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

Used catalytic oxidizer costing for all sizes, though some fell outside the appropriate size-range for the EPA Air Pollution Control Cost Manual, Sixth Edition EPA 452/B-02-001

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
311g.11d.11) \$2.50 1
Originally \$2004
Criginally \$200 i
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, Incinerate

TOT EXISTING STATIONARY SOL			Liidusti Iu							rear 1, 1	iloziloi ac
for for Existing Stationary Sources: Commercial and Industrial Solid Wa		Emission		(B)	(C)	(D)	(E)	(F)	(G)	(H)	
(H) (H) TotaTotal	Respondent Hours per	Testing Contractor	Non-Labor Costs	Number of Occurrences	Hours Per	Number of Respondents	Technical Hours	Management Hours	Clerical Hours	Emission Testing	Total Labor Costs
LaboLabor Costs	Occurrence	Hours	Per	Per	Respondent	Per Year (a	Per Year	Per Year	Per Year	Contractor	Per Year
	(Technical	Per	Occurrence	Respondent	Per Year					Hours Per	(b)
Burden Item	hours)	Occurrence		Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E × 0.1)	Year	
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	Θ	\$2,770
B. Required Activities											
 Initial stack test and report (PM, dioxins/furans, 	Included in E.	varies	\$55,200	1	0	27	0	Θ	0	690	\$0
opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required))											
Annual stack test and test report (PM, HCl, Opacity, and Fugi	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	Θ	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		<u> </u>								
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
Notification of initial CMS Demonstration	2	0	\$0	1	2	22	44	2	4	0	\$5,541
3) Report of initial performance test											<u> </u>
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	Ť	Ψ"	-	_		<u> </u>			+ -	+5,550
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	22	3,520	176	352	0	\$443,268
	100	0	Φυ	1	100		3,320	110	302		\$443,208
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	Θ	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, Incinerate

		Liidusti Iu		usec Inc.	THE UCTOR	0.12.00	- Oubpui c			HOTHCI ACC
, ,	Emission		(B)	(C)	(D)	(E)	(F)	(G)	(H)	
· ·							_ ~	I		Total
· ·								I		Labor Costs
		_			Per Year (a	Per Year	Per Year	Per Year		Per Year
,		occurrence				(CXD)	(F v 0 05)	(F v 0 1)		(b)
· · · · · ·	occur i cricc		rer rear	(0-A X B)		(OND)	(E x 0.03)	(E × 0.1)	icai	
	Θ.	\$0	1	#VALUE I	0	Θ.	Θ.	Θ	0	\$0
										\$443,268
100		45	-	100		0,020	1.0	002		ψ1.10/200
40	Θ	\$7.50	1	40	0	0	0	0	0	\$0
8	Θ		1		2.2		1	2	Θ	\$2,216
more	-		_				_	_		72,225
8	0	\$0	2	16	2.2	35	2	4	0	\$4,433
24	0	\$7.50	1	24	2.2	53	3	5	0	\$6,649
30	0	\$0	0	0	0	0	0	0	0	\$0
						12,553	628	1,255	690	\$1,580,730
Inculded in 3.A										
Not applicable										
Not applicable										
Not applicable										
included in 3.B.5.	0	\$0	52	0	0	0	0	0	0	\$0
g										
0.5	0	\$0	52	26	0	0	0	0	0	\$0
1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
1.5	0	\$0	1	1.5	2.2	3	0	0	0	\$416
Included in 3.E										
Included in 3.E										
1	0	\$0	1	1	0	0	0	0	0	\$0
1	0	\$0	1	1	0	0	0	0	0	\$0
1	0	\$0	1	1	0	0	0	0	0	\$0
Included in 3.B										
24	0	\$0	1	24	0	0	0	0	0	\$0
	Respondent Hours per Occurrence (Technical hours) Included in 3.B.1 Included in 3.B.1 Included in 3.B Included in 3.B Included in 3.A Not applicable Not applicable Not applicable Included in 3.B.5.	Respondent Hours per Occurrence (Technical hours) Per Occurrence (Technical hours) Per Occurrence Included in 3.B.1 Incl	Respondent Hours per Occurrence (Technical hours) Per Occurrence (Technical hours) Per Occurrence	Care Contract Co	C Respondent Testing Contractor Hours per Occurrence Per Respondent Per Per Per Per Occurrence Per Per	Carrended Contractor Costs Per Occurrence Per Pe	Company	(A)	(A) Emission Testing Respondent Hours per Occurrence Nortactor Per Occurrence Nours Per Nours Nours Per Vear (CAX B) (CXO) (EX 0.05) (EX 0.1) (CXO) (CXO) (EX 0.1) (CXO) (CXO) (EX 0.1) (CXO) (C	Carried Carr

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, Incinerate

for for Existing Stationary Sources: Commercial and Industrial Solid Wa	(A)	Emission		(B)	(C)	(D)	(E)	(F)	(G)	(H)	
(H) (H)	Respondent	Testing	Non-Labor	Number of	Hours	Number of	Technical	Management	Clerical	Emission	Total
TotaTotal	Hours per	Contractor	Costs	Occurrences	Per	Respondents	Hours	Hours	Hours	Testing	Labor Costs
LaboLabor Costs	Occurrence	Hours	Per	Per	Respondent	Per Year (a	Per Year	Per Year	Per Year	Contractor	Per Year
	(Technical	Per	Occurrence	Respondent	Per Year					Hours Per	(b)
Burden Item	hours)	Occurrence		Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E x 0.1)	Year	
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
Recordkeeping Subtotal							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 \$1,581,140									\$1,581,146	\$1,920,319	\$3,501,465
					Annualized C	apital and Sta	artup			\$1,564,600	\$1,564,600
0 & M Summary										\$355,500	\$355,500

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 $^{^{}m a}$ 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.

 $^{^{\}mbox{\scriptsize d}}$ Cost incurred by a facility regardless of the number of affected units at the plant.

 $^{^{\}mbox{\scriptsize e}}$ 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 puchase of filing cabinet to house copy of rule, records and report copies.

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/1 3		
Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$2,200	22	c,d,l
\$1,490,400	27	С
\$0	0	е
\$0 \$0 \$0	22 22 0	c c e
Φ0	U	е
\$0	0	е
\$0	27	С
\$72,000 \$355,500	27 27	c,f e,g
\$0 \$0	27 27	
\$0	22	
Ψ0		
\$203	27	
\$0	27	
\$0	22	С
\$0 \$0	0	c,h c,h
1		

rs

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	С
\$0	22	С
\$0	0	
\$0	2	i
-		
\$0 \$17	2	i
\$17	0	j
\$0	357	m
	337	
\$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, Incinerate

101 Extering Statement y So								- Juspai c			
for for Existing Stationary Sources: Commercial and Industrial Solid W	` '	Emission	Non Lobor	(B)	(C)	(D)	(E)	(F)	(G)	(H)	T-4-1
(H) (H) TotaTotal	Respondent Hours per	Testing Contractor	Non-Labor Costs	Number of Occurrences	Hours Per	Number of Respondents	Technical Hours	Management Hours	Clerical Hours	Emission Testing	Total Labor Costs
LabcLabor Costs	Occurrence	Hours	Per	Per	Respondent	Per Year (a	Per Year	Per Year	Per Year	Contractor	Per Year
	(Technical	Per	Occurrence	Respondent	Per Year					Hours Per	(b)
Burden Item	hours)	Occurrence		Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E x 0.1)	Year	
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	Θ	\$0
B. Required Activities											
 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
 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
 Operator training and qualification 											
a) Establish and teach operator qualification course	64	0	\$0	1	64	0	0	0	0	Θ	\$0
b) Obtain operator qualification	72	0	\$0	1	72	Θ	0	0	0	Θ	\$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	Θ	\$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										
5) Report prior to construction (includes siting analysis)	3.B.5 160	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

101 Extering Gracientary Co.								- Juspui c		· · · · · · · ·	
for for Existing Stationary Sources: Commercial and Industrial Solid W	, ,	Emission		(B)	(C)	(D)	(E)	(F)	(G)	(H)	
(H) (H) TotaTotal	Respondent Hours per	Testing Contractor	Non-Labor Costs	Number of Occurrences	Hours Per	Number of Respondents	Technical Hours	Management Hours	Clerical Hours	Emission Testing	Total Labor Costs
LabcLabor Costs	Occurrence	Hours	Per	Per	Respondent	Per Year (a	Per Year	Per Year	Per Year	Contractor	Per Year
	(Technical	Per	Occurrence	Respondent	Per Year	(Hours Per	(b)
Burden Item	hours)	Occurrence		Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E x 0.1)	Year	
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	0	\$0	1	6	Θ	0	0	0	0	\$0
b) With site specific parameter petition	14	0	\$0	1	14	Θ	0	Θ	0	0	\$0
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating paramete	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	8	0	\$0	1	8	2.2	18	1	2	0	\$2,216
12) Corrective action summary for operators that are off-site for than 2 weeks	more 8	Θ	\$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
ReportingSubtotal			***	-			2,085	104	208	18,630	\$262,511
4. Recordkeeping Requirements							,			.,	, .
A. Read Instructions	Inculded in 3.A							<u> </u>			
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 operation											
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 whe 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, Incinerate

0 & M Summary

\$355,500

\$355,500

for for Existing Stationary Sources: Commercial and Industrial Solid W	a (A)	Emission		(B)	(C)	(D)	(E)	(F)	(G)	(H)	
(H) (H)	Respondent	Testing	Non-Labor	Number of	Hours	Number of	Technical	Management	Clerical	Emission	Total
TotaTotal	Hours per	Contractor	Costs	Occurrences	Per	Respondents	Hours	Hours	Hours	Testing	Labor Costs
LabcLabor Costs	Occurrence	Hours	Per	Per	Respondent	Per Year (a	Per Year	Per Year	Per Year	Contractor	Per Year
	(Technical	Per	Occurrence	Respondent	Per Year					Hours Per	(b)
Burden Item	hours)	Occurrence		Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E x 0.1)	Year	
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
Recordkeeping Subtotal							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

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^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.

One-time only costs.

 $^{^{\}mbox{\scriptsize d}}$ Cost incurred by a facility regardless of the number of affected units at the plant.

 $^{^{\}mathrm{e}}$ 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 puchase 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	С
\$1,490,400	27	е
\$0	0	•
\$0	0	c
\$0	22	e
4.5		-
\$0	22	e
\$0	0	С
\$72,000	0	c,f
\$355,500	27	e,g
\$0	Θ	
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	С

ors

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

prs

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) FootnFootnotes ResptResponses Burden Item	(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
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,	Included in E.	1	0	0	0	0	0	\$0	\$0	0	с
opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required))											
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
Operator training and qualification											
a) Establish and teach operator qualification course	64	1	64	0	0	0	0	\$0	\$0	0	с
b) Obtain operator qualification	72	1	72	0	0	0	0	\$0	\$0	0	с
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
Establish operating parameters (maximum and minimum)	40	1	40	0	0	0	0	\$0	\$0	0	С
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) FootnFootnotes	(A) Respondent Hours per	(B) Number of Occurrences	(C) Hours Per	(D) Number of Respondents	(E) Technical Hours	(F) Management Hours	(G) Clerical Hours	Total Labor Costs	Total Non-Labor	Total Responses	Footnotes
RespcResponses	Occurrence (Technical	Per Respondent	Respondent Per Year	Per Year (a)	Per Year	Per Year		Per Year (b)	Costs Per Year	Per Year	
Burden Item	hours)	Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E x 0.1)				
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	с
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										
Report established values for site-specific operating parameters	Included in 3.B	1	0	0	0	0	0	\$0	\$0	0	с
9) Waste management plan	160	1	160	0	0	0	0	\$0	\$0	0	С
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
 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
ReportingSubtotal						2,423		\$265,281	\$1,846,119	-	,
4. Recordkeeping Requirements											
A. Familiarization with Rule Requirements	Inculded in 3.A										
B. Plan Activities	Not applicable										
C. Implement Activities	Not applicable										
D. Develop Record System	Not applicable										
E. Record Information											
Records of operating parameters	Included in 3.B.5.b	52	0	0	0	0	0	\$0	\$0	0	
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
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										
Records of siting analysis	Included in 3.E										
Records of persons who have reviewed operating procedures	1	1	1	22	22	1.10	2.2	\$2,770.43	\$0	0	
Records of persons who have completed operator training	1	1	1	22	22	1.10	2.2	\$2,770.43	\$0	0	
Records of persons whe 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	rvot applicable					687	<u> </u>	\$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 ResptResponses	(A) Respondent Hours per Occurrence (Technical	(B) Number of Occurrences Per Respondent	(C) Hours Per Respondent Per Year	(D) Number of Respondents Per Year (a)	(E) Technical Hours Per Year	(F) Management Hours Per Year	(G) Clerical Hours	Total Labor Costs Per Year (b)	Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
Burden Item	hours)	Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E x 0.1)	(-)			
TOTAL:						3,109		\$340,498	\$1,846,119		•
						Total Hours	Labor	Grand Total			
			Summary of Resp	ondent Burden		3,109	\$340,498	\$2,186,617			

FOOTNOTES

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

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

^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.

 $^{^{\}rm d}$ 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.

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.

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

Tor Existing Stationary Sources: Col	illier crat and	i Tiluusti Ta	r antia M	aste Tuci	THE ALTON	OUTES -	Suppar L	ז - טטטט	eai I, Ei	iergy Rec	overy u
for for Existing Stationary Sources: Commercial and Industrial Solid Wa (H) (H) TotaTotal LabcLabor Costs	Respondent Hours per Occurrence (Technical	Emission Testing Contractor Hours Per	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent	(C) Hours Per Respondent Per Year	(D) Number of Respondents Per Year (a	(E) Technical Hours Per Year	(F) Management Hours Per Year	(G) Clerical Hours Per Year	(H) Emission Testing Contractor Hours Per	Total Labor Cost: Per Year (b)
Burden Item 1. Applications	hours) Not applicable	Occurrence		Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E x 0.1)	Year	
	• • • • • • • • • • • • • • • • • • • •										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements			****								44 000
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,	Included in E.	varies	\$55,200	1	0	22	0	Θ	0	690	\$0
opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required))											
2) Annual stack test and test report (PM, HCl, Opacity, and Fugi	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	Θ	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	Θ	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) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	13	2,080	104	208	0	\$261,931
1 (1	I -	1 ***	1 -	1	1	_,	1	1	1 -	1 /,

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

TOT EXTOCATING OFFICE OF CONTROL				4000 11101			ouspu. c	2222	-, <u>-</u> ,	97	crei y ciii
for for Existing Stationary Sources: Commercial and Industrial Solid Wa		Emission		(B)	(C)	(D)	(E)	(F)	(G)	(H)	_
(H) (H)	Respondent	Testing	Non-Labor	Number of	Hours	Number of	Technical	Management	Clerical	Emission	Total
TotaTotal LabcLabor Costs	Hours per Occurrence	Contractor Hours	Costs Per	Occurrences Per	Per Respondent	Respondents Per Year (a	Hours Per Year	Hours Per Year	Hours Per Year	Testing Contractor	Labor Costs Per Year
Labulabul Costs	(Technical	Per	Occurrence	Respondent	Per Year	rei ieai (a	rei ieai	Per rear	Per rear	Hours Per	(b)
Burden Item	hours)	Occurrence		Per Year	(C=A x B)		(CXD)	(E × 0.05)	(E × 0.1)	Year	(-)
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	Θ	Θ	0	\$0
11) Status report for operators that are off-site for more than 2 v	8	0	\$0	1	8	2	16	1	2	0	\$2,015
12) Corrective action summary for operators that are off-site for (nore										
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	Θ	0	0	0	0	\$0
ReportingSubtotal							8,095	405	810	690	\$1,019,391
4. Recordkeeping Requirements											
A. Read Instructions	Inculded 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 I	ncluded 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 whe 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
u											

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

									-, <u>-</u> ,		010. j C
for for Existing Stationary Sources: Commercial and Industrial Solid Wa	(A)	Emission		(B)	(C)	(D)	(E)	(F)	(G)	(H)	
(H) (H)	Respondent	Testing	Non-Labor	Number of	Hours	Number of	Technical	Management	Clerical	Emission	Total
TotaTotal	Hours per	Contractor	Costs	Occurrences	Per	Respondents	Hours	Hours	Hours	Testing	Labor Costs
LaboLabor Costs	Occurrence	Hours	Per	Per	Respondent	Per Year (a	Per Year	Per Year	Per Year	Contractor	Per Year
	(Technical	Per	Occurrence	Respondent	Per Year					Hours Per	(b)
Burden Item	hours)	Occurrence		Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E x 0.1)	Year	
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
Recordkeeping Subtotal							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 \$734,622 \$734,622

0 & M Summary

F00TN0TES

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.

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.

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.

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

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 $^{^{}m a}$ 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.

 $^{^{\}mbox{\scriptsize d}}$ Cost incurred by a facility regardless of the number of affected units at the plant.

 $^{^{\}mathrm{e}}$ Annual cost. Annual costs are not incurred until the second year of operation.

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

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	8	c,h
\$0	5	c,h
\$0	0	С
\$0	13	С
\$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	

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 Uni

for for Existing Stationary Sources: Commercial and Industrial Solid	(A)	Emission		(B)	(C)	(D)	(E)	(F)	(G)	(H)	1
(H) (H)	Respondent	Testing	Non-Labor	Number of	Hours	Number of	Technical	Management	Clerical	Emission	Total
TotaTotal LabcLabor Costs	Hours per Occurrence	Contractor Hours	Costs Per	Occurrences Per	Per Respondent	Respondents Per Year (a	Hours Per Year	Hours Per Year	Hours Per Year	Testing Contractor	Labor Costs Per Year
Labelabor Costs	(Technical	Per	Occurrence	Respondent	Per Year	Per rear (a	Per fear	Per fear	Per rear	Hours Per	(b)
Burden Item	hours)	Occurrence	000011101100	Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E x 0.1)	Year	(5)
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	Θ	\$0	1	1	0	0	0	0	0	\$0
B. Required Activities											
 Initial stack test and report (PM, dioxins/furans, 	Included in E.	varies	\$55,200	1	0	0	0	0	0	690	\$0
opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required)										
2) Annual stack test and test report (PM, HCl, Opacity, and I	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	Θ	Θ	0	Θ	\$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 Uni

Tot Existing Stationary Sources: Co				14000 1110					-, -,	97	,
for for Existing Stationary Sources: Commercial and Industrial Soli		Emission		(B)	(C)	(D)	(E)	(F)	(G)	(H)	
(H) (H) TotaTotal	Respondent Hours per	Testing Contractor	Non-Labor Costs	Number of Occurrences	Hours Per	Number of Respondents	Technical Hours	Management Hours	Clerical Hours	Emission Testing	Total Labor Costs
LaboLabor Costs	Occurrence	Hours	Per	Per	Respondent	Per Year (a	Per Year	Per Year	Per Year	Contractor	Per Year
	(Technical	Per	Occurrence	Respondent	Per Year					Hours Per	(b)
Burden Item	hours)	Occurrence		Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E × 0.1)	Year	
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	Θ	Θ	Θ	0	0	\$0
b) With site specific parameter petition	14	0	\$0	1	14	0	0	0	0	0	\$0
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating param	Included in 3.B	0	\$0	1	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 tha	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 30	0	\$7.50 \$0	0	24 0	0	48 0	0	5	0	\$6,045 \$0
F. Affirmative Defense Claim ReportingSubtotal	30	U	Φ0	0	0	0	1,236	62	124	15,870	\$155,648
4. Recordkeeping Requirements						+	1,230	02	124	15,870	\$155,046
A. Read Instructions	Inculded in 3.A										
B. Plan Activities	Not applicable										
C. Implement Activities	Not applicable					1					
D. Develop Record System	Not applicable										
E. Record Information											
1) Records of operating parameters I	ncluded in 3.B.5.	. 0	\$0	52	0	Θ	0	0	0	0	\$0
2) Records of periods for which minimum amount of data on oper	4										
parameters were not obtained	0.5	0	\$0	52	26	Θ	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 whe meet operator qualification criteria		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	ŭ	Ψ0	<u> </u>		1		1	"	<u> </u>	\$55,250
G. Time for Audits											
Recordkeeping Subtotal	Not applicable					-	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 Uni

for for Existing Stationary Sources: Commercial and Industrial Solid	(A)	Emission		(B)	(C)	(D)	(E)	(F)	(G)	(H)	
(H) (H)	Respondent	Testing	Non-Labor	Number of	Hours	Number of	Technical	Management	Clerical	Emission	Total
TotaTotal	Hours per	Contractor	Costs	Occurrences	Per	Respondents	Hours	Hours	Hours	Testing	Labor Costs
LabcLabor Costs	Occurrence	Hours	Per	Per	Respondent	Per Year (a	Per Year	Per Year	Per Year	Contractor	Per Year
	(Technical	Per	Occurrence	Respondent	Per Year					Hours Per	(b)
Burden Item	hours)	Occurrence		Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E x 0.1)	Year	
TOTAL:				-			1,590	80	159	15,870	\$200,226
								Total Hours	Labor	Non-Labor	Total
					Summary of R	espondent Bur	den	1,829	\$200,226	\$2,583,374	\$2,783,600
					Annualized C	apital and St	artup			\$418,000	\$418,000
					0 & M Summar	у				\$950,794	\$950,794

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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.

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

 $^{^{}m a}$ 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.

 $^{^{}m d}$ Cost incurred by a facility regardless of the number of affected units at the plant.

 $^{^{\}mbox{\scriptsize e}}$ 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.

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.

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c,d,l
\$0	0	С
\$1,214,400	22	е
\$0	0	С
\$0	0	С
\$0	13	е
\$0	13	е
\$0	0	С
\$418,000	0	c,f
\$950,794	0	e,g
\$0	0	
\$0	0	
\$0	0	
40	0	
\$0 \$0	0 0	
φυ	U	

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

	Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
Ī	\$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) -		(B)	(C)	(D)	(E)	(F)	(G)				
Commercial and measures cond waste memeration come (10 cm mar oo, catopar BBBB) (renewal)	Respondent	Number of	Hours	Number of	Technical	Management	Clerical	Total	Total	Total	Footnotes
FootnFootnotes	Hours per	Occurrences	Per	Respondents	Hours	Hours	Hours	Labor Costs	Non-Labor	Responses	
Resp(Responses	Occurrence	Per	Respondent	Per Year (a)	Per Year	Per Year	Per Year	Per Year	Costs	Per Year	
	(Technical	Respondent	Per Year					(b)	Per Year		
	hours)	Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E x 0.1)				
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,	Included in E.	1	0	0	0	0	0	\$0	\$0	0	С
opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required))											
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	е
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	1	64	0	0	0	0	\$0	\$0	0	С
b) Obtain operator qualification	72	1	72	0	0	0	0	\$0	\$0	0	С
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
Establish operating parameters (maximum and minimum)	40	1	40	0	0	0	0	\$0	\$0	0	С
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)

	Commercial and madarian by	ond Trubte mer	meration on	10 (10 0111	2 412 000, 541	Purte) (reene (1 ar)	2	decovery on	113 (301143)		
Commercial a	nd Industrial Solid Waste Incineration Units (40 CFR Part 60, Subpart DDDD) (Renewal) - En	(A)	(B)	(C)	(D)	(E)	(F)	(G)	T	T . 1	m - 1	
FootrFo	otnotes	Respondent Hours per	Number of Occurrences	Hours Per	Number of Respondents	Technical Hours	Management Hours	Clerical Hours	Total Labor Costs	Total Non-Labor	Total Responses	Footnotes
RespoRe		Occurrence	Per	Respondent	Per Year (a)	Per Year	Per Year	Per Year	Per Year	Costs	Per Year	
		(Technical	Respondent	Per Year					(b)	Per Year		
		hours)	Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E x 0.1)				
	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	С
	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	С
	9) Waste management plan	160	1	160	0	0	0	0	\$0	\$0	0	С
	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
\Box	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
	portingSubtotal						1,447		\$158,494			
4.	Recordkeeping Requirements											
Ш _	A. Familiarization with Rule Requirements	Inculded 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										
	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	
	Records of persons whe 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										
Re	cordkeeping Subtotal	**					407		\$44,616			
TO	OTAL:						1,855		\$203,110	\$2,165,376	30.8	
			•		•		Total Hours	Labor	Grand Total			

Summary of Respondent Burden 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)

			(, , , , , , , ,	- 00		(
Commercial and Industrial Solid Waste Incineration Units (40 CFR Part 60, Subpart DDDD) (Renewal) - En	(A)	(B)	(C)	(D)	(E)	(F)	(G)				
	Respondent	Number of	Hours	Number of	Technical	Management	Clerical	Total	Total	Total	Footnotes
FootnFootnotes	Hours per	Occurrences	Per	Respondents	Hours	Hours	Hours	Labor Costs	Non-Labor	Responses	ĺ
Resp(Responses	Occurrence	Per	Respondent	Per Year (a)	Per Year	Per Year	Per Year	Per Year	Costs	Per Year	ĺ
	(Technical	Respondent	Per Year					(b)	Per Year		ĺ
	hours)	Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E x 0.1)				<u> </u>

FOOTNOTES

- 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 puchase of filing cabinet to house copy of rule, records and report copies.

^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.

 $^{^{\}rm d}$ 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.

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:

Tor Existing Stationary Sources.	Oommer or a c	una Inaasti	<u> </u>	HUSCO II	IOTHC: UCT	OII OIIICO	- Subpai	- טטטט	icai 1,	JIIIALL K	IIIOCC TII
for for Existing Stationary Sources: Commercial and Industrial Solid N	(A)	Emission		(B)	(C)	(D)	(E)	(F)	(G)	(H)	
(H) (H) TotaTotal	Respondent	Testing	Non-Labor	Number of	Hours	Number of	Technical	Management	Clerical	Emission	Total
LaboLabor Costs	Hours per Occurrence	Contractor Hours	Costs Per	Occurrences Per	Per Respondent	Respondents Per Year (a	Hours Per Year	Hours Per Year	Hours Per Year	Testing Contractor	Labor Cost Per Year
EdboEdbor 003E3	(Technical	Per	Occurrence	Respondent	Per Year	l rer rear (a	Ter rear	l ici icai	l ci icai	Hours Per	(b)
Burden Item	hours)	Occurrence		Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E x 0.1)	Year	. ,
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											
 Initial stack test and report (PM, dioxins/furans, 	Included in E.	varies	\$55,200	1	0	30	0	0	0	690	\$0
opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required))											
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:

Tot Existing Stationary Sources	. Oommer orac	una Inaasti	<u> </u>	waste I	1021101 462	011 011103	- Jubpai	- טטטט	1041 1,	Omace ite	IIIO CC TIIC
for for Existing Stationary Sources: Commercial and Industrial Solid (H) (H) TotaTotal LaboLabor Costs	(A) Respondent Hours per Occurrence	Emission Testing Contractor Hours	Non-Labor Costs Per	(B) Number of Occurrences Per	(C) Hours Per Respondent	(D) Number of Respondents Per Year (a	(E) Technical Hours Per Year	(F) Management Hours Per Year	(G) Clerical Hours Per Year	(H) Emission Testing Contractor	Total Labor Costs Per Year
240524001 00000	(Technical	Per	Occurrence	Respondent	Per Year	10	. ccu.	100.100.	101 1041	Hours Per	(b)
Burden Item	hours)	Occurrence		Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E × 0.1)	Year	
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	Θ	\$0	1	6	17	102	5	10	0	\$12,845
b) With site specific parameter petition	14	Θ	\$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 paramet	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	Θ	Θ	0	\$0
11) Status report for operators that are off-site for more than	8	0	\$0	1	8	3	24	1	2	0	\$3,022
12) Corrective action summary for operators that are off-site fo					10		40	_	_	_	#C 045
than 2 weeks 13) Semiannual report of emissions/parameter exceedances	8 24	0	\$0 \$7.50	1	16 24	3	48 72	4	5 7	0	\$6,045 \$9,067
F. Affirmative Defense Claim	30	0	\$0	0	0	0	0	0	0	0	\$9,007
ReportingSubtotal	00						14,916	746	1,492	690	\$1,878,350
4. Recordkeeping Requirements							,		, -		. , ,
A. Read Instructions	Inculded 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 operat											
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 whe 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	(A)	Emission		(B)	(C)	(D)	(E)	(F)	(G)	(H)	
(H) (H)	Respondent	Testing	Non-Labor	Number of	Hours	Number of	Technical	Management	Clerical	Emission	Total
TotaTotal	Hours per	Contractor	Costs	Occurrences	Per	Respondents	Hours	Hours	Hours	Testing	Labor Costs
LaboLabor Costs	Occurrence	Hours	Per	Per	Respondent	Per Year (a	Per Year	Per Year	Per Year	Contractor	Per Year
	(Technical	Per	Occurrence	Respondent	Per Year					Hours Per	(b)
Burden Item	hours)	Occurrence		Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E x 0.1)	Year	
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
Recordkeeping Subtotal							4.5	0.225	0.45	0	\$567
TOTAL:							14,921	746	1,492	690	\$1,878,916
								Total Hours	Lahor	Non Labor	Total

		Total Hours	Labor	Non-Labor	Total
S	summary of Respondent Burden	17,159	\$1,878,916	\$1,918,048	\$3,796,96
A	nnualized Capital and Startup			\$1,742,600	\$1,742,60
C	& M Summary			\$175,200	\$175,200

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 $^{^{}m a}$ Based 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.

One-time only costs

 $^{^{\}mbox{\scriptsize d}}$ Cost incurred by a facility regardless of the number of affected units at the plant.

 $^{^{\}rm e}{\mbox{\sc Annual costs}}$. 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.

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

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

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

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:

	(A)	Emission		(B)	(C)	(D)	(E)	(F)	(G)	(H)	
(H) (H) TotaTotal	Respondent Hours per	Testing Contractor	Non-Labor Costs	Number of Occurrences	Hours Per	Number of Respondents	Technical Hours	Management Hours	Clerical Hours	Emission Testing	Total Labor Costs
LabcLabor Costs	Occurrence	Hours	Per	Per	Respondent	Per Year (a	Per Year	Per Year	Per Year	Contractor	Per Year
	(Technical	Per	Occurrence	Respondent	Per Year	(1				Hours Per	(b)
Burden Item	hours)	Occurrence		Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E x 0.1)	Year	
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											
 Initial stack test and report (PM, dioxins/furans, 	Included in E.	varies	\$55,200	1	0	0	0	0	0	690	\$0
opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required)										
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:

	(A)	Emission		(B)	(C)	(D)	(E)	(F)	(G)	(H)	
(H) (H)	Respondent	Testing	Non-Labor	Number of	Hours	Number of	Technical	Management	Clerical	Emission	Total
TotaTotal	Hours per	Contractor	Costs	Occurrences	Per	Respondents	Hours	Hours	Hours	Testing	Labor Costs
LabcLabor Costs	Occurrence (Technical	Hours Per	Per Occurrence	Per Respondent	Respondent Per Year	Per Year (a	Per Year	Per Year	Per Year	Contractor Hours Per	Per Year (b)
Burden Item	hours)	Occurrence	occurrence	Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E x 0.1)	Year	
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 parame	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	8	0	\$0	1	8	3	24	1	2	0	\$3,022
12) Corrective action summary for operators that are off-site			40		4.0		40		_	0	# C 045
than 2 weeks 13) Semiannual report of emissions/parameter exceedances	8 24	0	\$0 \$7.50	2	16 24	3	48 72	2	5 7	0	\$6,045 \$9,067
F. Affirmative Defense Claim	30	0	\$0	0	0	0	0	0	0	0	\$0
ReportingSubtotal			Ψ0			Ü	1,864	93	186	21,390	\$234,731
4. Recordkeeping Requirements							,			,	,
A. Read Instructions	Inculded in 3.A										
B. Plan Activities	Not applicable										
C. Implement Activities	Not applicable										
D. Develop Record System	Not applicable										
E. Record Information											
Records of operating parameters	ncluded 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 opera											
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 whe 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:

0 & M Summary

\$175,200

\$175,200

	(A)	Emission		(B)	(C)	(D)	(E)	(F)	(G)	(H)	
(H) (H)	Respondent	Testing	Non-Labor	Number of	Hours	Number of	Technical	Management	Clerical	Emission	Total
TotaTotal	Hours per	Contractor	Costs	Occurrences	Per	Respondents	Hours	Hours	Hours	Testing	Labor Costs
LabcLabor Costs	Occurrence	Hours	Per	Per	Respondent	Per Year (a	Per Year	Per Year	Per Year	Contractor	Per Year
	(Technical	Per	Occurrence	Respondent	Per Year					Hours Per	(b)
Burden Item	hours)	Occurrence		Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E × 0.1)	Year	
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
Recordkeeping Subtotal							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 R	espondent Bur	den	2,956	\$323,699	\$1,915,448	\$2,239,147
Annualized Capital and Startup							\$84,000	\$84,000			

F00TN0TES

 $^{^{}m a}$ 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.

Cone-time only costs

 $^{^{\}mbox{\scriptsize d}}$ Cost incurred by a facility regardless of the number of affected units at the plant.

 $^{^{\}mbox{\scriptsize e}}$ 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.

 $[\]label{eq:gased_solution} g \; \text{Based} \; \; \text{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 puchase of filing cabinet to house copy of rule, records and report copies.

	Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
	\$0	0	c,d,l
	\$0	0	С
\$:	1,656,000	30	е
	\$0	0	С
	\$0	0	С
	\$0	26	е
	\$0	26	e
_	\$0	0	С
	\$84,000	0	c,f
	\$175,200	0	e, g
	\$0	0	
	\$0	0	
	\$0	0	
	\$0	0	
L	\$0	0	

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	С
\$0	Θ	c,h
\$0	0	c,h
\$0	0	С
\$0	0	С
\$225	30	2
\$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	

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

Commercial and							,	Siliali Kelliote	THEHICI ALUI	3	
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
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	с
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	с
b) Obtain operator qualification	72	1	72	0	0	0	0	\$0	\$0	0	С
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	С
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	с
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	с
9) Waste management plan	160	1	160	0	0	0	0	\$0	\$0	0	С

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

Commercial and	Industrial Solid V	Vaste Incine	ration Units	(40 CFR P	art 60, Subp	art DDDD)	(Renewal) -	Small Remote	Incinerator	S	
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
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 we	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
ReportingSubtotal						2,162		\$236,796			1
4. Recordkeeping Requirements											
A. Familiarization with Rule Requirements	Inculded in 3.A										
B. Plan Activities	Not applicable										
C. Implement Activities	Not applicable										
D. Develop Record System	Not applicable										
E. Record Information											
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 paramete	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
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 whe 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			

Total Hours Labor Grand Total

Summary of Respondent Burden 2,975 \$325,727 \$2,157,173

TNOTES

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

Commercial una	v docc michie	radion Cine	(-0 CI II I	art oo, sabp	ur (DDDD)	(Itelie wai)	oman remote	Incinci acor	•		
Burden Item	(A)	(B)	(C)	(D)	(E)	(F)	(G)				
		Number of									
		occurrence per	Hours per								
	Technical hours per	respondent per	respondent per	Number of	Technical hours	Management	Clerical hours per	Total labor costs per	Total non-labor		
	occurrence	year	year	respondents	per year	hours per year	year	year	costs per year	Total	Footnotes
			(C=A x B)	(a)	(CXD)	(E x 0.05)	(E x 0.1)	(b)		Responses	

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 puchase 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

Tot Externing occurrence, y countries to	milor of a c and fi	iuuoti zut o	otza naoc	C IIICIIICI	uc=0 0		pa. c bbb	1041	<u> </u>	,,	.,
for Efor Existing Stationary Sources: Commercial and Industrial Solid Waste Incine		Emission		(B)	(C)	(D)	(E)	(F)	(G)	(H)	
(H) (H) TotaTotal	Respondent	Testing	Non-Labor Costs	Number of	Hours	Number of	Technical	Management	Clerical Hours	Emission	Total Labor Costs
LabcLabor Costs	Hours per Occurrence	Contractor Hours	Per	Occurrences Per	Per Respondent	Respondents Per Year (a)	Hours Per Year	Hours Per Year	Per Year	Testing Contractor	Per Year
Labelabor Costs	(Technical	Per	Occurrence	Respondent	Per Year	Ter rear (a)	i ei i'eai	Ter rear	Ter rear	Hours Per	(b)
Burden Item	hours)	Occurrence		Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E x 0.1)	Year	(2)
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											
 Initial stack test and report (PM, dioxins/furans, 	Included in E.	varies	\$55,200	1	0	6	0	0	0	690	\$0
opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required))											
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
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
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 Efor Existing Stationary Sources: Commercial and Industrial Solid Waste Incin		Emission		(B)	(C)	(D)	(E)	(F)	(G)	(H)	
(H) (H)	Respondent	Testing	Non-Labor	Number of	Hours	Number of	Technical	Management	Clerical	Emission	Total
Tota Total	Hours per	Contractor	Costs	Occurrences	Per	Respondents Per Year (a)	Hours	Hours	Hours	Testing	Labor Costs Per Year
LabcLabor Costs	Occurrence (Technical	Hours Per	Per Occurrence	Per Respondent	Respondent Per Year	Per fear (a)	Per Year	Per Year	Per Year	Contractor Hours Per	(b)
Burden Item	hours)	Occurrence	Occurrence	Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E x 0.1)	Year	(6)
7) Report of initial stack test	Included in 3.B.1				(0 11112)		(0.12)	(= 11 0100)	(= 11 01=)		
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
ReportingSubtotal							2,446	122	245	690	\$308,021
4. Recordkeeping Requirements											
A. Read Instructions	Inculded in 3.A										
B. Plan Activities	Not applicable										
C. Implement Activities	Not applicable										
D. Develop Record System	Not applicable										
E. Record Information											
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 whe 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

Summary of Respondent Burden

Annualized Capital and Startup

O & M Summary

2,815

\$308,210

\$506,253

\$443,400

\$62,800

\$814,463

\$443,400

\$62,800

To Existing Statistics Countries Cou													
for Efor Existing Stationary Sources: Commercial and Industrial Solid Waste Incine	(A)	Emission		(B)	(C)	(D)	(E)	(F)	(G)	(H)			
(H) (H)	Respondent	Testing	Non-Labor	Number of	Hours	Number of	Technical	Management	Clerical	Emission	Total		
TotaTotal	Hours per	Contractor	Costs	Occurrences	Per	Respondents	Hours	Hours	Hours	Testing	Labor Costs		
LabcLabor Costs	Occurrence	Hours	Per	Per	Respondent	Per Year (a)	Per Year	Per Year	Per Year	Contractor	Per Year		
	(Technical	Per	Occurrence	Respondent	Per Year					Hours Per	(b)		
Burden Item	hours)	Occurrence		Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E x 0.1)	Year			
F. Personnel Training	Included in 3.B												
G. Time for Audits	Not applicable												
Recordkeeping Subtotal							1.5	0.075	0.15	0	\$189		
TOTAL:							2,448	122	245	690	\$308,210		
								Total Hours	Labor	Non-Labor	Total		

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.

 $^{^{\}mbox{\scriptsize d}}$ Cost incurred by a facility regardless of the number of affected units at the plant.

 $^{^{\}mbox{\scriptsize e}}$ 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.

 $^{{\}tt j}$ 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.

¹ Assumed \$100 for puchase 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	С
\$0	0	е
\$0	4	С
\$0	4	С
\$0	0	e
\$0	0	е
\$0	6	С
\$111,800	6	f
\$62,800	6	e,g
+0		
\$0 \$0	6 6	
\$0	4	
Φ 0	4	
\$45	6	
\$0	6	
\$0	4	С
\$0	2	c,h
\$0	2	c,h

(Liquid/Gas)

		
Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	С
\$0	4	С
\$0	0	
\$0	1	i
\$0	2	i
\$8	1	j
\$0	0	m
	80	
\$0	0	
\$0	0	k
<u></u> \$0	0	k
\$0	1	j
\$0	0	
\$0	0	
\$0	0	
\$0	0	

(Liquid/Gas)

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	1	
\$506,253	81	

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 for Suisting Chalings Comment Comments and Industrial Col	-1 (4)	Francisco		(D)	(0)	(D)	(5)	(5)		(11)	
for for Existing Stationary Sources: Commercial and Industrial Sol (H) (H)	id (A) Respondent	Emission Testing	Non-Labor	(B) Number of	(C) Hours	(D) Number of	(E) Technical	(F) Management	(G) Clerical	(H) Emission	Total
TotaTotal	Hours per	Contractor	Costs	Occurrences	Per	Respondents	Hours	Hours	Hours	Testing	Labor Costs
LabcLabor Costs	Occurrence	Hours	Per	Per	Respondent	Per Year (a	Per Year	Per Year	Per Year	Contractor	Per Year
	(Technical	Per	Occurrence	Respondent	Per Year					Hours Per	(b)
Burden Item	hours)	Occurrence		Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E x 0.1)	Year	
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											
 Initial stack test and report (PM, dioxins/furans, 	Included in E.	varies	\$55,200	1	0	0	0	0	0	690	\$0
opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as require	d))										
2) Annual stack test and test report (PM, HCl, Opacity, and	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	Θ	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

	7.3			7=1	7-1		·			· • • • • • • • • • • • • • • • • • • •	
for for Existing Stationary Sources: Commercial and Industrial Soli		Emission	Non Labor	(B)	(C)	(D)	(E)	(F)	(G)	(H)	T-4-1
(H) (H) TotaTotal	Respondent	Testing Contractor	Non-Labor Costs	Number of Occurrences	Hours Per	Number of Respondents	Technical Hours	Management Hours	Clerical Hours	Emission Testing	Total Labor Costs
LabcLabor Costs	Hours per Occurrence	Hours	Per	Per	Respondent	Per Year (a	Per Year	Per Year	Per Year	Contractor	Per Year
Eableabor Costs	(Technical	Per	Occurrence	Respondent	Per Year	rei ieai (e	rei ieai	rei ieai	rei ieai	Hours Per	(b)
Burden Item	hours)	Occurrence	00001101100	Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E × 0.1)	Year	
6) Report prior to initial start-up											1
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.:										
8) Report established values for site-specific operating param	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 that	8	0	\$0	1	8	1	8	0	1	0	\$1,007
12) Corrective action summary for operators that are off-site		_	4-	_		_		_	_	_	
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
ReportingSubtotal							368	18	37	4,830	\$46,342
4. Recordkeeping Requirements											
A. Read Instructions	Inculded in 3.A										
B. Plan Activities	Not applicable										
C. Implement Activities	Not applicable										
D. Develop Record System	Not applicable										
E. Record Information											
Records of operating parameters	ncluded 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 opera											
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 whe 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

Summary of Respondent Burden

0 & M Summary

Annualized Capital and Startup

549

\$60,131

\$505,853

\$111,800

\$62,800

\$565,983

\$111,800

\$62,800

									-	
(A)	Emission		(B)	(C)	(D)	(E)	(F)	(G)	(H)	
Respondent	Testing	Non-Labor	Number of	Hours	Number of	Technical	Management	Clerical	Emission	Total
Hours per	Contractor	Costs	Occurrences	Per	Respondents	Hours	Hours	Hours	Testing	Labor Costs
Occurrence	Hours	Per	Per	Respondent	Per Year (a	Per Year	Per Year	Per Year	Contractor	Per Year
(Technical	Per	Occurrence	Respondent	Per Year					Hours Per	(b)
hours)	Occurrence		Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E x 0.1)	Year	
Included in 3.B										
Not applicable										
						109.5	5.475	10.95	0	\$13,789
						478	24	48	4,830	\$60,131
					•		Total Hours	Labor	Non-Labor	Total
	Respondent Hours per Occurrence (Technical hours) Included in 3.B	Respondent Testing Hours per Contractor Occurrence Hours (Technical Per Occurrence Included in 3.B	Respondent Testing Non-Labor Hours per Contractor Costs Occurrence Hours Per Occurrence hours) Occurrence Included in 3.8	Respondent Hours per Contractor Costs Occurrence Hours Per Occurrence (Technical hours) Occurrence	Respondent Hours per Occurrence (Technical hours) Cost Occurrence Per Occurrence Occurrence Per Occurrence Occurrence Per Occurrence	Respondent Hours per Occurrence (Technical hours) Included in 3.B Non-Labor Costs Occurrences Per Occurrence Hours Per Occurrence Per Per Per Per Per Per Per Per Per Pe	Respondent Hours per Occurrence (Technical hours) Respondent Hours Per Occurrence (Technical hours) Respondent Per Occurrence Occurrence Occurrence Respondent Per Year (C=A x B) Number of Respondent Per Year (C=A x B) Not applicable Respondent Per Year (C=A x B) 109.5	Respondent Hours per Occurrence (Technical hours) Included in 3.8 Not applicable Non-Labor Costs Per Occurrence Occurre	Respondent Hours per Occurrence (Technical hours) Nort applicable Nort applicable Testing Contractor Costs Per Occurrence Per Occurrence Per Occurrence Per Occurrence Per Per Per Per Per Per Per Per Per Pe	(A) Emission Respondent Testing Hours per Contractor Occurrence Hours Hours Occurrence Occurrence Hours Non-Labor Occurrence Occurrence Hours Per Occurrence Hours Non-Labor Occurrence Occurrence Hours Per Occurrence Hours Per Occurrence Occurrence Hours Per Year Occurrence Occurrence Occurrence Hours Per Year Occurrence Occurren

FOOTNOTES

 $^{^{}m a}$ Based 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.

^C One-time only costs.

 $^{^{}m d}$ Cost incurred by a facility regardless of the number of affected units at the plant.

 $^{^{\}mathrm{e}}$ 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.

 $g\, Based\,\, on\,\, the\,\, sum\,\, of\,\, the\,\, calculated\,\, annual\,\, cost\,\, for\,\, each\,\, monitoring\,\, system\,\, required\,\, for\,\, incinerators.$

hAssumed 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 puchase of filing cabinet to house copy of rule, records and report copies.

; (Liquid/Gas)

. (===1====	·	
Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c,d,l
\$0	0	С
\$331,200	6	е
\$0	0	С
\$0	0	С
\$0	4	е
\$0	4	e
\$0	0	С
\$111,800	0	c,f
\$62,800	0	e,g
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	
\$0	0	С

; (Liquid/Gas)

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c b
		c,h
\$0	0	c,h
		_
\$0	0	С
\$0	0	С
\$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	

; (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

	Commercial and Industrial Solid Waste Ir	icineration Units	(40 CFR Pa	rt 60, Subpa	art DDDD)	(Kenewai) -	Energy Rec	covery Units	(Liquid/Ga
Commer	Burden Item	(A)	(B)	(C)	(D)	(E)	(F)	(G)	
(G) Total	labor costs per year	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 cost: per year (b)
	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

	Commercial and Industrial Solid Waste Inc	meration omis	(40 CFR Fa	ււ սս, շասբա	ו (שששש זוו	(Ittilewai) -	Lifeigy Rec	overy cines	(Liquid/O
mer	Burden Item	(A)	(B)	(C)	(D)	(E)	(F)	(G)	
al la	abor costs per year	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 cos per year (b)
	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
_	ReportingSubtotal						406		\$44,428
4.	. Recordkeeping Requirements								
	A. Familiarization with Rule Requirements	Inculded 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
Γ	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 whe 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							
R	Recordkeeping Subtotal						125		\$13,714
т	TOTAL:						531		\$58,141

\$452,191

Summary of Respondent Burden

\$58,141

F00TN0TES

88292101 01/16/2021

 $^{^{}m a}$ 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

	incration omis	(40 CI IC I a	rt oo, bubpe	, (ששששווו	icciicwai) -	Lifer By Ree	overy chies	(Liquid/Oas
Commer Burden Item	(A)	(B)	(C)	(D)	(E)	(F)	(G)	
		Number of						
		occurrence per	Hours per					
	Technical hours per	respondent per	respondent per	Number of	Technical hours	Management	Clerical hours per	Total labor costs
(G)	occurrence	year	year	respondents	per year	hours per year	year	per year
Total labor costs per year			(C=A x B)	(a)	(CXD)	(E x 0.05)	(E x 0.1)	(b)

 $^{^{\}mbox{\scriptsize C}}$ One-time only costs.

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.

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

 $^{^{\}rm d}$ Cost incurred by a facility regardless of the number of affected units at the plant.

 $^{^{\}mbox{\scriptsize e}}$ Annual cost. Annual costs are not incurred until the second year of operation.

f Assumed that all facilities have completed initial monitoring requirements.

)		
Fotal non-labor costs per year	Total Responses	Footnotes
\$0	0	d,l
ФО.	0	_
\$0	0	C
\$331,200	0	е
\$0	0	С
\$0	0	С
\$0	0	е
\$0	0	е
\$0	0	С
\$0	0	c,f
\$62,800	0	e,g
	_	
\$0	0	
\$0 \$0	0	
90	0	
\$0	0	
\$0	0	
\$0	0	С
\$0	0	c,h
\$0	0	c,h
\$0	0	С
\$0	0	С

Total non-labor costs		
per year	Total	Footnotes
	Responses	
\$45	6	
\$0	0.6	i
\$0	1.2	i
\$5	0.6	j
\$0	Θ	
\$0	0	k
\$0	0	k
\$0	0	j
\$0	0	
\$0	0	
\$0	0	
\$0	Θ	
Ψ0		
\$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 for Existing Stationary Sources: Commercial and Industrial Solid	(A)	Emission	Non Labor	(B)	(C)	(D)	(E)	(F)	(G)	(H)	Total
(H) (H) TotaTotal	Respondent Hours per	Testing Contractor	Non-Labor Costs	Number of Occurrences	Hours Per	Number of Respondents	Technical Hours	Management Hours	Clerical Hours	Emission Testing	Total Labor Costs
LabcLabor Costs	Occurrence	Hours	Per	Per	Respondent	Per Year (a	Per Year	Per Year	Per Year	Contractor	Per Year
	(Technical	Per	Occurrence	Respondent	Per Year					Hours Per	(b)
Burden Item	hours)	Occurrence		Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E x 0.1)	Year	
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											
 Initial stack test and report (PM, dioxins/furans, 	Included in E.	varies	\$40,867	1	0	23	0	0	0	511	\$0
opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required))										
2) Annual stack test and test report (PM, HCl, Opacity, and I	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 for fiviation Stationers Several Communication and Industrial Solid			usti iut o								Darning
for for Existing Stationary Sources: Commercial and Industrial Soli (H) (H)	(A) Respondent	Emission Testing	Non-Labor	(B) Number of	(C) Hours	(D) Number of	(E) Technical	(F) Management	(G) Clerical	(H) Emission	Total
TotaTotal	Hours per	Contractor	Costs	Occurrences	Per	Respondents	Hours	Hours	Hours	Testing	Labor Costs
LabcLabor Costs	Occurrence	Hours	Per	Per	Respondent	Per Year (a	Per Year	Per Year	Per Year	Contractor	Per Year
	(Technical	Per	Occurrence	Respondent	Per Year					Hours Per	(b)
Burden Item	hours)	Occurrence		Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E × 0.1)	Year	
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	Θ	\$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	Θ	\$0	1	6	8	48	2	5	0	\$6,045
b) With site specific parameter petition	14	Θ	\$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 param	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	9	\$7.50	1	40	Θ.	0	Θ	0	0	\$0
11) Status report for operators that are off-site for more tha	-	0	\$0	1	8	2	16	1	2	0	\$2,015
12) Corrective action summary for operators that are off-site					_						, , , , ,
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
ReportingSubtotal							8,182	409	818	511	\$1,030,347
4. Recordkeeping Requirements											
A. Read Instructions	Inculded in 3.A										
B. Plan Activities	Not applicable										
C. Implement Activities	Not applicable										
D. Develop Record System	Not applicable										
E. Record Information											
Records of operating parameters	ncluded 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 oper											
parameters were not obtained	0.5	Θ	\$0	52	26	Θ	0	Θ	0	0	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
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 whe meet operator qualification criteria		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 for Existing Stationary Sources: Commercial and Industrial Solid (A) Emission (B) (C) (D) (E) (F) (G) (H)

Tot for Existing Stationary Sources. Commercial and industrial Socie	(^)	LIIII		(0)	(()	(0)	(-)	(')	(0)	(")	
(H) (H)	Respondent	Testing	Non-Labor	Number of	Hours	Number of	Technical	Management	Clerical	Emission	Total
TotaTotal	Hours per	Contractor	Costs	Occurrences	Per	Respondents	Hours	Hours	Hours	Testing	Labor Costs
LabcLabor Costs	Occurrence	Hours	Per	Per	Respondent	Per Year (a	Per Year	Per Year	Per Year	Contractor	Per Year
	(Technical	Per	Occurrence	Respondent	Per Year					Hours Per	(b)
Burden Item	hours)	Occurrence		Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E x 0.1)	Year	
TOTAL:							8,185	409	819	511	\$1,030,725
							•	Total Hours	Labor	Non-Labor	Total
					Summary of R	espondent Bur	den	9,413	\$1,030,725	\$5,135,829	\$6,166,553
Annualized Capital and Startup								\$2,275,341	\$2,275,341		
					0 & M Summar	у				\$2,860,300	\$2,860,300

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

 $^{^{}m a}$ 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.

 $^{^{\}mbox{\scriptsize C}}$ One-time only costs.

 $^{^{}m d}$ Cost incurred by a facility regardless of the number of affected units at the plant.

 $^{^{\}mbox{\scriptsize e}}$ 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.

hAssumed 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.

Kilns

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

Kilns

KILIIS		
Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	13	С
\$0	8	c,h
\$0	5	c,h
\$0	0	С
\$0	13	С
1	_	
\$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	
ΨΨ	٧	
40		
\$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

Tot Existing Stationary Sour		Lat and Indi	15 C. TUC 5					bpart bbi		Z, Wast	- Dailli
for for Existing Stationary Sources: Commercial and Industrial Solic	(A) Respondent	Emission Testing	Non-Labor	(B) Number of	(C) Hours	(D) Number of	(E) Technical	(F) Management	(G) Clerical	(H) Emission	Total
(H) (H) TotaTotal	Hours per	Contractor	Costs	Occurrences	Per	Respondents	Hours	Hours	Hours	Testing	Labor Costs
LaboLabor Costs	Occurrence	Hours	Per	Per	Respondent	Per Year (a	Per Year	Per Year	Per Year	Contractor	Per Year
	(Technical	Per	Occurrence	Respondent	Per Year		@\$34.60	@\$82.23	@\$22.32	Hours Per	(b)
Burden Item	hours)	Occurrence		Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E x 0.1)	Year @\$80	<u> </u>
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	Θ	0	Θ	\$0
B. Required Activities											
 Initial stack test and report (PM, dioxins/furans, 	Included in E.	varies	\$40,867	1	0	0	0	0	0	511	\$0
opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required))										
Annual stack test and test report (PM, HCl, Opacity, and F	u 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	Θ	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	Θ	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	Θ	0	0	0	\$0
b) Fugitive Ash Emissions	2	0	\$0	1	2	0	Θ	0	0	0	\$0
, ,	Included in 3.B.5										
4) Report of initial CMS demonstration											

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		Emission	doct fac 5	(B)	(C)	(D)	(E)	(F)	(G)	(H)	- Buillin
(H) (H)	Respondent	Testing	Non-Labor	Number of	Hours	Number of	Technical	Management	Clerical	Emission	Total
TotaTotal	Hours per	Contractor	Costs	Occurrences	Per	Respondents	Hours	Hours	Hours	Testing	Labor Cost
LabcLabor Costs	0ccurrence	Hours	Per	Per	Respondent	Per Year (a	Per Year	Per Year	Per Year	Contractor	Per Year
	(Technical	Per	Occurrence	Respondent	Per Year		@\$34.60	@\$82.23	@\$22.32	Hours Per	(b)
Burden Item	hours)	Occurrence		Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E x 0.1)	Year @\$80	
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	Θ	0	0	\$0
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating paramet	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	8	0	\$0	1	8	2	16	1	2	0	\$2,015
12) Corrective action summary for operators that are off-site for	r 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
eportingSubtotal							1,276	64	128	12,260	\$160,685
. Recordkeeping Requirements											
A. Read Instructions	Inculded 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 operat											
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 whe 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
			1								

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

Summary of Respondent Burden

0 & M Summary

Annualized Capital and Startup

1,875

\$205,263

\$5,134,521 \$5,339,784

\$1,334,100 \$1,334,100

\$2,860,300 \$2,860,300

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for for Existing Stationary Sources: Commercial and Industrial Solid	(A)	Emission		(B)	(C)	(D)	(E)	(F)	(G)	(H)	
(H) (H)	Respondent	Testing	Non-Labor	Number of	Hours	Number of	Technical	Management	Clerical	Emission	Total
TotaTotal	Hours per	Contractor	Costs	Occurrences	Per	Respondents	Hours	Hours	Hours	Testing	Labor Costs
LaboLabor Costs	Occurrence	Hours	Per	Per	Respondent	Per Year (a	Per Year	Per Year	Per Year	Contractor	Per Year
	(Technical	Per	Occurrence	Respondent	Per Year		@\$34.60	@\$82.23	@\$22.32	Hours Per	(b)
Burden Item	hours)	Occurrence		Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E × 0.1)	Year @\$80	
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
Recordkeeping Subtotal							354	17.7	35.4	0	\$44,579
TOTAL:							1,630	82	163	12,260	\$205,263
								Total Hours	Labor	Non-Labor	Total

FOOTNOTES

 $^{^{}m a}$ 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.

 $^{^{\}mbox{\scriptsize C}}$ One-time only costs.

 $^{^{\}mbox{\scriptsize d}}$ Cost incurred by a facility regardless of the number of affected units at the plant.

 $^{^{\}mbox{\scriptsize e}}$ 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.

 $^{{\}tt j}\,{\tt Assumed}$ 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.

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

_| Kilns

11= 1110		
Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c,d,l
\$0	0	С
\$939,933	23	е
\$0	0	С
\$0	0	С
\$0	13	e
\$0	13	e
\$0	0	С
\$1,334,100 \$2,860,300	0	c,f e,g
\$0 \$0	0 0	
\$0	0	
\$0 \$0	0	
\$0	0	С

| Kilns

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	Θ	c,h
\$0	0	c,h
\$0	0	С
\$0	0	С
\$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

Commercial and In				`			· · · · · · ·	w aste-buri	illig Killis		
	(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 SC	Included in E.	1	0	0	0	0	0	\$0	\$0	0	С
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	С
b) Obtain operator qualification (c)	72	1	72	0	0	0	0	\$0	\$0	0	С
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	С
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	С

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

Commercial and I	iaustriai Sona v	vaste incine	ration Units	(40 CFR P		(מעטעט art	(Renewai) -	w aste-bur	ning Kiins		
	(A)	(B)	(C)	(D)	(E)	(F)	(G)				
	Technical hours per occurrence	Number of occurrence per respondent per year	Hours per respondent per year	Number of respondents	Technical hours per year	Management hours per year	Clerical hours per	per year	Total non-labor costs per year	Total	Footnotes
6) Report prior to initial start-up (c, h)			(C=A x B)	(a)	(CXD)	(E x 0.05)	(E x 0.1)	(b)		Responses	
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										
Report established values for site-specific operating parameters (c)	Included in 3.B	1	0	0	0	0	0	\$0	\$0	0	С
9) Waste management plan (c)	160	1	160	0	0	0	0	\$0	\$0	0	С
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
ReportingSubtotal						1,499		\$164,135			
4. Recordkeeping Requirements											
A. Familiarization with Rule Requirements	Inculded 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 obtain	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	
I control of the cont							1.3	\$1,637.07	\$0	0	
9) Records of persons whe meet operator qualification criteria	1	1	1	13	13	0.65	1.3	\$1,037.07	\$0	U	
9) Records of persons whe meet operator qualification criteria 10) Records of monitoring device calibration	1 Included in 3.B	1	1	13	13	0.65	1.3	\$1,037.07	\$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

Commercial and in	luusu lai Sonu v	v aste michie	ration Cints	(40 CFK F	art ov, շսսբ	(שעשע ווווי	(Kellewal) -	w aste-bur	inig Kinis		
	(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 puchase 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

	(A)		(B)	(C)	(D)	(E)	(F)
Burden Item	Number o Occurrences 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 ap	plicable	-	
2. Read and Understand Rule Requirements	1	С	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 ap	plicable	•	
D. Gather Information				not ap	plicable		
E. Report Reviews							
 Review waste managemant plan and siting analysis 	78	С	8	624	31	62	\$33,647
 Review report submitted prior to initial startup 	56	С	2	112	6	11	\$6,039
 Review initial stack test report 	108	С	40	4320	216	432	\$232,943
4) Review annual compliance report	Θ	е	8	0	0	0	\$0
Review semi-annual excess emission and parameter exceedance report 5)	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 ro	und tr	\$881	per trip	•		\$19,035
TOTAL				6813	341	681	\$386,395

F00TN0TES

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.
- 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

		(A)		(B)	(C)	(D)	(E)	(F)
					Tech Hours	Management		
		Number of Occu	ırrences	EPA Hours Per			Clerical Hours Per	EPA Cost Per
	Burden Item	Per Yea	r	Occurrence	(C=AxB)	(D=Cx0.05)	Year (E=Cx0.1)	Year (a,b)
	ications				not ap	plicable		
2. Read	and Understand Rule Requirements	0	С	16	0	0	0	\$0
3. Requ	ired Activities							
Α.	Observe initial stack tests							
	(PM, dioxins/furans, opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2)	0	c,d	48	0	0	0	\$0
В.	Excess emissions Enforcement Activities	11	f	24	259	13	26	\$13,977
C.	Create Information					plicable		
D.	Gather Information				not ap	plicable		
E.	Report Reviews							
	1) Review waste managemant plan and siting analysis	0	С	8	0	0	0	\$0
	Review report submitted prior to initial startup	0	С	2	0	0	0	\$0
	3) Review initial stack test report	0	С	40	Θ	0	0	\$0
	4) Review annual compliance report	108	е	8	864	43	86	\$46,589
!	Review semi-annual excess emission and parameter exceedance report 5)	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. Trav	el expenses: (1 person * 30 hours per year / 8 hours per day * \$75 per diem)	+ (\$600 per ro	und tri	0	per trip			\$0
TOTA					1568	78	157	\$84,550

F00TN0TES

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.
- 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	С	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 managemant plan and siting analysis	0	с	8	0	0	0	\$0
2)	Review report submitted prior to initial startup	0	с	2	0	0	0	\$0
3)	Review initial stack test report	0	С	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.