1,647,000	15	c
\$0	0	e
\$0	5	c
\$0	5	c
\$0	0	e
\$0	0	e
\$0	15	c
\$19,000	15	c, f
\$60,800	15	e, g
\$0	15	
\$0	15	
\$0	5	
\$113	15	
\$0	15	
\$0	5	c

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Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	3	c, h
\$0	2	c, h
\$0	0	c
\$0	5	c
\$0	0	
\$0	1	i
\$0	2	i
\$8	1	j
	159	
\$0	0	
\$0	0	k
\$0	0	k
\$0	1	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	1	
\$1,727,420	160	

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, Burn-Off 0

for for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units (H) (H) Tot:Total Lab: 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				#VALUE!						
2. Surveys and Studies	Not applicable				#VALUE!		#VALUE!	#VALUE!	#VALUE!		#VALUE!
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	\$109,800	1	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	1,373	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and	Included in E.	182	\$14,533	1	#VALUE!	15	#VALUE!	#VALUE!	#VALUE!	2,725	\$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	5	60	3	6	0	\$2,456
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	5	40	2	4	0	\$1,638
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	0	0	0	0	#VALUE!	#VALUE!
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	\$4,053	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, Burn-Off O

for for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Burn-Off O (H) (H) Tot:Total LabrLabor 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	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
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	15	600	30	60	0	\$24,564
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>ReportingSubtotal</i>							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
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	0	\$0	52	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
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	5	5	0	1	0	\$205
8) Records of persons who have completed operator training	1	0	\$0	1	1	5	5	0	1	0	\$205
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	5	5	0	1	0	\$205
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	5	120	6	12	0	\$4,913
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
<i>Recordkeeping Subtotal</i>							#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
TOTAL:							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!

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, Burn-Off On

for for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units (H) (H) Tot:Total Lab: 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								Total Hours	Labor	Non-Labor	Total
						Summary of Respondent Burden		#VALUE!	#VALUE!	\$297,920	#VALUE!
						Annualized Capital and Startup				\$19,000	\$19,000
						O & M Summary				\$60,800	\$60,800

FOOTNOTES

- ^a Based on the total number of existing units expected to continue operating once the guidelines become effective.
- ^b 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.
- ^c One-time only costs.
- ^d Cost incurred by a facility regardless of the number of affected units at the plant.
- ^e Annual cost. Annual costs are not incurred until the second year of operation.
- ^f Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- ^g Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- ^h Assumed that one-third of the facilities will petition for site-specific parameters.
- ⁱ 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.
- ^j Assumed that 10 percent of the facilities would have an exceedance during the year.
- ^k Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- ^l Assumed \$100 for purchase of filing cabinet to house copy of rule, records and report copies.

/ens

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
		#VALUE!
#VALUE! \$0	0	c, d, l
\$0	0	c
\$218,000	15	e
\$0	0	c
\$0	0	c
\$0	5	e
\$0	5	e
\$0	0	c
\$19,000	0	c, f
\$60,800	0	e, g
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	

/ens

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
\$113	15	
\$0	1	i
\$0	2	i
\$8	1	j
	44	
\$0	0	
\$0	0	k
\$0	0	k
\$0	1	j
\$0	5	
\$0	5	
\$0	5	
\$0	5	
\$0	21	
\$297,920	65	

/ens

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, Burn-Off 0

for for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units (H) (H) Tot:Total LabrLabor 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				#VALUE!						
2. Surveys and Studies	Not applicable				#VALUE!		#VALUE!	#VALUE!	#VALUE!		#VALUE!
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	\$109,800	1	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	1,373	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and	Included in E.	182	\$14,533	1	#VALUE!	15	#VALUE!	#VALUE!	#VALUE!	2,725	\$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	5	60	3	6	0	\$2,456
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	5	40	2	4	0	\$1,638
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	0	0	0	0	#VALUE!	#VALUE!
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	\$4,053	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, Burn-Off 0

for for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units (H) (H) Tot:Total Lab: 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	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
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	15	600	30	60	0	\$24,564
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
Reporting Subtotal							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
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	0	\$0	52	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
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	5	5	0	1	0	\$205
8) Records of persons who have completed operator training	1	0	\$0	1	1	5	5	0	1	0	\$205
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	5	5	0	1	0	\$205
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	5	120	6	12	0	\$4,913
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
Recordkeeping Subtotal							#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
TOTAL:							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!

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, Burn-Off On

for for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units (H) (H) Tot:Total Lab: 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								Total Hours	Labor	Non-Labor	Total
						Summary of Respondent Burden		#VALUE!	#VALUE!	\$297,920	#VALUE!
						Annualized Capital and Startup				\$19,000	\$19,000
						O & M Summary				\$60,800	\$60,800

FOOTNOTES

- ^a Based on the total number of existing units expected to continue operating once the guidelines become effective.
- ^b 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.
- ^c One-time only costs.
- ^d Cost incurred by a facility regardless of the number of affected units at the plant.
- ^e Annual cost. Annual costs are not incurred until the second year of operation.
- ^f Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- ^g Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- ^h Assumed that one-third of the facilities will petition for site-specific parameters.
- ⁱ 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.
- ^j Assumed that 10 percent of the facilities would have an exceedance during the year.
- ^k Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- ^l Assumed \$100 for purchase of filing cabinet to house copy of rule, records and report copies.

/ens

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
		#VALUE!
#VALUE! \$0	0	c, d, l
\$0	0	c
\$218,000	15	e
\$0	0	c
\$0	0	c
\$0	5	e
\$0	5	e
\$0	0	c
\$19,000	0	c, f
\$60,800	0	e, g
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	

/ens

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
\$113	15	
\$0	1	i
\$0	2	i
\$8	1	j
	44	
\$0	0	
\$0	0	k
\$0	0	k
\$0	1	j
\$0	5	
\$0	5	
\$0	5	
\$0	5	
\$0	21	
\$297,920	65	

/ens

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, Burn-Off Ovens

Year	Technical Hours	Management Hours	Clerical Hours	Total Hours	Testing Contractor Hours ^a	Labor Costs	Non-Labor (O&M) Costs	Total Costs
1	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$1,727,420	#VALUE!
2	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$297,920	#VALUE!
3	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$297,920	#VALUE!
Total	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$2,323,260	#VALUE!
Average	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$774,420	#VALUE!

**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)
1. Applications	Not applicable				#VALUE!						
2. Surveys and Studies	Not applicable				#VALUE!		#VALUE!	#VALUE!	#VALUE!		#VALUE!
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$100	1	1	1	1	0	0	0	\$41
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	\$28,750	1	#VALUE!	2	#VALUE!	#VALUE!	#VALUE!	359	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and Fu	Included in E.	182	\$14,533	1	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	0	\$0	1	64	1	64	3	6	0	\$2,620
b) Obtain operator qualification	72	0	\$0	1	72	1	72	4	7	0	\$2,948
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	2	80	4	8	#VALUE!	\$3,275
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$0	1	17	2	34	2	3	0	\$1,392
b) Annual costs	17	0	\$0	1	17	2	34	2	3	0	\$1,392
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	2	4	0	0	0	\$164
b) Fugitive Ash Emissions	1	0	\$0	1	1	2	2	0	0	0	\$82
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	1	2	0	0	0	\$82
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	0	\$7.50	1	8	2	16	1	2	0	\$655
b) Fugitive Ash Emissions	2	0	\$0	1	2	2	4	0	0	0	\$164
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	1	160	8	16	0	\$6,550

**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. (H) (H)	(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	1	14	1	1	0	\$573
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	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
9) Waste management plan	160	0	\$0	1	160	1	160	8	16	0	\$6,550
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
Reporting Subtotal							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
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	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
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 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)
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
Recordkeeping Subtotal							#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
TOTAL:							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
							Total Hours				
							Summary of Respondent Burden	#VALUE!	#VALUE!	\$57,500	#VALUE!
							Annualized Capital and Startup			\$57,600	\$57,600
							O & M Summary			\$0	\$0

FOOTNOTES

- ^a Based on the total number of existing units expected to continue operating once the guidelines become effective.
- ^b 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.
- ^c One-time only costs.
- ^d Cost incurred by a facility regardless of the number of affected units at the plant.
- ^e Annual cost. Annual costs are not incurred until the second year of operation.
- ^f Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- ^g Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- ^h Assumed that one-third of the facilities will petition for site-specific parameters.
- ⁱ 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.
- ^j Assumed that 10 percent of the facilities would have an exceedance during the year.
- ^k Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- ^l 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
		#VALUE!
#VALUE! \$100	1	c, d, l
\$57,500	2	c
\$0	0	e
\$0	1	c
\$0	1	c
\$0	0	e
\$0	0	e
\$0	2	c
\$0	2	c, f
\$0	2	e, g
\$0	2	
\$0	2	
\$0	1	
\$15	2	
\$0	2	
\$0	1	c

inertors

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c, h
\$0	1	c, h
\$0	0	c
\$0	1	c
\$0	0	
\$0	1	i
\$0	2	i
\$8	1	j
	27	
\$0	0	
\$0	0	k
\$0	0	k
\$0	1	j
\$0	0	
\$0	0	
\$0	0	
\$0	0	

inertors

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	1	
\$57,623	28	

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				#VALUE!						
2. Surveys and Studies	Not applicable				#VALUE!		#VALUE!	#VALUE!	#VALUE!		#VALUE!
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	\$28,750	1	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	359	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and	Included in E.	182	\$14,533	1	#VALUE!	2	#VALUE!	#VALUE!	#VALUE!	363	\$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	1	12	1	1	0	\$491
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	1	8	0	1	0	\$328
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	0	0	0	0	#VALUE!	#VALUE!
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	\$0	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) (H) Tot:Total Lab: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 param	Included in 3.B	0	\$0	1	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
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	2	80	4	8	0	\$3,275
11) Status report for operators that are off-site for more tha	8	0	\$0	1	8	1	8	0	1	0	\$328
12) Corrective action summary for operators that are off-site for more	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
ReportingSubtotal							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
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.	0	\$0	52	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
2) Records of periods for which minimum amount of data on oper 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	1	1	0	0	0	\$41
8) Records of persons who have completed operator training	1	0	\$0	1	1	1	1	0	0	0	\$41
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	1	1	0	0	0	\$41
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	1	24	1	2	0	\$983

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 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)	
F. Personnel Training	Included in 3.B											
G. Time for Audits	Not applicable											
Recordkeeping Subtotal							#VALUE!	#VALUE!	#VALUE!	0	#VALUE!	
TOTAL:							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	
								Total Hours	Labor	Non-Labor	Total	
								Summary of Respondent Burden	#VALUE!	#VALUE!	\$29,089	#VALUE!
								Annualized Capital and Startup			\$0	\$0
								O & M Summary			\$0	\$0

FOOTNOTES

- ^a Based on the total number of existing units expected to continue operating once the guidelines become effective.
- ^b 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.
- ^c One-time only costs.
- ^d Cost incurred by a facility regardless of the number of affected units at the plant.
- ^e Annual cost. Annual costs are not incurred until the second year of operation.
- ^f Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- ^g Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- ^h Assumed that one-third of the facilities will petition for site-specific parameters.
- ⁱ 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.
- ^j Assumed that 10 percent of the facilities would have an exceedance during the year.
- ^k Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- ^l 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
		#VALUE!
#VALUE!		
\$0	0	c, d, l
\$0	0	c
\$29,067	2	e
\$0	0	c
\$0	0	c
\$0	1	e
\$0	1	e
\$0	0	c
\$0	0	c, f
\$0	0	e, g
\$0	0	
\$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
\$15	2	
\$0	1	i
\$0	2	i
\$8	1	j
	10	
\$0	0	
\$0	0	k
\$0	0	k
\$0	1	j
\$0	1	
\$0	1	
\$0	1	
\$0	1	

inertors

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	5	
\$29,089	15	

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 Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units (H) (H)	(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)
1. Applications	Not applicable				#VALUE!						
2. Surveys and Studies	Not applicable				#VALUE!		#VALUE!	#VALUE!	#VALUE!		#VALUE!
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	\$28,750	1	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	359	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and	Included in E.	182	\$14,533	1	#VALUE!	2	#VALUE!	#VALUE!	#VALUE!	363	\$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	1	12	1	1	0	\$491
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	1	8	0	1	0	\$328
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	0	0	0	0	#VALUE!	#VALUE!
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	\$0	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

for for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units (H) (H) Tot:Total Lab: 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	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
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	2	80	4	8	0	\$3,275
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
Reporting Subtotal							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
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	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
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	1	1	0	0	0	\$41
8) Records of persons who have completed operator training	1	0	\$0	1	1	1	1	0	0	0	\$41
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	1	1	0	0	0	\$41
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	1	24	1	2	0	\$983

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 Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units (H) (H)	(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)	
F. Personnel Training	Included in 3.B											
G. Time for Audits	Not applicable											
<i>Recordkeeping Subtotal</i>							#VALUE!	#VALUE!	#VALUE!	0	#VALUE!	
TOTAL:							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	
								Total Hours		Labor	Non-Labor	Total
									#VALUE!	#VALUE!	\$29,089	#VALUE!
											\$0	\$0
											\$0	\$0

FOOTNOTES

- ^a Based on the total number of existing units expected to continue operating once the guidelines become effective.
- ^b 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.
- ^c One-time only costs.
- ^d Cost incurred by a facility regardless of the number of affected units at the plant.
- ^e Annual cost. Annual costs are not incurred until the second year of operation.
- ^f Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- ^g Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- ^h Assumed that one-third of the facilities will petition for site-specific parameters.
- ⁱ 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.
- ^j Assumed that 10 percent of the facilities would have an exceedance during the year.
- ^k Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- ^l 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
		#VALUE!
#VALUE!		
\$0	0	c, d, l
\$0	0	c
\$29,067	2	e
\$0	0	c
\$0	0	c
\$0	1	e
\$0	1	e
\$0	0	c
\$0	0	c, f
\$0	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
\$15	2	
\$0	1	i
\$0	2	i
\$8	1	j
	10	
\$0	0	
\$0	0	k
\$0	0	k
\$0	1	j
\$0	1	
\$0	1	
\$0	1	
\$0	1	

.nerators

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	5	
\$29,089	15	

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 ^a	Labor Costs	Non-Labor (O&M) Costs	Total Costs
1	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$57,623	#VALUE!
2	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$29,089	#VALUE!
3	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$29,089	#VALUE!
Total	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$115,801	#VALUE!
Average	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$38,600	#VALUE!

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

for Existing Stationary Sources: Commercial and Industrial Solid Waste Incin (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				#VALUE!						
2. Surveys and Studies	Not applicable				#VALUE!		#VALUE!	#VALUE!	#VALUE!		#VALUE!
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$100	1	1	25	25	1	3	0	\$1,023
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	\$45,917	1	#VALUE!	40	#VALUE!	#VALUE!	#VALUE!	574	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and Fugitive Ash)	Included in E.	632	\$50,533	1	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	0	\$0	1	64	25	1,600	80	160	0	\$65,503
b) Obtain operator qualification	72	0	\$0	1	72	25	1,800	90	180	0	\$73,691
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	40	1,600	80	160	#VALUE!	\$65,503
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$25,900	1	17	40	680	34	68	0	\$27,839
b) Annual costs	17	0	\$77,296	1	17	40	680	34	68	0	\$27,839
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	40	80	4	8	0	\$3,275
b) Fugitive Ash Emissions	1	0	\$0	1	1	40	40	2	4	0	\$1,638
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	25	50	3	5	0	\$2,047
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	0	\$7.50	1	8	40	320	16	32	0	\$13,101
b) Fugitive Ash Emissions	2	0	\$0	1	2	40	80	4	8	0	\$3,275
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	25	4,000	200	400	0	\$163,757
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	0	\$0	1	6	16	96	5	10	0	\$3,930
b) With site specific parameter petition	14	0	\$0	1	14	9	126	6	13	0	\$5,158

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

for Existing Stationary Sources: Commercial and Industrial Solid Waste Incin (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	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
9) Waste management plan	160	0	\$0	1	160	25	4,000	200	400	0	\$163,757
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	3	24	1	2	0	\$983
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	3	48	2	5	0	\$1,965
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	3	72	4	7	0	\$2,948
<i>Reporting Subtotal</i>							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
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	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
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	3	5	0	0	0	\$184
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

for Existing Stationary Sources: Commercial and Industrial Solid Waste Incin (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>							#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
TOTAL:							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
								Total Hours	Labor	Non-Labor	Total
								#VALUE!	#VALUE!	\$5,967,301	#VALUE!
								Annualized Capital and Startup		\$2,875,159	\$2,875,159
								O & M Summary		\$3,091,820	\$3,091,820

FOOTNOTES

- ^a Based on the total number of existing units expected to continue operating once the guidelines become effective.
- ^b 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.
- ^c One-time only costs.
- ^d Cost incurred by a facility regardless of the number of affected units at the plant.
- ^e Annual cost. Annual costs are not incurred until the second year of operation.
- ^f Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- ^g Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- ^h Assumed that one-third of the facilities will petition for site-specific parameters.
- ⁱ 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.
- ^j Assumed that 10 percent of the facilities would have an exceedance during the year.
- ^k Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- ^l Assumed \$100 for purchase of filing cabinet to house copy of rule, records and report copies.

Units

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
		#VALUE!
#VALUE! \$2,500	25	c,d,l
\$1,836,667	40	c
\$0	0	e
\$0	25	c
\$0	25	c
\$0	0	e
\$0	0	e
\$0	40	c
\$1,035,992	40	f
\$3,091,820	40	e,g
\$0	40	
\$0	40	
\$0	25	
\$300	40	
\$0	40	
\$0	25	c
\$0	16	c,h
\$0	9	c,h

Units

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c
\$0	25	c
\$0	0	
\$0	3	i
\$0	6	i
\$23	3	j
	507	
\$0	0	
\$0	0	k
\$0	0	k
\$0	3	j
\$0	0	
\$0	0	
\$0	0	
\$0	0	

Units

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	3	
\$5,967,301	510	

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 Recover

for for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Energy Recover (H) (H) Tot:Total Lab: 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				#VALUE!						
2. Surveys and Studies	Not applicable				#VALUE!		#VALUE!	#VALUE!	#VALUE!		#VALUE!
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	\$45,917	1	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	574	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and	Included in E.	632	\$50,533	1	#VALUE!	40	#VALUE!	#VALUE!	#VALUE!	25,267	\$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	25	300	15	30	0	\$12,282
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	25	200	10	20	0	\$8,188
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	0	0	0	0	#VALUE!	#VALUE!
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	\$77,296	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 Recover

for for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Energy Recover (H) (H) Tot:Total Lab: 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											
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	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
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	40	1,600	80	160	0	\$65,503
11) Status report for operators that are off-site for more than 2 weeks	8	0	\$0	1	8	3	24	1	2	0	\$983
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	3	48	2	5	0	\$1,965
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	3	72	4	7	0	\$2,948
ReportingSubtotal							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
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.	0	\$0	52	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
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	3	5	0	0	0	\$184
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	25	25	1	3	0	\$1,023
8) Records of persons who have completed operator training	1	0	\$0	1	1	25	25	1	3	0	\$1,023
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	25	25	1	3	0	\$1,023
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	25	600	30	60	0	\$24,564

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 Recover

for for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units (H) (H) Tot:Total Lab: 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>							#VALUE!	#VALUE!	#VALUE!	0	#VALUE!	
TOTAL:							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	
							Total Hours		Labor	Non-Labor	Total	
							Summary of Respondent Burden		#VALUE!	#VALUE!	\$6,149,468	#VALUE!
							Annualized Capital and Startup				\$1,035,992	\$1,035,992
							O & M Summary				\$3,091,820	\$3,091,820

FOOTNOTES

- ^a Based on the total number of existing units expected to continue operating once the guidelines become effective.
- ^b 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.
- ^c One-time only costs.
- ^d Cost incurred by a facility regardless of the number of affected units at the plant.
- ^e Annual cost. Annual costs are not incurred until the second year of operation.
- ^f Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- ^g Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- ^h Assumed that one-third of the facilities will petition for site-specific parameters.
- ⁱ 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.
- ^j Assumed that 10 percent of the facilities would have an exceedance during the year.
- ^k Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- ^l Assumed \$100 for purchase of filing cabinet to house copy of rule, records and report copies.

y Units

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
		#VALUE!
#VALUE! \$0	0	c, d, l
\$0	0	c
\$2,021,333	40	e
\$0	0	c
\$0	0	c
\$0	25	e
\$0	25	e
\$0	0	c
\$1,035,992	0	c, f
\$3,091,820	0	e, g
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	c

y Units

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
\$300	40	
\$0	3	i
\$0	6	i
\$23	3	j
	142	
\$0	0	
\$0	0	k
\$0	0	k
\$0	3	j
\$0	25	
\$0	25	
\$0	25	
\$0	25	

y Units

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	103	
\$6,149,468	245	

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 Recover

(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				#VALUE!						
2. Surveys and Studies	Not applicable				#VALUE!		#VALUE!	#VALUE!	#VALUE!		#VALUE!
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	\$45,917	1	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	574	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and	Included in E.	632	\$50,533	1	#VALUE!	40	#VALUE!	#VALUE!	#VALUE!	25,267	\$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	25	300	15	30	0	\$12,282
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	25	200	10	20	0	\$8,188
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	0	0	0	0	#VALUE!	#VALUE!
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	\$77,296	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 Recover

(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)
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	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
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	40	1,600	80	160	0	\$65,503
11) Status report for operators that are off-site for more than 2 weeks	8	0	\$0	1	8	3	24	1	2	0	\$983
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	3	48	2	5	0	\$1,965
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	3	72	4	7	0	\$2,948
Reporting Subtotal							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
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	0	\$0	52	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
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	3	5	0	0	0	\$184
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	25	25	1	3	0	\$1,023
8) Records of persons who have completed operator training	1	0	\$0	1	1	25	25	1	3	0	\$1,023
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	25	25	1	3	0	\$1,023
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	25	600	30	60	0	\$24,564
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
Recordkeeping Subtotal							#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
TOTAL:							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!

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 Recover

(H) (H) Tot:Total Lab: 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											
							Total Hours		Labor	Non-Labor	Total
						Summary of Respondent Burden		#VALUE!	#VALUE!	\$6,149,468	#VALUE!
						Annualized Capital and Startup				\$1,035,992	\$1,035,992
						O & M Summary				\$3,091,820	\$3,091,820

FOOTNOTES

- ^a Based on the total number of existing units expected to continue operating once the guidelines become effective.
- ^b 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.
- ^c One-time only costs.
- ^d Cost incurred by a facility regardless of the number of affected units at the plant.
- ^e Annual cost. Annual costs are not incurred until the second year of operation.
- ^f Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- ^g Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- ^h Assumed that one-third of the facilities will petition for site-specific parameters.
- ⁱ 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.
- ^j Assumed that 10 percent of the facilities would have an exceedance during the year.
- ^k Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- ^l Assumed \$100 for purchase of filing cabinet to house copy of rule, records and report copies.

y Units

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
		#VALUE!
#VALUE! \$0	0	c, d, l
\$0	0	c
\$2,021,333	40	e
\$0	0	c
\$0	0	c
\$0	25	e
\$0	25	e
\$0	0	c
\$1,035,992	0	c, f
\$3,091,820	0	e, g
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	

y Units

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
\$300	40	
\$0	3	i
\$0	6	i
\$23	3	j
	142	
\$0	0	
\$0	0	k
\$0	0	k
\$0	3	j
\$0	25	
\$0	25	
\$0	25	
\$0	25	
\$0	103	
\$6,149,468	245	

y Units

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

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

Year	Technical Hours	Management Hours	Clerical Hours	Total Hours	Testing Contractor Hours ^a	Labor Costs	Non-Labor (O&M) Costs	Total Costs
1	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$5,967,301	#VALUE!
2	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$6,149,468	#VALUE!
3	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$6,149,468	#VALUE!
Total	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$18,266,237	#VALUE!
Average	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$6,088,746	#VALUE!

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, Cement Ki

for for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Cement Kilns (H) (H) Tot:Total LabrLabor 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				#VALUE!						
2. Surveys and Studies	Not applicable				#VALUE!		#VALUE!	#VALUE!	#VALUE!		#VALUE!
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$100	1	1	36	36	2	4	0	\$1,474
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	\$32,987	1	#VALUE!	53	#VALUE!	#VALUE!	#VALUE!	412	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and	Included in E.	357	\$28,533	1	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	0	\$0	1	64	36	2,304	115	230	0	\$94,324
b) Obtain operator qualification	72	0	\$0	1	72	36	2,592	130	259	0	\$106,114
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	53	2,120	106	212	#VALUE!	\$86,791
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$660	1	17	53	901	45	90	0	\$36,886
b) Annual costs	17	0	\$1,830	1	17	53	901	45	90	0	\$36,886
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	53	106	5	11	0	\$4,340
b) Fugitive Ash Emissions	1	0	\$0	1	1	53	53	3	5	0	\$2,170
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	36	72	4	7	0	\$2,948
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	0	\$7.50	1	8	53	424	21	42	0	\$17,358
b) Fugitive Ash Emissions	2	0	\$0	1	2	53	106	5	11	0	\$4,340

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, Cement Kiln

for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units (H) (H) Tot:Total Lab: 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	36	5,760	288	576	0	\$235,810
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	0	\$0	1	6	24	144	7	14	0	\$5,895
b) With site specific parameter petition	14	0	\$0	1	14	12	168	8	17	0	\$6,878
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	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
9) Waste management plan	160	0	\$0	1	160	36	5,760	288	576	0	\$235,810
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	4	32	2	3	0	\$1,310
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	4	64	3	6	0	\$2,620
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	4	96	5	10	0	\$3,930
Reporting Subtotal							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
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	0	\$0	52	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
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	4	6	0	1	0	\$246
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										
Recordkeeping Subtotal							#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
TOTAL:							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!

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, Cement Kilns

for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units (H) (H) Tot:Total Lab: Labor Costs Burden Item	(A)	Emission	Non-Labor	(B)	(C)	(D)	(E)	(F)	(G)	(H)	Total
	Respondent Hours per Occurrence (Technical hours)	Testing Contractor Hours Per Occurrence	Costs Per Occurrence	Number of Occurrences Per Respondent Per Year	Hours Per Respondent Per Year (C=A x B)	Number of Respondents Per Year (a)	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	Labor Costs Per Year (b)
								Total Hours	Labor	Non-Labor	Total
					Summary of Respondent Burden			#VALUE!	#VALUE!	\$1,884,361	#VALUE!
					Annualized Capital and Startup					\$1,786,933	\$1,786,933
					O & M Summary					\$97,000	\$97,000

FOOTNOTES

- ^a Based on the total number of existing units expected to continue operating once the guidelines become effective.
- ^b 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.
- ^c One-time only costs.
- ^d Cost incurred by a facility regardless of the number of affected units at the plant.
- ^e Annual cost. Annual costs are not incurred until the second year of operation.
- ^f Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- ^g Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- ^h Assumed that one-third of the facilities will petition for site-specific parameters.
- ⁱ 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.
- ^j Assumed that 10 percent of the facilities would have an exceedance during the year.
- ^k Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- ^l Assumed \$100 for purchase of filing cabinet to house copy of rule, records and report copies.

lns

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
		#VALUE!
#VALUE! \$3,600	36	c, d, l
\$1,748,333	53	c
\$0	0	e
\$0	36	c
\$0	36	c
\$0	0	e
\$0	0	e
\$0	53	c
\$35,000	53	c, f
\$97,000	53	e, g
\$0	53	
\$0	53	
\$0	36	
\$398	53	
\$0	53	

lns

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	36	c
\$0	24	c, h
\$0	12	c, h
\$0	0	c
\$0	36	c
\$0	0	
\$0	4	i
\$0	8	i
\$30	4	j
	692	
\$0	0	
\$0	0	k
\$0	0	k
\$0	4	j
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	4	
\$1,884,361	696	

Ins

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, Cement Ki

for for Existing Stationary Sources: Commercial and Industrial Solid (H) (H) Tot: Total Lab: 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											
1. Applications	Not applicable				#VALUE!						
2. Surveys and Studies	Not applicable				#VALUE!		#VALUE!	#VALUE!	#VALUE!		#VALUE!
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	\$32,987	1	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	412	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and Fu	Included in E.	357	\$28,533	1	#VALUE!	53	#VALUE!	#VALUE!	#VALUE!	18,903	\$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	36	432	22	43	0	\$17,686
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	36	288	14	29	0	\$11,790
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	0	0	0	0	#VALUE!	#VALUE!
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	\$1,830	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, Cement Ki

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											
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	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
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	53	2,120	106	212	0	\$86,791
11) Status report for operators that are off-site for more than 2 weeks	8	0	\$0	1	8	4	32	2	3	0	\$1,310
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	4	64	3	6	0	\$2,620
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	4	96	5	10	0	\$3,930
Reporting Subtotal							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
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.5.1	0	\$0	52	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
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	4	6	0	1	0	\$246
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	36	36	2	4	0	\$1,474
8) Records of persons who have completed operator training	1	0	\$0	1	1	36	36	2	4	0	\$1,474
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	36	36	2	4	0	\$1,474
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	36	864	43	86	0	\$35,371

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, Cement Ki

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>							#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
TOTAL:							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
							Total Hours	Labor	Non-Labor	Total	
							Summary of Respondent Burden	#VALUE!	#VALUE!	\$1,644,694	#VALUE!
							Annualized Capital and Startup			\$35,000	\$35,000
							O & M Summary			\$97,000	\$97,000

FOOTNOTES

- ^a Based on the total number of existing units expected to continue operating once the guidelines become effective.
- ^b 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.
- ^c One-time only costs.
- ^d Cost incurred by a facility regardless of the number of affected units at the plant.
- ^e Annual cost. Annual costs are not incurred until the second year of operation.
- ^f Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- ^g Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- ^h Assumed that one-third of the facilities will petition for site-specific parameters.
- ⁱ 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.
- ^j Assumed that 10 percent of the facilities would have an exceedance during the year.
- ^k Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- ^l Assumed \$100 for purchase of filing cabinet to house copy of rule, records and report copies.

Ins

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
		#VALUE!
#VALUE! \$0	0	c, d, l
\$0	0	c
\$1,512,267	53	e
\$0	0	c
\$0	0	c
\$0	36	e
\$0	36	e
\$0	0	c
\$35,000	0	c, f
\$97,000	0	e, g
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	c

Ins

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
\$398	53	
\$0	4	i
\$0	8	i
\$30	4	j
	194	
\$0	0	
\$0	0	k
\$0	0	k
\$0	4	j
\$0	36	
\$0	36	
\$0	36	
\$0	36	

Ins

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	148	
\$1,644,694	342	

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, Cement Kiln

for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units (H) (H) Tot:Total Lab: 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				#VALUE!						
2. Surveys and Studies	Not applicable				#VALUE!		#VALUE!	#VALUE!	#VALUE!		#VALUE!
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	\$32,987	1	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	412	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and	Included in E.	357	\$28,533	1	#VALUE!	53	#VALUE!	#VALUE!	#VALUE!	18,903	\$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	36	432	22	43	0	\$17,686
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	36	288	14	29	0	\$11,790
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	0	0	0	0	#VALUE!	#VALUE!
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	\$1,830	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, Cement Kiln

for for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 3, Cement Kiln (H) (H) Tot:Total Lab: 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											
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	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
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	53	2,120	106	212	0	\$86,791
11) Status report for operators that are off-site for more than 2 weeks	8	0	\$0	1	8	4	32	2	3	0	\$1,310
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	4	64	3	6	0	\$2,620
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	4	96	5	10	0	\$3,930
ReportingSubtotal							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
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.	0	\$0	52	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!
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	4	6	0	1	0	\$246
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	36	36	2	4	0	\$1,474
8) Records of persons who have completed operator training	1	0	\$0	1	1	36	36	2	4	0	\$1,474
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	36	36	2	4	0	\$1,474
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	36	864	43	86	0	\$35,371

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, Cement Kiln

for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units (H) (H) Tot:Total Lab: 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 (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>							#VALUE!	#VALUE!	#VALUE!	0	#VALUE!	
TOTAL:							#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	
							Total Hours		Labor	Non-Labor	Total	
							Summary of Respondent Burden		#VALUE!	#VALUE!	\$1,644,694	#VALUE!
							Annualized Capital and Startup				\$35,000	\$35,000
							O & M Summary				\$97,000	\$97,000

FOOTNOTES

- ^a Based on the total number of existing units expected to continue operating once the guidelines become effective.
- ^b 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.
- ^c One-time only costs.
- ^d Cost incurred by a facility regardless of the number of affected units at the plant.
- ^e Annual cost. Annual costs are not incurred until the second year of operation.
- ^f Based on the sum of the annualized capital costs for each monitoring system required for incinerators.
- ^g Based on the sum of the calculated annual cost for each monitoring system required for incinerators.
- ^h Assumed that one-third of the facilities will petition for site-specific parameters.
- ⁱ 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.
- ^j Assumed that 10 percent of the facilities would have an exceedance during the year.
- ^k Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- ^l Assumed \$100 for purchase of filing cabinet to house copy of rule, records and report copies.

lns

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
		#VALUE!
#VALUE! \$0	0	c, d, l
\$0	0	c
\$1,512,267	53	e
\$0	0	c
\$0	0	c
\$0	36	e
\$0	36	e
\$0	0	c
\$35,000	0	c, f
\$97,000	0	e, g
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	c

lns

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
\$398	53	
\$0	4	i
\$0	8	i
\$30	4	j
	194	
\$0	0	
\$0	0	k
\$0	0	k
\$0	4	j
\$0	36	
\$0	36	
\$0	36	
\$0	36	

Ins

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	148	
\$1,644,694	342	

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, Cement Kilns

Year	Technical Hours	Management Hours	Clerical Hours	Total Hours	Testing Contractor Hours ^a	Labor Costs	Non-Labor (O&M) Costs	Total Costs
1	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$1,884,361	#VALUE!
2	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$1,644,694	#VALUE!
3	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$1,644,694	#VALUE!
Total	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$5,173,749	#VALUE!
Average	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$1,724,583	#VALUE!

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 ^a	Labor Costs	Non-Labor (O&M) Costs
1	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$9,636,705
2	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$8,121,171
3	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$8,121,171
Total	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$25,879,047
Average	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	\$8,626,349

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

**the Emissions
Subpart DDDD,**

Total Costs
#VALUE!
#VALUE!
#VALUE!
#VALUE!
#VALUE!

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)	22	c, d	48	1056	53	106	\$62,988
B. Excess emissions -- Enforcement Activities	11	f	24	264	13	26	\$15,747
C. Create Information	not applicable						
D. Gather Information	not applicable						
E. Report Reviews							
1) Review waste management plan and siting analysis	67	c	8	536	27	54	\$31,971
2) Review report submitted prior to initial startup	67	c	2	134	7	13	\$7,993
3) Review initial stack test report	110	c	40	4400	220	440	\$262,451
4) Review annual compliance report	0	e	8	0	0	0	\$0
5) Review semi-annual excess emission and parameter exceedance report	9	f	16	144	7	14	\$8,589
6) Review status reports and corrective action summary for operators off-site	18	g	4	72	4	7	\$4,295
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			\$19,388
TOTAL				6822	341	682	\$426,306

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	11	f	24	264	13	26	\$15,747
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	110	e	8	880	44	88	\$52,490
5) Review semi-annual excess emission and parameter exceedance report	9	f	16	144	7	14	\$8,589
6) Review status reports and corrective action summary for operators off-site	18	g	4	72	4	7	\$4,295
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				1560	78	156	\$93,051

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	11	f	24	264	13	26	\$15,747
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	110	e	8	880	44	88	\$52,490
5) Review semi-annual excess emission and parameter exceedance report	9	f	16	144	7	14	\$8,589
6) Review status reports and corrective action summary for operators off-site	18	g	4	72	4	7	\$4,295
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 tri				per trip			\$0
TOTAL				1560	78	156	\$93,051

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	6,822	341	682	7,845	\$426,306	\$0	\$426,306
2	1,560	78	156	1,794	\$93,051	\$0	\$93,051
3	1,560	78	156	1,794	\$93,051	\$0	\$93,051
Total	9,942	497	994	11,433	\$612,408	\$0	\$612,408
Average	3,314	166	331	3,811	\$204,136	\$0	\$204,136