

Cost Factor (in 2008\$)	Reference/Note
Advanced Combustion Controls (Linkageless Boiler Management System) -- cost is per boiler - TCI	
<p>\$</p> <p>19,127</p>	<p>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.</p>
Activated Carbon Injection	
<p>Hospital/Medical/Infectious Waste Incinerators (HMIWI). [EPA-HQ-OAR-2006-0534]</p>	<p>Received spreadsheet of HMIWI model costs from Tom Holloway of RTI International.</p>
Fabric Filter	
<p>Hospital/Medical/Infectious Waste Incinerators (HMIWI). [EPA-HQ-OAR-2006-0534]</p>	<p>Received spreadsheet of HMIWI model costs from Tom Holloway of RTI International.</p>
Packed Scrubber	
<p>Hospital/Medical/Infectious Waste Incinerators (HMIWI). [EPA-HQ-OAR-2006-0534]</p>	<p>Received spreadsheet of HMIWI model costs from Tom Holloway of RTI International.</p>
Secondary Chamber/Afterburner Retrofit	
<p>Hospital/Medical/Infectious Waste Incinerators (HMIWI). [EPA-HQ-OAR-2006-0534]</p>	<p>Received spreadsheet of HMIWI model costs from Tom Holloway of RTI International.</p>
Selective Non-Catalytic Reduction	
<p>Hospital/Medical/Infectious Waste Incinerators (HMIWI). [EPA-HQ-OAR-2006-0534]</p>	<p>Received spreadsheet of HMIWI model costs from Tom Holloway of RTI International.</p>
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. Annual Respondent Burden and Cost Summary – Emission Guidelines for Commercial and Industrial Solid Waste Incineration (CISWI) Units (40 CFR Part 60, Subpart DDDD) (Renewal)

CISWI Unit Type	Number of Respondents Per Year	Number of Units	Number of Responses	Reporting Hours	Recordkeeping Hours	Total Labor Hours	Total Labor Costs	Annualized Capital/O&M Costs
Incinerator	22	27	36	2,423	687	3,109	\$340,498	\$1,846,119
ERU, solid	13	22	31	1,447	407	1,855	\$203,110	\$2,165,376
Small, remote incinerator	26	30	41	2,162	812	2,975	\$325,727	\$1,831,446
ERU, liquid/gas	4	6	8	406	125	531	\$58,141	\$394,050
Waste-burning kilns	13	23	32	1,499	408	1,907	\$208,771	\$3,800,423
Subtotals (all types)	78	108	148	7,937	2,439	10,376	\$1,136,247	\$10,037,413
GRAND TOTAL (rounded)¹						10,400	\$1,140,000	\$10,000,000

¹Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

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

For Existing Stationary Sources: Commercial and Industrial Solid Waste (H) (H) Total Labor Costs	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$100	1	1	22	22	1	2	0	\$2,770
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	\$55,200	1	0	27	0	0	0	690	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and Fugitive Emissions)	Included in E.	690	\$55,200	1	0	0	0	0	0	0	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	0	\$0	1	64	22	1,408	70	141	0	\$177,307
b) Obtain operator qualification	72	0	\$0	1	72	22	1,584	79	158	0	\$199,471
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	27	1,080	54	108	0	\$136,003
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$72,000	1	17	27	459	23	46	0	\$57,801
b) Annual costs	17	0	\$355,500	1	17	27	459	23	46	0	\$57,801
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	27	54	3	5	0	\$6,800
b) Fugitive Ash Emissions	1	0	\$0	1	1	27	27	1	3	0	\$3,400
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	22	44	2	4	0	\$5,541
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	0	\$7.50	1	8	27	216	11	22	0	\$27,201
b) Fugitive Ash Emissions	2	0	\$0	1	2	27	54	3	5	0	\$6,800
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	22	3,520	176	352	0	\$443,268
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	0	\$0	1	6	0	0	0	0	0	\$0
b) With site specific parameter petition	14	0	\$0	1	14	0	0	0	0	0	\$0

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

For Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Incineration	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating parameters	Included in 3.B	0	\$0	1	#VALUE!	0	0	0	0	0	\$0
9) Waste management plan	160	0	\$0	1	160	22	3,520	176	352	0	\$443,268
10) Annual Report:											
a) Results of performance tests conducted during the year	40	0	\$7.50	1	40	0	0	0	0	0	\$0
11) Status report for operators that are off-site for more than 2 weeks	8	0	\$0	1	8	2.2	18	1	2	0	\$2,216
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	2.2	35	2	4	0	\$4,433
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	2.2	53	3	5	0	\$6,649
F. Affirmative Defense Claim	30	0	\$0	0	0	0	0	0	0	0	\$0
Reporting Subtotal							12,553	628	1,255	690	\$1,580,730
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	0	0	0	0	0	0	\$0
2) Records of periods for which minimum amount of data on operating parameters were not obtained	0.5	0	\$0	52	26	0	0	0	0	0	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	2.2	3	0	0	0	\$416
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
7) Records of persons who have reviewed operating procedures	1	0	\$0	1	1	0	0	0	0	0	\$0
8) Records of persons who have completed operator training	1	0	\$0	1	1	0	0	0	0	0	\$0
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	0	0	0	0	0	\$0
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	0	0	0	0	0	\$0

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

For Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units (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)
Burden Item											
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
<i>Recordkeeping Subtotal</i>							3.3	0.165	0.33	0	\$416
TOTAL:							12,556	628	1,256	690	\$1,581,146
							Total Hours	Labor	Non-Labor	Total	
							Summary of Respondent Burden	14,439	\$1,581,146	\$1,920,319	\$3,501,465
							Annualized Capital and Startup			\$1,564,600	\$1,564,600
							O & M Summary			\$355,500	\$355,500

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
\$2,200	22	c, d, l
\$1,490,400	27	c
\$0	0	e
\$0	22	c
\$0	22	c
\$0	0	e
\$0	0	e
\$0	27	c
\$72,000	27	c, f
\$355,500	27	e, g
\$0	27	
\$0	27	
\$0	22	
\$203	27	
\$0	27	
\$0	22	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	22	c
\$0	0	
\$0	2	i
\$0	4	i
\$17	2	j
\$0	0	m
	357	
\$0	0	
\$0	0	k
\$0	0	k
\$0	2	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	2.2	
\$1,920,319	359	

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

for for Existing Stationary Sources: Commercial and Industrial Solid Wa (H) (H) Total LabLabor Costs	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$0	1	1	0	0	0	0	0	\$0
B. Required Activities											
1) Initial stack test and report (PM, dioxins/furans, opacity, HCL, Cd, Pb, Hg, CO, NOx, and SO2 (as required))	Included in E.	varies	\$0	1	0	0	0	0	0	0	\$0
2) Annual stack test and test report (PM, HCL, Opacity, and Fugitive Ash)	Included in E.	690	\$55,200	1	0	27	0	0	0	18,630	\$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	22	264	13	26	0	\$33,245
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	22	176	9	18	0	\$22,163
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	0	0	0	0	0	\$0
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$72,000	1	17	0	0	0	0	0	\$0
b) Annual costs	17	0	\$355,500	1	17	27	459	23	46	0	\$57,801
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	0	0	0	0	\$0
9) Waste management plan	160	0	\$0	1	160	0	0	0	0	0	\$0
10) Annual Report:											
a) Results of performance tests conducted during the year	40	0	\$7.50	1	40	27	1,080	54	108	0	\$136,003
11) Status report for operators that are off-site for more than 2 weeks	8	0	\$0	1	8	2.2	18	1	2	0	\$2,216
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	2.2	35	2	4	0	\$4,433
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	2.2	53	3	5	0	\$6,649
F. Affirmative Defense Claim	30	0	\$0	0	0	0	0	0	0	0	\$0
Reporting Subtotal							2,085	104	208	18,630	\$262,511
4. Recordkeeping Requirements											
A. Read Instructions	Included in 3.A										
B. Plan Activities	Not applicable										
C. Implement Activities	Not applicable										
D. Develop Record System	Not applicable										
E. Record Information											
1) Records of operating parameters	Included in 3.B.5.b	0	\$0	52	0	0	0	0	0	0	\$0
2) Records of periods for which minimum amount of data on operating parameters were not obtained	0.5	0	\$0	52	26	0	0	0	0	0	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	2.2	3	0	0	0	\$416
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	22	22	1	2	0	\$2,770
8) Records of persons who have completed operator training	1	0	\$0	1	1	22	22	1	2	0	\$2,770
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	22	22	1	2	0	\$2,770
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	22	528	26	53	0	\$66,490

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

for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units (H) (H) Total Labor Costs	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)	
Burden Item												
F. Personnel Training	Included in 3.B											
G. Time for Audits	Not applicable											
<i>Recordkeeping Subtotal</i>							597.3	29.865	59.73	0	\$75,217	
TOTAL:							2,682	134	268	18,630	\$337,728	
							Total Hours		Labor	Non-Labor	Total	
							Summary of Respondent Burden		\$3,084	\$337,728	\$1,918,119	\$2,255,847
							Annualized Capital and Startup				\$72,000	\$72,000
							O & M Summary				\$355,500	\$355,500

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
\$0	0	c, d, l
\$0	0	c
\$1,490,400	27	e
\$0	0	c
\$0	0	c
\$0	22	e
\$0	22	e
\$0	0	c
\$72,000	0	c, f
\$355,500	27	e, g
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	c

ors

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c, h
\$0	0	c, h
\$0	0	c
\$0	0	c
\$203	27	
\$0	2	i
\$0	4	i
\$17	2	j
\$0	0	m
	134	
\$0	0	
\$0	0	k
\$0	0	k
\$0	2	j
\$0	22	
\$0	22	
\$0	22	
\$0	22	

ors

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	90.2	
\$1,918,119	224	

**Table 1.a - Annual Respondent Burden and Cost - Emissions Guidelines for Existing Stationary Sources:
Commercial and Industrial Solid Waste Incineration Units (40 CFR Part 60, Subpart DDDD) (Renewal) - Incinerators**

(G) (G) Footnotes Resp Responses	(A) Respondent Hours per Occurrence (Technical hours)	(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 (E x 0.1)	Total Labor Costs Per Year (b)	Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
Burden Item											
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Familiarization with Rule Requirements	1	1	1	22	22	1	2	\$2,770	\$0	0	d,l
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.	1	0	0	0	0	0	\$0	\$0	0	c
2) Annual stack test and test report (PM, HCl, Opacity, and Fugitive Ash)	Included in E.	1	0	27	0	0	0	\$0	\$1,490,400	0	e
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	1	64	0	0	0	0	\$0	\$0	0	c
b) Obtain operator qualification	72	1	72	0	0	0	0	\$0	\$0	0	c
c) Annual refresher course	12	1	12	22	264	13.2	26.4	\$33,245.12	\$0	0	e
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	1	8	22	176	8.8	17.6	\$22,163.42	\$0	0	e
4) Establish operating parameters (maximum and minimum)	40	1	40	0	0	0	0	\$0	\$0	0	c
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	1	17	0	0	0	0	\$0	\$0	0	c,f
b) Annual costs	17	1	17	27	459	22.95	45.9	\$57,801.18	\$355,500	0	e,g
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	1	2	0	0	0	0	\$0	\$0	0	
b) Fugitive Ash Emissions	1	1	1	0	0	0	0	\$0	\$0	0	
2) Notification of initial CMS Demonstration	2	1	2	0	0	0	0	\$0	\$0	0	
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	1	8	0	0	0	0	\$0	\$0	0	
b) Fugitive Ash Emissions	2	1	2	0	0	0	0	\$0	\$0	0	

**Table 1.a - Annual Respondent Burden and Cost - Emissions Guidelines for Existing Stationary Sources:
Commercial and Industrial Solid Waste Incineration Units (40 CFR Part 60, Subpart DDDD) (Renewal) - Incinerators**

(G) (G) Footnotes Responses	(A) Respondent Hours per Occurrence (Technical hours)	(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 (E x 0.1)	Total Labor Costs Per Year (b)	Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
Burden Item											
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	1	160	0	0	0	0	\$0	\$0	0	c
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	1	6	0	0	0	0	\$0	\$0	0	c,h
b) With site specific parameter petition	14	1	14	0	0	0	0	\$0	\$0	0	c,h
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	0	0	0	\$0	\$0	0	c
9) Waste management plan	160	1	160	0	0	0	0	\$0	\$0	0	c
10) Annual Report:											
a) Results of performance tests conducted during the year	40	1	40	27	1,080	54	108	\$136,002.78	\$203	27	
11) Status report for operators that are off-site for more than 2 weeks	8	1	8	2.2	17.6	0.88	1.76	\$2,216.34	\$0	2.2	i
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	2	16	2.2	35.2	1.76	3.52	\$4,432.68	\$0	4.4	i
13) Semiannual report of emissions/parameter exceedances	24	1	24	2.2	52.8	2.64	5.28	\$6,649.02	\$17	2.2	j
Reporting Subtotal						2,423		\$265,281	\$1,846,119		
4. Recordkeeping Requirements											
A. Familiarization with Rule Requirements	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	52	0	0	0	0	0	\$0	\$0	0	
2) Records of periods for which minimum amount of data on operating parameters were not obtained	0.5	52	26	0	0	0	0	\$0	\$0	0	k
3) Records of malfunction of the unit	1.5	1	1.5	0	0	0	0	\$0	\$0	0	k
4) Records of exceedances of the operating parameters	1.5	1	1.5	2.2	3.30	0.17	0.33	\$415.56	\$0	0	j
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	1	1	22	22	1.10	2.2	\$2,770.43	\$0	0	
8) Records of persons who have completed operator training	1	1	1	22	22	1.10	2.2	\$2,770.43	\$0	0	
9) Records of persons who meet operator qualification criteria	1	1	1	22	22	1.10	2.2	\$2,770.43	\$0	0	
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	1	24	22	528	26.4	52.8	\$66,490.25	\$0	0	
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
Recordkeeping Subtotal						687		\$75,217	\$0	35.8	

**Table 1.a - Annual Respondent Burden and Cost - Emissions Guidelines for Existing Stationary Sources:
Commercial and Industrial Solid Waste Incineration Units (40 CFR Part 60, Subpart DDDD) (Renewal) - Incinerators**

(G) (G) FootnFootnotes RespResponses	(A) Respondent Hours per Occurrence (Technical hours)	(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 (E x 0.1)	Total Labor Costs Per Year (b)	Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
Burden Item											
TOTAL:						3,109		\$340,498	\$1,846,119		
						Total Hours	Labor	Grand Total			
						3,109	\$340,498	\$2,186,617			
					Summary of Respondent Burden						

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 \$112.98, management at \$149.35, clerical at \$54.81, 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 Assumed that all facilities have completed initial monitoring requirements.
- ^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.

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

for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units (H) (H) Total Labor Costs	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$100	1	1	13	13	1	1	0	\$1,637
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	\$55,200	1	0	22	0	0	0	690	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and Fugitive Emissions)	Included in E.	690	\$55,200	1	0	0	0	0	0	0	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	0	\$0	1	64	13	832	42	83	0	\$104,773
b) Obtain operator qualification	72	0	\$0	1	72	13	936	47	94	0	\$117,869
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	22	880	44	88	0	\$110,817
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$28,826	1	17	22	374	19	37	0	\$47,097
b) Annual costs	17	0	\$33,392	1	17	22	374	19	37	0	\$47,097
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	22	44	2	4	0	\$5,541
b) Fugitive Ash Emissions	1	0	\$0	1	1	22	22	1	2	0	\$2,770
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	13	26	1	3	0	\$3,274
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	0	\$7.50	1	8	22	176	9	18	0	\$22,163
b) Fugitive Ash Emissions	2	0	\$0	1	2	22	44	2	4	0	\$5,541
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	13	2,080	104	208	0	\$261,931

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

for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Energy Recovery Units	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	0	\$0	1	6	8	48	2	5	0	\$6,045
b) With site specific parameter petition	14	0	\$0	1	14	5	70	4	7	0	\$8,815
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating parameters	Included in 3.B	0	\$0	1	0	0	0	0	0	0	\$0
9) Waste management plan	160	0	\$0	1	160	13	2,080	104	208	0	\$261,931
10) Annual Report:											
a) Results of performance tests conducted during the year	40	0	\$7.50	1	40	0	0	0	0	0	\$0
11) Status report for operators that are off-site for more than 2 weeks	8	0	\$0	1	8	2	16	1	2	0	\$2,015
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	2	32	2	3	0	\$4,030
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	2	48	2	5	0	\$6,045
F. Affirmative Defense Claim	30	0	\$0	0	0	0	0	0	0	0	\$0
Reporting Subtotal							8,095	405	810	690	\$1,019,391
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	0	0	0	0	0	0	\$0
2) Records of periods for which minimum amount of data on operating parameters were not obtained	0.5	0	\$0	52	26	0	0	0	0	0	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	2	3	0	0	0	\$378
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
7) Records of persons who have reviewed operating procedures	1	0	\$0	1	1	0	0	0	0	0	\$0
8) Records of persons who have completed operator training	1	0	\$0	1	1	0	0	0	0	0	\$0
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	0	0	0	0	0	\$0
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	0	0	0	0	0	\$0

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

for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Energy Recovery Units	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
<i>Recordkeeping Subtotal</i>							3	0.15	0.3	0	\$378
TOTAL:							8,098	405	810	690	\$1,019,769
							Total Hours	Labor	Non-Labor	Total	
							Summary of Respondent Burden	9,313	\$1,019,769	\$2,584,674	\$3,604,443
							Annualized Capital and Startup			\$1,849,872	\$1,849,872
							O & M Summary			\$734,622	\$734,622

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.

its (Solids)

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$1,300	13	c, d, l
\$1,214,400	22	c
\$0	0	e
\$0	13	c
\$0	13	c
\$0	0	e
\$0	0	e
\$0	22	c
\$634,172	22	c, f
\$734,622	22	e, g
\$0	22	
\$0	22	
\$0	13	
\$165	22	
\$0	22	
\$0	13	c

its (Solids)

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	8	c, h
\$0	5	c, h
\$0	0	c
\$0	13	c
\$0	0	
\$0	2	i
\$0	4	i
\$15	2	j
\$0	0	m
	275	
\$0	0	
\$0	0	k
\$0	0	k
\$0	2	j
\$0	0	
\$0	0	
\$0	0	
\$0	0	

its (Solids)

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	2	
\$2,584,674	277	

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

For Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Energy Recovery Units	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$0	1	1	0	0	0	0	0	\$0
B. Required Activities											
1) Initial stack test and report (PM, dioxins/furans, opacity, HCL, Cd, Pb, Hg, CO, NOx, and SO2 (as required))	Included in E.	varies	\$55,200	1	0	0	0	0	0	690	\$0
2) Annual stack test and test report (PM, HCL, Opacity, and SO2)	Included in E.	690	\$55,200	1	0	22	0	0	0	15,180	\$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	13	156	8	16	0	\$19,645
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	13	104	5	10	0	\$13,097
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	0	0	0	0	0	\$0
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$0	1	17	0	0	0	0	0	\$0
b) Annual costs	17	0	\$43,218	1	17	0	0	0	0	0	\$0
C. Create Information	Included in 3.B										
D. Gather Information	Included in 3.E										
E. Report Preparation											
1) Notification of initial performance test											
a) Pollutants, fugitive ash emissions	2	0	\$0	1	2	0	0	0	0	0	\$0
b) Fugitive Ash Emissions	1	0	\$0	1	1	0	0	0	0	0	\$0
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	0	0	0	0	0	\$0
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	0	\$7.50	1	8	0	0	0	0	0	\$0
b) Fugitive Ash Emissions	2	0	\$0	1	2	0	0	0	0	0	\$0

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

For Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Energy Recovery Units	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	0	0	0	0	0	\$0
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	0	\$0	1	6	0	0	0	0	0	\$0
b) With site specific parameter petition	14	0	\$0	1	14	0	0	0	0	0	\$0
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating parameters	Included in 3.B.1	0	\$0	1	0	0	0	0	0	0	\$0
9) Waste management plan	160	0	\$0	1	160	0	0	0	0	0	\$0
10) Annual Report:											
a) Results of performance tests conducted during the year	40	0	\$7.50	1	40	22	880	44	88	0	\$110,817
11) Status report for operators that are off-site for more than 2 weeks	8	0	\$0	1	8	2	16	1	2	0	\$2,015
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	2	32	2	3	0	\$4,030
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	2	48	2	5	0	\$6,045
F. Affirmative Defense Claim	30	0	\$0	0	0	0	0	0	0	0	\$0
Reporting Subtotal							1,236	62	124	15,870	\$155,648
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	0	0	0	0	0	0	\$0
2) Records of periods for which minimum amount of data on operating parameters were not obtained	0.5	0	\$0	52	26	0	0	0	0	0	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	2	3	0	0	0	\$378
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	13	13	1	1	0	\$1,637
8) Records of persons who have completed operator training	1	0	\$0	1	1	13	13	1	1	0	\$1,637
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	13	13	1	1	0	\$1,637
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	13	312	16	31	0	\$39,290
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
Recordkeeping Subtotal							354	17.7	35.4	0	\$44,579

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

For Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (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)
TOTAL:							1,590	80	159	15,870	\$200,226
								Total Hours	Labor	Non-Labor	Total
								1,829	\$200,226	\$2,583,374	\$2,783,600
										\$418,000	\$418,000
										\$950,794	\$950,794

FOOTNOTES

- ^aBased on the total number of existing units expected to continue operating once the guidelines become effective.
- ^bCosts are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.
- ^cOne-time only costs.
- ^dCost incurred by a facility regardless of the number of affected units at the plant.
- ^eAnnual cost. Annual costs are not incurred until the second year of operation.
- ^fBased on the sum of the annualized capital costs for each monitoring system required for incinerators.
- ^gBased on the sum of the calculated annual cost for each monitoring system required for incinerators.
- ^hAssumed that one-third of the facilities will petition for site-specific parameters.
- ⁱAssumed 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.
- ^jAssumed that 10 percent of the facilities would have an exceedance during the year.
- ^kStandards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- ^lAssumed \$100 for purchase of filing cabinet to house copy of rule, records and report copies.

its (Solids)

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c, d, l
\$0	0	c
\$1,214,400	22	e
\$0	0	c
\$0	0	c
\$0	13	e
\$0	13	e
\$0	0	c
\$418,000	0	c, f
\$950,794	0	e, g
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	

its (Solids)

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c
\$0	0	c, h
\$0	0	c, h
\$0	0	c
\$0	0	c
\$165	22	
\$0	2	i
\$0	4	i
\$15	2	j
\$0	0	m
	78	
\$0	0	
\$0	0	k
\$0	0	k
\$0	2	j
\$0	13	
\$0	13	
\$0	13	
\$0	13	
\$0	54	

its (Solids)

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$2,583,374	132	

**Table 1.b - Annual Respondent Burden and Cost - Emissions Guidelines for Existing Stationary Sources:
Commercial and Industrial Solid Waste Incineration Units (40 CFR Part 60, Subpart DDDD) (Renewal) - Energy Recovery Units (Solids)**

Commercial and Industrial Solid Waste Incineration Units (40 CFR Part 60, Subpart DDDD) (Renewal) - En	(A) Respondent Hours per Occurrence (Technical hours)	(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)	Total Labor Costs Per Year (b)	Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
Footnotes											
Responses											
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Familiarization with Rule Requirements	1	1	1	13	13	1	1	\$1,637	\$0	0	d,l
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.	1	0	0	0	0	0	\$0	\$0	0	c
2) Annual stack test and test report (PM, HCl, Opacity, and Fugitive Ash)	Included in E.	1	0	22	0	0	0	\$0	\$1,214,400	0	e
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	1	64	0	0	0	0	\$0	\$0	0	c
b) Obtain operator qualification	72	1	72	0	0	0	0	\$0	\$0	0	c
c) Annual refresher course	12	1	12	13	156	7.8	15.6	\$19,644.85	\$0	0	e
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	1	8	13	104	5.2	10.4	\$13,096.56	\$0	0	e
4) Establish operating parameters (maximum and minimum)	40	1	40	0	0	0	0	\$0	\$0	0	c
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	1	17	0	0	0	0	\$0	\$0	0	c,f
b) Annual costs	17	1	17	0	0	0	0	\$0	\$950,794	0	e,g
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	1	2	0	0	0	0	\$0	\$0	0	
b) Fugitive Ash Emissions	1	1	1	0	0	0	0	\$0	\$0	0	
2) Notification of initial CMS Demonstration	2	1	2	0	0	0	0	\$0	\$0	0	
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	1	8	0	0	0	0	\$0	\$0	0	
b) Fugitive Ash Emissions	2	1	2	0	0	0	0	\$0	\$0	0	

**Table 1.b - Annual Respondent Burden and Cost - Emissions Guidelines for Existing Stationary Sources:
Commercial and Industrial Solid Waste Incineration Units (40 CFR Part 60, Subpart DDDD) (Renewal) - Energy Recovery Units (Solids)**

Footnotes Responses	(A) Respondent Hours per Occurrence (Technical hours)	(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)	Total Labor Costs Per Year (b)	Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	1	160	0	0	0	0	\$0	\$0	0	c
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	1	6	0	0	0	0	\$0	\$0	0	c,h
b) With site specific parameter petition	14	1	14	0	0	0	0	\$0	\$0	0	c,h
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	0	0	0	\$0	\$0	0	c
9) Waste management plan	160	1	160	0	0	0	0	\$0	\$0	0	c
10) Annual Report:											
a) Results of performance tests conducted during the year	40	1	40	22	880	44	88	\$110,817.08	\$165	22	
11) Status report for operators that are off-site for more than 2 weeks	8	1	8	2.2	17.6	0.88	1.76	\$2,216.34	\$0	2.2	i
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	2	16	2.2	35.2	1.76	3.52	\$4,432.68	\$0	4.4	i
13) Semiannual report of emissions/parameter exceedances	24	1	24	2.2	52.8	2.64	5.28	\$6,649.02	\$17	2.2	j
Reporting Subtotal						1,447		\$158,494			
4. Recordkeeping Requirements											
A. Familiarization with Rule Requirements	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	52	0	0	0	0	0	\$0	\$0	0	
2) Records of periods for which minimum amount of data on operating parameters were n	0.5	52	26	0	0	0	0	\$0	\$0	0	k
3) Records of malfunction of the unit	1.5	1	1.5	0	0	0	0	\$0	\$0	0	k
4) Records of exceedances of the operating parameters	1.5	1	1.5	2.2	3.3	0.17	0.33	\$415.56	\$0	0	j
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	1	1	13	13	0.65	1.3	\$1,637.07	\$0	0	
8) Records of persons who have completed operator training	1	1	1	13	13	0.65	1.3	\$1,637.07	\$0	0	
9) Records of persons who meet operator qualification criteria	1	1	1	13	13	0.65	1.3	\$1,637.07	\$0	0	
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	1	24	13	312	15.6	31.2	\$39,289.69	\$0	0	
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
Recordkeeping Subtotal						407		\$44,616			
TOTAL:						1,855		\$203,110	\$2,165,376	30.8	

Summary of Respondent Burden	Total Hours	Labor	Grand Total
	1,855	\$203,110	\$2,368,486

**Table 1.b - Annual Respondent Burden and Cost - Emissions Guidelines for Existing Stationary Sources:
Commercial and Industrial Solid Waste Incineration Units (40 CFR Part 60, Subpart DDDD) (Renewal) - Energy Recovery Units (Solids)**

Commercial and Industrial Solid Waste Incineration Units (40 CFR Part 60, Subpart DDDD) (Renewal) - Energy Recovery Units (Solids)	(A) Respondent Hours per Occurrence (Technical hours)	(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)	Total Labor Costs Per Year (b)	Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
Footnotes Responses											

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 \$112.98, management at \$149.35, clerical at \$54.81, 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 Assumed that all facilities have completed initial monitoring requirements.
- ^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.

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

for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Small Remote Inc:	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$100	1	1	26	26	1	3	0	\$3,274
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	\$55,200	1	0	30	0	0	0	690	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and Fu	Included in E.	690	\$55,200	1	0	0	0	0	0	0	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	0	\$0	1	64	26	1,664	83	166	0	\$209,545
b) Obtain operator qualification	72	0	\$0	1	72	26	1,872	94	187	0	\$235,738
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	30	1,200	60	120	0	\$151,114
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$2,800	1	17	30	510	26	51	0	\$64,224
b) Annual costs	17	0	\$5,840	1	17	30	510	26	51	0	\$64,224
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	30	60	3	6	0	\$7,556
b) Fugitive Ash Emissions	1	0	\$0	1	1	30	30	2	3	0	\$3,778
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	26	52	3	5	0	\$6,548
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	0	\$7.50	1	8	30	240	12	24	0	\$30,223
b) Fugitive Ash Emissions	2	0	\$0	1	2	30	60	3	6	0	\$7,556
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	26	4,160	208	416	0	\$523,863

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

for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Small Remote Inc:	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	0	\$0	1	6	17	102	5	10	0	\$12,845
b) With site specific parameter petition	14	0	\$0	1	14	9	126	6	13	0	\$15,867
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating parameters	Included in 3.B	0	\$0	1	0	0	0	0	0	0	\$0
9) Waste management plan	160	0	\$0	1	160	26	4,160	208	416	0	\$523,863
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	\$3,022
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	\$6,045
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	3	72	4	7	0	\$9,067
F. Affirmative Defense Claim	30	0	\$0	0	0	0	0	0	0	0	\$0
Reporting Subtotal							14,916	746	1,492	690	\$1,878,350
4. Recordkeeping Requirements											
A. Read Instructions	Included in 3.A										
B. Plan Activities	Not applicable										
C. Implement Activities	Not applicable										
D. Develop Record System	Not applicable										
E. Record Information											
1) Records of operating parameters	Included in 3.B.5.b	0	\$0	52	0	0	0	0	0	0	\$0
2) Records of periods for which minimum amount of data on operating parameters were not obtained	0.5	0	\$0	52	26	0	0	0	0	0	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	3	5	0	0	0	\$567
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
7) Records of persons who have reviewed operating procedures	1	0	\$0	1	1	0	0	0	0	0	\$0
8) Records of persons who have completed operator training	1	0	\$0	1	1	0	0	0	0	0	\$0
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	0	0	0	0	0	\$0
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	0	0	0	0	0	\$0

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

for for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Small Remote Inc:	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
<i>Recordkeeping Subtotal</i>							4.5	0.225	0.45	0	\$567
TOTAL:							14,921	746	1,492	690	\$1,878,916
							Total Hours	Labor	Non-Labor	Total	
							Summary of Respondent Burden	17,159	\$1,878,916	\$1,918,048	\$3,796,964
							Annualized Capital and Startup			\$1,742,600	\$1,742,600
							O & M Summary			\$175,200	\$175,200

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.

Generators

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$2,600	26	c, d, l
\$1,656,000	30	c
\$0	0	e
\$0	26	c
\$0	26	c
\$0	0	e
\$0	0	e
\$0	30	c
\$84,000	30	c, f
\$175,200	30	e, g
\$0	30	
\$0	30	
\$0	26	
\$225	30	
\$0	30	
\$0	26	c

inertors

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	17	c, h
\$0	9	c, h
\$0	0	c
\$0	26	c
\$0	0	
\$0	3	i
\$0	6	i
\$23	3	j
\$0	0	m
	434	
\$0	0	
\$0	0	k
\$0	0	k
\$0	3	j
\$0	0	
\$0	0	
\$0	0	
\$0	0	

inertors

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	3	
\$1,918,048	437	

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

(H) (H) Total Labor Costs	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$0	1	1	0	0	0	0	0	\$0
B. Required Activities											
1) Initial stack test and report (PM, dioxins/furans, opacity, HCL, Cd, Pb, Hg, CO, NOx, and SO2 (as required))	Included in E.	varies	\$55,200	1	0	0	0	0	0	690	\$0
2) Annual stack test and test report (PM, HCL, Opacity, and #	Included in E.	690	\$55,200	1	0	30	0	0	0	20,700	\$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	26	312	16	31	0	\$39,290
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	26	208	10	21	0	\$26,193
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	0	0	0	0	0	\$0
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$84,000	1	17	0	0	0	0	0	\$0
b) Annual costs	17	0	\$175,200	1	17	0	0	0	0	0	\$0
C. Create Information	Included in 3.B										
D. Gather Information	Included in 3.E										
E. Report Preparation											
1) Notification of initial performance test											
a) Pollutants, fugitive ash emissions	2	0	\$0	1	2	0	0	0	0	0	\$0
b) Fugitive Ash Emissions	1	0	\$0	1	1	0	0	0	0	0	\$0
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	0	0	0	0	0	\$0
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	0	\$7.50	1	8	0	0	0	0	0	\$0
b) Fugitive Ash Emissions	2	0	\$0	1	2	0	0	0	0	0	\$0

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

(H) Total Labor Costs	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	0	0	0	0	0	\$0
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	0	\$0	1	6	0	0	0	0	0	\$0
b) With site specific parameter petition	14	0	\$0	1	14	0	0	0	0	0	\$0
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating parameters	Included in 3.B	0	\$0	1	0	0	0	0	0	0	\$0
9) Waste management plan	160	0	\$0	1	160	0	0	0	0	0	\$0
10) Annual Report:											
a) Results of performance tests conducted during the year	40	0	\$7.50	1	40	30	1,200	60	120	0	\$151,114
11) Status report for operators that are off-site for more than 2 weeks	8	0	\$0	1	8	3	24	1	2	0	\$3,022
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	\$6,045
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	3	72	4	7	0	\$9,067
F. Affirmative Defense Claim	30	0	\$0	0	0	0	0	0	0	0	\$0
Reporting Subtotal							1,864	93	186	21,390	\$234,731
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	0	0	0	0	0	0	\$0
2) Records of periods for which minimum amount of data on operating parameters were not obtained	0.5	0	\$0	52	26	0	0	0	0	0	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	3	5	0	0	0	\$567
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	26	26	1	3	0	\$3,274
8) Records of persons who have completed operator training	1	0	\$0	1	1	26	26	1	3	0	\$3,274
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	26	26	1	3	0	\$3,274
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	26	624	31	62	0	\$78,579

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

(H) (H) Total Labor Costs	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)	
Burden Item												
F. Personnel Training	Included in 3.B											
G. Time for Audits	Not applicable											
<i>Recordkeeping Subtotal</i>							706.5	35.325	70.65	0	\$88,968	
TOTAL:							2,571	129	257	21,390	\$323,699	
							Total Hours		Labor	Non-Labor	Total	
							Summary of Respondent Burden		2,956	\$323,699	\$1,915,448	\$2,239,147
							Annualized Capital and Startup				\$84,000	\$84,000
							O & M Summary				\$175,200	\$175,200

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
\$0	0	c, d, l
\$0	0	c
\$1,656,000	30	e
\$0	0	c
\$0	0	c
\$0	26	e
\$0	26	e
\$0	0	c
\$84,000	0	c, f
\$175,200	0	e, g
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	

inertors

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c
\$0	0	c, h
\$0	0	c, h
\$0	0	c
\$0	0	c
\$225	30	
\$0	3	i
\$0	6	i
\$23	3	j
\$0	0	m
	124	
\$0	0	
\$0	0	k
\$0	0	k
\$0	3	j
\$0	26	
\$0	26	
\$0	26	
\$0	26	

inertors

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	107	
\$1,915,448	231	

**Table 1.c - Annual Respondent Burden and Cost - Emissions Guidelines for Existing Stationary Sources:
Commercial and Industrial Solid Waste Incineration Units (40 CFR Part 60, Subpart DDDD) (Renewal) - Small Remote Incinerators**

Burden Item	(A) Technical hours per occurrence	(B) Number of occurrence per respondent per year	(C) Hours per respondent per year (C=A x B)	(D) Number of respondents (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)	Total labor costs per year (b)	Total non-labor costs per year	Total Responses	Footnotes
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Familiarization with Rule Requirements (c, d, l)	1	1	1	26	26	1	3	\$3,274	\$0	0	d,l
B. Required Activities											
1) Initial stack test and report (PM, dioxins/furans, opacity, HCl, Cd, Pb, Hg,	Included in E.	1	0	0	0	0	0	\$0	\$0	0	c
2) Annual stack test and test report (PM, HCl, Opacity, and Fugitive Ash) (e)	Included in E.	1	0	30	0	0	0	\$0	\$1,656,000	0	e
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	1	64	0	0	0	0	\$0	\$0	0	c
b) Obtain operator qualification	72	1	72	0	0	0	0	\$0	\$0	0	c
c) Annual refresher course	12	1	12	26	312	15.6	31.2	\$39,289.69	\$0	0	e
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	1	8	26	208	10.4	20.8	\$26,193.13	\$0	0	e
4) Establish operating parameters (maximum and minimum)	40	1	40	0	0	0	0	\$0	\$0	0	c
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	1	17	0	0	0	0	\$0	\$0	0	c,f
b) Annual costs	17	1	17	0	0	0	0	\$0	\$175,200	0	e,g
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	1	2	0	0	0	0	\$0	\$0	0	
b) Fugitive Ash Emissions	1	1	1	0	0	0	0	\$0	\$0	0	
2) Notification of initial CMS Demonstration	2	1	2	0	0	0	0	\$0	\$0	0	
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	1	8	0	0	0	0	\$0	\$0	0	
b) Fugitive Ash Emissions	2	1	2	0	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	1	160	0	0	0	0	\$0	\$0	0	c
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	1	6	0	0	0	0	\$0	\$0	0	c,h
b) With site specific parameter petition	14	1	14	0	0	0	0	\$0	\$0	0	c,h
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	0	0	0	\$0	\$0	0	c
9) Waste management plan	160	1	160	0	0	0	0	\$0	\$0	0	c

**Table 1.c - Annual Respondent Burden and Cost - Emissions Guidelines for Existing Stationary Sources:
Commercial and Industrial Solid Waste Incineration Units (40 CFR Part 60, Subpart DDDD) (Renewal) - Small Remote Incinerators**

Burden Item	(A) Technical hours per occurrence	(B) Number of occurrence per respondent per year	(C) Hours per respondent per year (C=A x B)	(D) Number of respondents (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)	Total labor costs per year (b)	Total non-labor costs per year	Total Responses	Footnotes
10) Annual Report:											
a) Results of performance tests conducted during the year	40	1	40	30	1,200	60	120	\$151,114.20	\$225	30	
11) Status report for operators that are off-site for more than 2 weeks	8	1	8	2.8	22.4	1.12	2.24	\$2,820.80	\$0	2.8	i
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	2	16	2.8	44.8	2.24	4.48	\$5,641.60	\$0	5.6	i
13) Semiannual report of emissions/parameter exceedances	24	1	24	2.8	67.2	3.36	6.72	\$8,462.40	\$21	2.8	j
Reporting Subtotal					2,162			\$236,796			
4. Recordkeeping Requirements											
A. Familiarization with Rule Requirements	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	52	0	0	0	0	0	\$0	\$0	0	
2) Records of periods for which minimum amount of data on operating parameters	0.5	52	26	0	0	0	0	\$0	\$0	0	k
3) Records of malfunction of the unit	1.5	1	1.5	0	0	0	0	\$0	\$0	0	k
4) Records of exceedances of the operating parameters	1.5	1	1.5	2.8	4.2	0.21	0.42	\$528.90	\$0	0	j
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	1	1	26	26	1.3	2.6	\$3,274.14	\$0	0	
8) Records of persons who have completed operator training	1	1	1	26	26	1.3	2.6	\$3,274.14	\$0	0	
9) Records of persons who meet operator qualification criteria	1	1	1	26	26	1.3	2.6	\$3,274.14	\$0	0	
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	1	24	26	624	31.2	62.4	\$78,579.38	\$0	0	
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
Recordkeeping Subtotal					812			\$88,931			
TOTAL:					2,975			\$325,727	\$1,831,446	41	

Total Hours	Labor	Grand Total
2,975	\$325,727	\$2,157,173

Summary of Respondent Burden

FOOTNOTES

Based on the total number of existing units expected to continue operating once the guidelines become effective.

Costs are based on the following hourly rates: technical at \$112.98, management at \$149.35, clerical at \$54.81, and testing contractor at \$80.

One-time only costs.

**Table 1.c - Annual Respondent Burden and Cost - Emissions Guidelines for Existing Stationary Sources:
Commercial and Industrial Solid Waste Incineration Units (40 CFR Part 60, Subpart DDDD) (Renewal) - Small Remote Incinerators**

Burden Item	(A)	(B)	(C)	(D)	(E)	(F)	(G)				
	Technical hours per occurrence	Number of occurrence per respondent per year	Hours per respondent per year (C=A x B)	Number of respondents (a)	Technical hours per year (CXD)	Management hours per year (E x 0.05)	Clerical hours per year (E x 0.1)	Total labor costs per year (b)	Total non-labor costs per year	Total Responses	Footnotes

Cost incurred by a facility regardless of the number of affected units at the plant.

Annual cost. Annual costs are not incurred until the second year of operation.

Assumed that all facilities have completed initial monitoring requirements.

Based on the sum of the calculated annual cost for each monitoring system required for incinerators.

Assumed that one-third of the facilities will petition for site-specific parameters.

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.

Assumed that 10 percent of the facilities would have an exceedance during the year.

Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.

Assumed \$100 for purchase of filing cabinet to house copy of rule, records and report copies.

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

for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units (H) (H) Total Labor Costs	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$100	1	1	4	4	0	0	0	\$504
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	\$55,200	1	0	6	0	0	0	690	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and Fugitive Ash)	Included in E.	690	\$55,200	1	0	0	0	0	0	0	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	0	\$0	1	64	4	256	13	26	0	\$32,238
b) Obtain operator qualification	72	0	\$0	1	72	4	288	14	29	0	\$36,267
c) Annual refresher course	12		\$0	1	12	0	0	0	0	0	\$0
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	0	0	0	0	0	\$0
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	6	240	12	24	0	\$30,223
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$18,633	1	17	6	102	5	10	0	\$12,845
b) Annual costs	17	0	\$10,467	1	17	6	102	5	10	0	\$12,845
C. Create Information	Included in 3.B										
D. Gather Information	Included in 3.E										
E. Report Preparation											
1) Notification of initial performance test											
a) Pollutants, fugitive ash emissions	2	0	\$0	1	2	6	12	1	1	0	\$1,511
b) Fugitive Ash Emissions	1	0	\$0	1	1	6	6	0	1	0	\$756
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	4	8	0	1	0	\$1,007
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	0	\$7.50	1	8	6	48	2	5	0	\$6,045
b) Fugitive Ash Emissions	2	0	\$0	1	2	6	12	1	1	0	\$1,511
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	4	640	32	64	0	\$80,594
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	0	\$0	1	6	2	12	1	1	0	\$1,511
b) With site specific parameter petition	14	0	\$0	1	14	2	28	1	3	0	\$3,526

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

for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units (H) (H) Total Labor Costs	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating parameters	Included in 3.B	0	\$0	1	0	0	0	0	0	0	\$0
9) Waste management plan	160	0	\$0	1	160	4	640	32	64	0	\$80,594
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	\$1,007
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	\$2,015
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	1	24	1	2	0	\$3,022
F. Affirmative Defense Claim	30	0	\$0	0	0	0	0	0	0	0	\$0
<i>Reporting Subtotal</i>							2,446	122	245	690	\$308,021
4. Recordkeeping Requirements											
A. Read Instructions	Included in 3.A										
B. Plan Activities	Not applicable										
C. Implement Activities	Not applicable										
D. Develop Record System	Not applicable										
E. Record Information											
1) Records of operating parameters	Included in 3.B.5.b	0	\$0	52	0	0	0	0	0	0	\$0
2) Records of periods for which minimum amount of data on operating parameters were not obtained	0.5	0	\$0	52	26	0	0	0	0	0	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	1	2	0	0	0	\$189
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
7) Records of persons who have reviewed operating procedures	1	0	\$0	1	1	0	0	0	0	0	\$0
8) Records of persons who have completed operator training	1	0	\$0	1	1	0	0	0	0	0	\$0
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	0	0	0	0	0	\$0
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	0	0	0	0	0	\$0

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

for 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>							1.5	0.075	0.15	0	\$189
TOTAL:							2,448	122	245	690	\$308,210
							Total Hours		Labor	Non-Labor	Total
							Summary of Respondent Burden	2,815	\$308,210	\$506,253	\$814,463
							Annualized Capital and Startup			\$443,400	\$443,400
							O & M Summary			\$62,800	\$62,800

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.

(Liquid/Gas)

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$400	4	c,d,l
\$331,200	6	c
\$0	0	e
\$0	4	c
\$0	4	c
\$0	0	e
\$0	0	e
\$0	6	c
\$111,800	6	f
\$62,800	6	e,g
\$0	6	
\$0	6	
\$0	4	
\$45	6	
\$0	6	
\$0	4	c
\$0	2	c,h
\$0	2	c,h

(Liquid/Gas)

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

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

For Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Energy Recovery Units	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$0	1	1	0	0	0	0	0	\$0
B. Required Activities											
1) Initial stack test and report (PM, dioxins/furans, opacity, HCL, Cd, Pb, Hg, CO, NOx, and SO2 (as required))	Included in E.	varies	\$55,200	1	0	0	0	0	0	690	\$0
2) Annual stack test and test report (PM, HCL, Opacity, and SO2)	Included in E.	690	\$55,200	1	0	6	0	0	0	4,140	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	0	\$0	1	64	0	0	0	0	0	\$0
b) Obtain operator qualification	72	0	\$0	1	72	0	0	0	0	0	\$0
c) Annual refresher course	12		\$0	1	12	4	48	2	5	0	\$6,045
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	4	32	2	3	0	\$4,030
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	0	0	0	0	0	\$0
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$0	1	17	0	0	0	0	0	\$0
b) Annual costs	17	0	\$10,467	1	17	0	0	0	0	0	\$0
C. Create Information	Included in 3.B										
D. Gather Information	Included in 3.E										
E. Report Preparation											
1) Notification of initial performance test											
a) Pollutants, fugitive ash emissions	2	0	\$0	1	2	0	0	0	0	0	\$0
b) Fugitive Ash Emissions	1	0	\$0	1	1	0	0	0	0	0	\$0
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	0	0	0	0	0	\$0
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	0	\$7.50	1	8	0	0	0	0	0	\$0
b) Fugitive Ash Emissions	2	0	\$0	1	2	0	0	0	0	0	\$0
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	0	0	0	0	0	\$0

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

For Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Energy Recovery Units	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	0	\$0	1	6	0	0	0	0	0	\$0
b) With site specific parameter petition	14	0	\$0	1	14	0	0	0	0	0	\$0
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating parameters	Included in 3.B	0	\$0	1	0	0	0	0	0	0	\$0
9) Waste management plan	160	0	\$0	1	160	0	0	0	0	0	\$0
10) Annual Report:											
a) Results of performance tests conducted during the year	40	0	\$7.50	1	40	6	240	12	24	0	\$30,223
11) Status report for operators that are off-site for more than 2 weeks	8	0	\$0	1	8	1	8	0	1	0	\$1,007
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	\$2,015
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	1	24	1	2	0	\$3,022
F. Affirmative Defense Claim	30	0	\$0	0	0	0	0	0	0	0	\$0
Reporting Subtotal							368	18	37	4,830	\$46,342
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	0	0	0	0	0	0	\$0
2) Records of periods for which minimum amount of data on operating parameters were not obtained	0.5	0	\$0	52	26	0	0	0	0	0	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	1	2	0	0	0	\$189
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
7) Records of persons who have reviewed operating procedures	1	0	\$0	1	1	4	4	0	0	0	\$504
8) Records of persons who have completed operator training	1	0	\$0	1	1	4	4	0	0	0	\$504
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	4	4	0	0	0	\$504
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	4	96	5	10	0	\$12,089

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

For Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Energy Recovery Units	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)	
F. Personnel Training	Included in 3.B											
G. Time for Audits	Not applicable											
Recordkeeping Subtotal							109.5	5.475	10.95	0	\$13,789	
TOTAL:							478	24	48	4,830	\$60,131	
							Total Hours		Labor	Non-Labor	Total	
							Summary of Respondent Burden		\$549	\$60,131	\$505,853	\$565,983
							Annualized Capital and Startup				\$111,800	\$111,800
							O & M Summary				\$62,800	\$62,800

FOOTNOTES

- ^aBased on the total number of existing units expected to continue operating once the guidelines become effective.
- ^bCosts are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.
- ^cOne-time only costs.
- ^dCost incurred by a facility regardless of the number of affected units at the plant.
- ^eAnnual cost. Annual costs are not incurred until the second year of operation.
- ^fBased on the sum of the annualized capital costs for each monitoring system required for incinerators.
- ^gBased on the sum of the calculated annual cost for each monitoring system required for incinerators.
- ^hAssumed that one-third of the facilities will petition for site-specific parameters.
- ⁱAssumed 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.
- ^jAssumed that 10 percent of the facilities would have an exceedance during the year.
- ^kStandards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- ^lAssumed \$100 for purchase of filing cabinet to house copy of rule, records and report copies.

s (Liquid/Gas)

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c, d, l
\$0	0	c
\$331,200	6	e
\$0	0	c
\$0	0	c
\$0	4	e
\$0	4	e
\$0	0	c
\$111,800	0	c, f
\$62,800	0	e, g
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	c

s (Liquid/Gas)

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

s (Liquid/Gas)

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	17	
\$505,853	41	

**Table 1.d- Annual Respondent Burden and Cost - Emissions Guidelines for Existing Stationary Sources:
Commercial and Industrial Solid Waste Incineration Units (40 CFR Part 60, Subpart DDDD) (Renewal) - Energy Recovery Units (Liquid/Gas)**

Commer	Burden Item	(A)	(B)	(C)	(D)	(E)	(F)	(G)	
(G)		Technical hours per occurrence	Number of occurrence per respondent per year	Hours per respondent per year (C=A x B)	Number of respondents (a)	Technical hours per year (CXD)	Management hours per year (E x 0.05)	Clerical hours per year (E x 0.1)	Total labor costs per year (b)
Total	labor costs per year								
	1. Applications	Not applicable							
	2. Surveys and Studies	Not applicable							
	3. Reporting Requirements								
	A. Familiarization with Rule Requirements (c, d, l)	1	1	1	4	4	0	0	\$504
	B. Required Activities								
	1) Initial stack test and report (PM, dioxins/furans, opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required)) (c)	Included in E.	1	0	0	0	0	0	\$0
	2) Annual stack test and test report (PM, HCl, Opacity, and Fugitive Ash) (e)	Included in E.	1	0	6	0	0	0	\$0
	3) Operator training and qualification								
	a) Establish and teach operator qualification course (c)	64	1	64	0	0	0	0	\$0
	b) Obtain operator qualification (c)	72	1	72	0	0	0	0	\$0
	c) Annual refresher course (e)	12	1	12	4	48	2.4	4.8	\$6,044.57
	d) Initial review of site-specific information	Included in a.							
	e) Annual review of site-specific information (e)	8	1	8	4	32	1.6	3.2	\$4,029.71
	4) Establish operating parameters (maximum and minimum) (c)	40	1	40	0	0	0	0	\$0
	5) Continuous parameter monitoring (including CEMS)								
	a) Initial costs (c, f)	17	1	17	0	0	0	0	\$0
	b) Annual costs (e, g)	17	1	17	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	1	2	0	0	0	0	\$0
	b) Fugitive Ash Emissions	1	1	1	0	0	0	0	\$0
	2) Notification of initial CMS Demonstration	2	1	2	0	0	0	0	\$0
	3) Report of initial performance test								
	a) Pollutants, fugitive ash emissions	8	1	8	0	0	0	0	\$0
	b) Fugitive Ash Emissions	2	1	2	0	0	0	0	\$0
	4) Report of initial CMS demonstration	Included in 3.B.5							
	5) Report prior to construction (includes siting analysis) (c)	160	1	160	0	0	0	0	\$0
	6) Report prior to initial start-up (c, h)								
	a) Without site specific parameter petition	6	1	6	0	0	0	0	\$0
	b) With site specific parameter petition	14	1	14	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 (c)	Included in 3.B	1	0	0	0	0	0	\$0
	9) Waste management plan (c)	160	1	160	0	0	0	0	\$0

**Table 1.d- Annual Respondent Burden and Cost - Emissions Guidelines for Existing Stationary Sources:
Commercial and Industrial Solid Waste Incineration Units (40 CFR Part 60, Subpart DDDD) (Renewal) - Energy Recovery Units (Liquid/Gas)**

Commer	Burden Item	(A)	(B)	(C)	(D)	(E)	(F)	(G)	
(G)		Technical hours per occurrence	Number of occurrence per respondent per year	Hours per respondent per year (C=A x B)	Number of respondents (a)	Technical hours per year (CXD)	Management hours per year (E x 0.05)	Clerical hours per year (E x 0.1)	Total labor costs per year (b)
Total	labor costs per year								
	10) Annual Report:								
	a) Results of performance tests conducted during the year	40	1	40	6	240	12	24	\$30,222.84
	11) Status report for operators that are off-site for more than 2 weeks (i)	8	1	8	0.6	4.8	0.24	0.48	\$604.46
	12) Corrective action summary for operators that are off-site for more than 2 weeks (i)	8	2	16	0.6	9.6	0.48	0.96	\$1,208.91
	13) Semiannual report of emissions/parameter exceedances (j)	24	1	24	0.6	14.4	0.72	1.44	\$1,813.37
	Reporting Subtotal						406		\$44,428
	4. Recordkeeping Requirements								
	A. Familiarization with Rule Requirements	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	52	0	0	0	0	0	\$0
	2) Records of periods for which minimum amount of data on operating parameters were not obtained (k)	0.5	52	26	0	0	0	0	\$0
	3) Records of malfunction of the unit (k)	1.5	1	1.5	0	0	0	0	\$0
	4) Records of exceedances of the operating parameters (j)	1.5	1	1.5	0.6	0.9	0.05	0.09	\$113.34
	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	1	1	4	4	0.2	0.4	\$503.71
	8) Records of persons who have completed operator training	1	1	1	4	4	0.2	0.4	\$503.71
	9) Records of persons who meet operator qualification criteria	1	1	1	4	4	0.2	0.4	\$503.71
	10) Records of monitoring device calibration	Included in 3.B							
	11) Records of site-specific documentation	24	1	24	4	96	4.8	9.6	\$12,089.14
	F. Personnel Training	Included in 3.B							
	G. Time for Audits	Not applicable							
	Recordkeeping Subtotal						125		\$13,714
	TOTAL:						531		\$58,141
							Total Hours	Labor	Grand Total
							531	\$58,141	\$452,191
							Summary of Respondent Burden		

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 \$112.98, management at \$149.35, clerical at \$54.81, and testing contractor at \$80.

**Table 1.d- Annual Respondent Burden and Cost - Emissions Guidelines for Existing Stationary Sources:
Commercial and Industrial Solid Waste Incineration Units (40 CFR Part 60, Subpart DDDD) (Renewal) - Energy Recovery Units (Liquid/Gas)**

Commer	Burden Item	(A)	(B)	(C)	(D)	(E)	(F)	(G)	
(G)		Technical hours per occurrence	Number of occurrence per respondent per year	Hours per respondent per year (C=A x B)	Number of respondents (a)	Technical hours per year (CXD)	Management hours per year (E x 0.05)	Clerical hours per year (E x 0.1)	Total labor costs per year (b)
Total	labor costs per year								

^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 Assumed that all facilities have completed initial monitoring requirements.

^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.

s)

Total non-labor costs per year	Total Responses	Footnotes
\$0	0	d, l
\$0	0	c
\$331,200	0	e
\$0	0	c
\$0	0	c
\$0	0	e
\$0	0	e
\$0	0	c
\$0	0	c, f
\$62,800	0	e, g
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	c
\$0	0	c, h
\$0	0	c, h
\$0	0	c
\$0	0	c

i)

Total non-labor costs per year	Total Responses	Footnotes
\$45	6	
\$0	0.6	i
\$0	1.2	i
\$5	0.6	j
\$0	0	
\$0	0	k
\$0	0	k
\$0	0	j
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$394,050	8	

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

For Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Waste-burning	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
Burden Item											
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$100	1	1	13	13	1	1	0	\$1,637
B. Required Activities											
1) Initial stack test and report (PM, dioxins/furans, opacity, HCL, Cd, Pb, Hg, CO, NOx, and SO2 (as required))	Included in E.	varies	\$40,867	1	0	23	0	0	0	511	\$0
2) Annual stack test and test report (PM, HCL, Opacity, and SO2)	Included in E.	511	\$40,867	1	0	0	0	0	0	0	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	0	\$0	1	64	13	832	42	83	0	\$104,773
b) Obtain operator qualification	72	0	\$0	1	72	13	936	47	94	0	\$117,869
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	23	920	46	92	0	\$115,854
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$58,004	1	17	23	391	20	39	0	\$49,238
b) Annual costs	17	0	\$124,361	1	17	23	391	20	39	0	\$49,238
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	23	46	2	5	0	\$5,793
b) Fugitive Ash Emissions	1	0	\$0	1	1	23	23	1	2	0	\$2,896
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	13	26	1	3	0	\$3,274
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	0	\$7.50	1	8	23	184	9	18	0	\$23,171
b) Fugitive Ash Emissions	2	0	\$0	1	2	23	46	2	5	0	\$5,793

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

For Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Waste-burning	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	13	2,080	104	208	0	\$261,931
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	0	\$0	1	6	8	48	2	5	0	\$6,045
b) With site specific parameter petition	14	0	\$0	1	14	5	70	4	7	0	\$8,815
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating parameters	Included in 3.B.1	0	\$0	1	0	0	0	0	0	0	\$0
9) Waste management plan	160	0	\$0	1	160	13	2,080	104	208	0	\$261,931
10) Annual Report:											
a) Results of performance tests conducted during the year	40	0	\$7.50	1	40	0	0	0	0	0	\$0
11) Status report for operators that are off-site for more than 2 weeks	8	0	\$0	1	8	2	16	1	2	0	\$2,015
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	2	32	2	3	0	\$4,030
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	2	48	2	5	0	\$6,045
F. Affirmative Defense Claim	30	0	\$0	0	0	0	0	0	0	0	\$0
Reporting Subtotal							8,182	409	818	511	\$1,030,347
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	0	0	0	0	0	0	\$0
2) Records of periods for which minimum amount of data on operating parameters were not obtained	0.5	0	\$0	52	26	0	0	0	0	0	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	2	3	0	0	0	\$378
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							3	0.15	0.3	0	\$378

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

For Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 1, Waste-burning	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year (CXD)	(F) Management Hours Per Year (E x 0.05)	(G) Clerical Hours Per Year (E x 0.1)	(H) Emission Testing Contractor Hours Per Year	Total Labor Costs Per Year (b)
TOTAL:							8,185	409	819	511	\$1,030,725
							Total Hours				
							9,413	\$1,030,725	\$5,135,829		\$6,166,553
										\$2,275,341	\$2,275,341
										\$2,860,300	\$2,860,300

FOOTNOTES

- ^aBased on the total number of existing units expected to continue operating once the guidelines become effective.
- ^bCosts are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.
- ^cOne-time only costs.
- ^dCost incurred by a facility regardless of the number of affected units at the plant.
- ^eAnnual cost. Annual costs are not incurred until the second year of operation.
- ^fBased on the sum of the annualized capital costs for each monitoring system required for incinerators.
- ^gBased on the sum of the calculated annual cost for each monitoring system required for incinerators.
- ^hAssumed that one-third of the facilities will petition for site-specific parameters.
- ⁱAssumed 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.
- ^jAssumed that 10 percent of the facilities would have an exceedance during the year.
- ^kStandards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.
- ^lAssumed \$100 for purchase of filing cabinet to house copy of rule, records and report copies.

Kilns

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$1,300	13	c, d, l
\$939,941	23	c
\$0	0	e
\$0	13	c
\$0	13	c
\$0	0	e
\$0	0	e
\$0	23	c
\$1,334,100	23	c, f
\$2,860,300	23	e, g
\$0	23	
\$0	23	
\$0	13	
\$173	23	
\$0	23	

Kilns

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	13	c
\$0	8	c, h
\$0	5	c, h
\$0	0	c
\$0	13	c
\$0	0	
\$0	2	i
\$0	4	i
\$15	2	j
\$0	0	m
	283	
\$0	0	
\$0	0	k
\$0	0	k
\$0	2	j
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	2	

Kilns

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$5,135,829	285	

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

for for Existing Stationary Sources: Commercial and Industrial Solid Waste Incineration Units - Subpart DDDD - Year 2, Waste-burning (H) (H) Total Labor Costs	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year @\$34.60 (CXD)	(F) Management Hours Per Year @\$82.23 (E x 0.05)	(G) Clerical Hours Per Year @\$22.32 (E x 0.1)	(H) Emission Testing Contractor Hours Per Year @\$80	Total Labor Costs Per Year (b)
Burden Item											
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$0	1	1	0	0	0	0	0	\$0
B. Required Activities											
1) Initial stack test and report (PM, dioxins/furans, opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required))	Included in E.	varies	\$40,867	1	0	0	0	0	0	511	\$0
2) Annual stack test and test report (PM, HCl, Opacity, and Fu	Included in E.	511	\$40,867	1	0	23	0	0	0	11,749	\$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	13	156	8	16	0	\$19,645
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	13	104	5	10	0	\$13,097
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	0	0	0	0	0	\$0
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$0	1	17	0	0	0	0	0	\$0
b) Annual costs	17	0	\$124,361	1	17	0	0	0	0	0	\$0
C. Create Information	Included in 3.B										
D. Gather Information	Included in 3.E										
E. Report Preparation											
1) Notification of initial performance test											
a) Pollutants, fugitive ash emissions	2	0	\$0	1	2	0	0	0	0	0	\$0
b) Fugitive Ash Emissions	1	0	\$0	1	1	0	0	0	0	0	\$0
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	0	0	0	0	0	\$0
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	0	\$7.50	1	8	0	0	0	0	0	\$0
b) Fugitive Ash Emissions	2	0	\$0	1	2	0	0	0	0	0	\$0
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	0	0	0	0	0	\$0

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

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 @\$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)
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	0	\$0	1	6	0	0	0	0	0	\$0
b) With site specific parameter petition	14	0	\$0	1	14	0	0	0	0	0	\$0
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating parameters	Included in 3.B	0	\$0	1	0	0	0	0	0	0	\$0
9) Waste management plan	160	0	\$0	1	160	0	0	0	0	0	\$0
10) Annual Report:											
a) Results of performance tests conducted during the year	40	0	\$7.50	1	40	23	920	46	92	0	\$115,854
11) Status report for operators that are off-site for more than 2 weeks	8	0	\$0	1	8	2	16	1	2	0	\$2,015
12) Corrective action summary for operators that are off-site for more than 2 weeks	8	0	\$0	2	16	2	32	2	3	0	\$4,030
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	2	48	2	5	0	\$6,045
F. Affirmative Defense Claim	30	0	\$0	0	0	0	0	0	0	0	\$0
Reporting Subtotal							1,276	64	128	12,260	\$160,685
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	0	0	0	0	0	0	\$0
2) Records of periods for which minimum amount of data on operating parameters were not obtained	0.5	0	\$0	52	26	0	0	0	0	0	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	2	3	0	0	0	\$378
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	13	13	1	1	0	\$1,637
8) Records of persons who have completed operator training	1	0	\$0	1	1	13	13	1	1	0	\$1,637
9) Records of persons who meet operator qualification criteria	1	0	\$0	1	1	13	13	1	1	0	\$1,637
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	13	312	16	31	0	\$39,290

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

for for Existing Stationary Sources: Commercial and Industrial Solid (H) (H) Total Labor Costs	(A) Respondent Hours per Occurrence (Technical hours)	Emission Testing Contractor Hours Per Occurrence	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent Per Year	(C) Hours Per Respondent Per Year (C=A x B)	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year @\$34.60 (CXD)	(F) Management Hours Per Year @\$82.23 (E x 0.05)	(G) Clerical Hours Per Year @\$22.32 (E x 0.1)	(H) Emission Testing Contractor Hours Per Year @\$80	Total Labor Costs Per Year (b)	
Burden Item												
F. Personnel Training	Included in 3.B											
G. Time for Audits	Not applicable											
<i>Recordkeeping Subtotal</i>							354	17.7	35.4	0	\$44,579	
TOTAL:							1,630	82	163	12,260	\$205,263	
							Total Hours		Labor	Non-Labor	Total	
							Summary of Respondent Burden		1,875	\$205,263	\$5,134,521	\$5,339,784
							Annualized Capital and Startup				\$1,334,100	\$1,334,100
							O & M Summary				\$2,860,300	\$2,860,300

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.

J Kilns

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c, d, l
\$0	0	c
\$939,933	23	e
\$0	0	c
\$0	0	c
\$0	13	e
\$0	13	e
\$0	0	c
\$1,334,100	0	c, f
\$2,860,300	0	e, g
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	c

J Kilns

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c, h
\$0	0	c, h
\$0	0	c
\$0	0	c
\$173	23	
\$0	2	i
\$0	4	i
\$15	2	j
\$0	0	m
	80	
\$0	0	
\$0	0	k
\$0	0	k
\$0	2	j
\$0	13	
\$0	13	
\$0	13	
\$0	13	

Kilns

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	54	
\$5,134,521	134	

**Table 1.e- Annual Respondent Burden and Cost - Emissions Guidelines for Existing Stationary Sources:
Commercial and Industrial Solid Waste Incineration Units (40 CFR Part 60, Subpart DDDD) (Renewal) - Waste-burning Kilns**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)				
	Technical hours per occurrence	Number of occurrence per respondent per year	Hours per respondent per year (C=A x B)	Number of respondents (a)	Technical hours per year (CXD)	Management hours per year (E x 0.05)	Clerical hours per year (E x 0.1)	Total labor costs per year (b)	Total non-labor costs per year	Total Responses	Footnotes
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Familiarization with Rule Requirements (c, d, l)	1	1	1	13	13	1	1	\$1,637	\$0	0	d,l
B. Required Activities											
1) Initial stack test and report (PM, dioxins/furans, opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO ₂) (e)	Included in E.	1	0	0	0	0	0	\$0	\$0	0	c
2) Annual stack test and test report (PM, HCl, Opacity, and Fugitive Ash) (e)	Included in E.	1	0	23	0	0	0	\$0	\$939,933	0	e
3) Operator training and qualification											
a) Establish and teach operator qualification course (c)	64	1	64	0	0	0	0	\$0	\$0	0	c
b) Obtain operator qualification (c)	72	1	72	0	0	0	0	\$0	\$0	0	c
c) Annual refresher course (e)	12	1	12	13	156	7.8	15.6	\$19,644.85	\$0	0	e
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information (e)	8	1	8	13	104	5.2	10.4	\$13,096.56	\$0	0	e
4) Establish operating parameters (maximum and minimum) (c)	40	1	40	0	0	0	0	\$0	\$0	0	c
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs (c, f)	17	1	17	0	0	0	0	\$0	\$0	0	c,f
b) Annual costs (e, g)	17	1	17	0	0	0	0	\$0	\$2,860,300	0	e,g
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	1	2	0	0	0	0	\$0	\$0	0	
b) Fugitive Ash Emissions	1	1	1	0	0	0	0	\$0	\$0	0	
2) Notification of initial CMS Demonstration	2	1	2	0	0	0	0	\$0	\$0	0	
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	1	8	0	0	0	0	\$0	\$0	0	
b) Fugitive Ash Emissions	2	1	2	0	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) (c)	160	1	160	0	0	0	0	\$0	\$0	0	c

**Table 1.e- Annual Respondent Burden and Cost - Emissions Guidelines for Existing Stationary Sources:
Commercial and Industrial Solid Waste Incineration Units (40 CFR Part 60, Subpart DDDD) (Renewal) - Waste-burning Kilns**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)				
	Technical hours per occurrence	Number of occurrence per respondent per year	Hours per respondent per year (C=A x B)	Number of respondents (a)	Technical hours per year (CXD)	Management hours per year (E x 0.05)	Clerical hours per year (E x 0.1)	Total labor costs per year (b)	Total non-labor costs per year	Total Responses	Footnotes
6) Report prior to initial start-up (c, h)											
a) Without site specific parameter petition	6	1	6	0	0	0	0	\$0	\$0	0	c,h
b) With site specific parameter petition	14	1	14	0	0	0	0	\$0	\$0	0	c,h
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating parameters (c)	Included in 3.B	1	0	0	0	0	0	\$0	\$0	0	c
9) Waste management plan (c)	160	1	160	0	0	0	0	\$0	\$0	0	c
10) Annual Report:											
a) Results of performance tests conducted during the year	40	1	40	23	920	46	92	\$115,854.22	\$173	23	
11) Status report for operators that are off-site for more than 2 weeks (i)	8	1	8	2.3	18.4	0.92	1.84	\$2,317.08	\$0	2.3	i
12) Corrective action summary for operators that are off-site for more than 2 weeks (i)	8	2	16	2.3	36.8	1.84	3.68	\$4,634.17	\$0	4.6	i
13) Semiannual report of emissions/parameter exceedances (j)	24	1	24	2.3	55.2	2.76	5.52	\$6,951.25	\$17	2.3	j
Reporting Subtotal						1,499		\$164,135			
4. Recordkeeping Requirements											
A. Familiarization with Rule Requirements	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	52	0	0	0	0	0	\$0	\$0	0	
2) Records of periods for which minimum amount of data on operating parameters were not obtained	0.5	52	26	0	0	0	0	\$0	\$0	0	k
3) Records of malfunction of the unit (k)	1.5	1	1.5	0	0	0	0	\$0	\$0	0	k
4) Records of exceedances of the operating parameters (j)	1.5	1	1.5	2.3	3.45	0.17	0.35	\$434.45	\$0	0	j
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	1	1	13	13	0.65	1.3	\$1,637.07	\$0	0	
8) Records of persons who have completed operator training	1	1	1	13	13	0.65	1.3	\$1,637.07	\$0	0	
9) Records of persons who meet operator qualification criteria	1	1	1	13	13	0.65	1.3	\$1,637.07	\$0	0	
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	1	24	13	312	15.6	31.2	\$39,289.69	\$0	0	

**Table 1.e- Annual Respondent Burden and Cost - Emissions Guidelines for Existing Stationary Sources:
Commercial and Industrial Solid Waste Incineration Units (40 CFR Part 60, Subpart DDDD) (Renewal) - Waste-burning Kilns**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)				
	Technical hours per occurrence	Number of occurrence per respondent per year	Hours per respondent per year (C=A x B)	Number of respondents (a)	Technical hours per year (CXD)	Management hours per year (E x 0.05)	Clerical hours per year (E x 0.1)	Total labor costs per year (b)	Total non-labor costs per year	Total Responses	Footnotes
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
Recordkeeping Subtotal						408		\$44,635			
TOTAL:						1,907		\$208,771	\$3,800,423	32	
						Total Hours	Labor	Grand Total			
						Summary of Respondent Burden	1,907	\$208,771	\$4,009,194		

FOOTNOTES

Based on the total number of existing units expected to continue operating once the guidelines become effective.

Costs are based on the following hourly rates: technical at \$112.98, management at \$149.35, clerical at \$54.81, and testing contractor at \$80.

One-time only costs.

Cost incurred by a facility regardless of the number of affected units at the plant.

Annual cost. Annual costs are not incurred until the second year of operation.

Based on the sum of the annualized capital costs for each monitoring system required for incinerators.

Based on the sum of the calculated annual cost for each monitoring system required for incinerators.

Assumed that one-third of the facilities will petition for site-specific parameters.

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.

Assumed that 10 percent of the facilities would have an exceedance during the year.

Standards apply at all times under the newly proposed regulation. Therefore no periods of unobtained data or malfunction periods are expected.

Assumed \$100 for purchase of filing cabinet to house copy of rule, records and report copies.

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	\$863
3. Required Activities							
A. Observe initial stack tests (PM, dioxins/furans, opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2)	22	c,d	48	1037	52	104	\$55,906
B. Excess emissions -- Enforcement Activities	11	f	24	259	13	26	\$13,977
C. Create Information	not applicable						
D. Gather Information	not applicable						
E. Report Reviews							
1) Review waste management plan and siting analysis	78	c	8	624	31	62	\$33,647
2) Review report submitted prior to initial startup	56	c	2	112	6	11	\$6,039
3) Review initial stack test report	108	c	40	4320	216	432	\$232,943
4) Review annual compliance report	0	e	8	0	0	0	\$0
5) Review semi-annual excess emission and parameter exceedance report	10	f	16	163	8	16	\$8,800
6) Review status reports and corrective action summary for operators off-site	20	g	4	82	4	8	\$4,400
F. Prepare annual summary report	1		200	200	10	20	\$10,784
5. Travel expenses: (1 person * 30 hours per year / 8 hours per day * \$75 per diem) + (\$600 per round trip)			\$881	per trip			\$19,035
TOTAL				6813	341	681	\$386,395

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	259	13	26	\$13,977
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	108	e	8	864	43	86	\$46,589
5) Review semi-annual excess emission and parameter exceedance report	10	f	16	163	8	16	\$8,800
6) Review status reports and corrective action summary for operators off-site	20	g	4	82	4	8	\$4,400
F. Prepare annual summary report	1		200	200	10	20	\$10,784
5. Travel expenses: (1 person * 30 hours per year / 8 hours per day * \$75 per diem) + (\$600 per round trip	per trip						\$0
TOTAL				1568	78	157	\$84,550

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. Familiarization with 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	10.8	f	24	259.20	12.96	25.92	\$13,976.58	
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	108	e	8	864	43.2	86.4	\$46,588.61	
5) Review semi-annual excess emission and parameter exceedance report	8.2	f	16	131.20	6.56	13.12	\$7,074.57	
6) Review status reports and corrective action summary for operators off-site	24.6	g	4	98.4	4.92	9.84	\$5,305.92	
F. Prepare annual summary report	1		200	200	10	20	\$10,784.40	
TOTAL		h			1,790		\$83,700	

FOOTNOTES

- a Costs are based on the following hourly rates (loaded with 60% for fringe and overhead): technical at \$48.08, management at \$64.80, clerical at \$26.02.
- 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.