Cost Factor (in 2008\$)	Reference/Note
Advanced Combustion Controls (Linkageless Boiler Management Sy	stem) cost is per boiler - TCI
\$ 19,1:	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 27 of the size of the unit.
Activated Carbon Injection	
Hospital/Medical/Infectious Waste Incinerators (HMIWI). [EPA-HQ- DAR-2006-0534]	Received spreadsheet of HMIWI model costs from Tom Holloway of RTI International.
Fabric Filter	,
Hospital/Medical/Infectious Waste Incinerators (HMIWI). [EPA-HQ-	Received spreadsheet of HMIWI model costs from
DAR-2006-0534]	Tom Holloway of RTI International.
Packed Scrubber	
Hospital/Medical/Infectious Waste Incinerators (HMIWI). [EPA-HQ- OAR-2006-0534]	Received spreadsheet of HMIWI model costs from Tom Holloway of RTI International.
Secondary Chamber/Afterburner Retrofit	
Hospital/Medical/Infectious Waste Incinerators (HMIWI). [EPA-HQ- OAR-2006-0534]	Received spreadsheet of HMIWI model costs from Tom Holloway of RTI International.
Selective Non-Catalytic Reduction	
•	
·	
Hospital/Medical/Infectious Waste Incinerators (HMIWI). [EPA-HQ- DAR-2006-0534]	Received spreadsheet of HMIWI model costs from Tom Holloway of RTI International.

	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	equation.

Year of Costs
Assumed to represent \$2008, since that was the
year the quote was obtained.
Originally \$2004
Originally \$2004
Originally \$2004
Originally \$2004
Originally \$2004

Originally \$2004

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

for Existing Stationary Sou	rces: Comme	ercial and	Industria	L SOLIA W	laste inc	ineration	Units -	Subpart	י - עעעע	ear 1, 1	ncinerat
for for Existing Stationary Sources: Commercial and Industrial Solid Was (H) (H) TotaTotal LaboLabor Costs	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
Burden Item	(Technical hours)	Per Occurrence	Occurrence	Respondent Per Year	Per Year (C=A x B)		(CXD)	(E x 0.05)	(E x 0.1)	Hours Per Year	(b)
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	Θ	\$100	1	1	3	3	0	Θ	0	\$123
B. Required Activities											
<ol> <li>Initial stack test and report (PM, dioxins/furans,</li> </ol>	Included in E.	varies	\$14,333	1	Θ	3	Θ	0	Θ	179	\$0
opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required))											
2) Annual stack test and test report (PM, HCl, Opacity, and Fugit	Included in E.	182	\$14,533	1	Θ	0	Θ	0	Θ	0	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	Θ	\$0	1	64	3	192	10	19	0	\$7,860
b) Obtain operator qualification	72	Θ	\$0	1	72	3	216	11	22	0	\$8,843
c) Annual refresher course	12		\$0	1	12	Θ	Θ	Θ	Θ	0	\$0
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	Θ	\$0	1	8	0	Θ	0	Θ	0	\$0
<ol> <li>Establish operating parameters (maximum and minimum)</li> </ol>	40	Included in B.1.	\$0	1	40	3	120	6	12	0	\$4,913
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$8,000	1	17	3	51	3	5	0	\$2,088
b) Annual costs	17	0	\$39,500	1	17	3	51	3	5	0	\$2,088
C. Create Information	Included in 3.B										
D. Gather Information	Included in 3.E										
E. Report Preparation											
1) Notification of initial performance test											
a) Pollutants, fugitive ash emissions	2	Θ	\$0	1	2	3	6	0	1	0	\$246
b) Fugitive Ash Emissions	1	Θ	\$0	1	1	3	3	0	Θ	0	\$123
2) Notification of initial CMS Demonstration	2	Θ	\$0	1	2	3	6	0	1	0	\$246
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	Θ	\$7.50	1	8	3	24	1	2	0	\$983
b) Fugitive Ash Emissions	2	Θ	\$0	1	2	3	6	0	1	0	\$246
4) Report of initial CMS demonstration	Included in 3.B.	5									
5) Report prior to construction (includes siting analysis)	160	Θ	\$0	1	160	3	480	24	48	0	\$19,651
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	Θ	\$0	1	6	Θ	Θ	0	Θ	0	\$0
b) With site specific parameter petition	14	0	\$0	1	14	Θ	Θ	Θ	0	0	\$0

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

Labelabor Costs         Occurrence Burn Tien         Nours (Texport of initial stack test         Occurrence burn Tien         New Segment (CA × B)         Per Vear (CA × B)         Pe	Tor Existing Stationary Sol	irces: comme	rcial and	Industria	L SOLLA M	aste inc	Ineralion	UNITES -	Suppart	ו - עעעע	ear I, I	nerneratt
Initialization         Boirs per (Technical)         Boirs per (Technical)         Contractor Per (Technical)         Contractor Per Per (Technical)         Contractor Per Per (Technical)         Contractor Per Per Contractor         Per Per Var (CA × B)         Hours Per Var (EX × B)         Hours Pe	for for Existing Stationary Sources: Commercial and Industrial Solid Wa	(A)	Emission		(B)	(C)	(D)	(E)	(F)	(G)		
LabcLaber Costs         Occurrence Nume         Hours Normal         Per Var Docurrence         Per Var Per Var Net Var         Per Var (CAX 8)         Pe		Respondent	Testing	Non-Labor	Number of	Hours		Technical	Management			
Burden Tem         (Technical Decirrence         Per decirrence Per ver de Decirrence         Convert de Per ver de Decirrence         Convert de Decirrence         Convert de Decirrence         Convert de Decirrence         Convert de Decirrence         Convert de Decirrence         Convert de Decirrence         Decirrence         Decirrence <thdecirrence< th=""> <thdecirrence< th="">        &lt;</thdecirrence<></thdecirrence<>		Hours per	Contractor		Occurrences						Testing	Labor Costs
Burden time         hours )         Occurrence         Per Ver         (Ca. 8)         (Cb. 9)         (E 8 + 0.6)         (F 8 + 0.6	LaboLabor Costs	Occurrence		Per	-		Per Year (a	Per Year	Per Year	Per Year		Per Year
7)       Report of initial stack test       Included in 3.8.       0       80       1       Include       0				Occurrence								(b)
Best of the stabilished values for site-specific operating parameters         Included in 3.8         0         \$20         1         PMALUE         0        <	Burden Item	hours)	Occurrence		Per Year	(C=A x B)		(CXD)	(E x 0.05)	(E × 0.1)	Year	
0         Waste management plan         100         0         80         1         100         3         480         24         48         0         31,061           19) Annual Report:         -	7) Report of initial stack test	Included in 3.B.1										
10         Annual Report:         10         10         40         0         0         0         0         0         0         0         0         0         50         1         40         0         0         0         0         0         50         1           13)         Status report for operators that are off-site for more that are off are for more that are are are off-s	<ol><li>Report established values for site-specific operating parameter</li></ol>	Included in 3.B	Θ	\$0	1	#VALUE!	Θ	Θ	0	Θ	0	\$0
a) Results of performance tests conducted during the year         40         0         57.50         1         40         0 <td>9) Waste management plan</td> <td>160</td> <td>Θ</td> <td>\$0</td> <td>1</td> <td>160</td> <td>3</td> <td>480</td> <td>24</td> <td>48</td> <td>0</td> <td>\$19,651</td>	9) Waste management plan	160	Θ	\$0	1	160	3	480	24	48	0	\$19,651
11)         Status report for operators that are off-site for more than 2 & 8         0         S0         1         8         0.3         2         0         0         0         988           12)         Corrective action summary for operators that are off-site for ore than 2 weeks         8         0         S0         2         16         0.3         5         0         0         0         5197           13)         Sestiannul report of emissions/parameter exceedances         24         0         3         7         0         1         0         5295           ReportingSubtotal	10) Annual Report:											
12)         Corrective action sumary for operators that are off-site for evere than 2 weeks         8         0         So         2         16         0.3         5         0         0         0         8         0         So         2         16         0.3         5         0         0         0         0         55         0         1         24         0.3         7         0         1         0         \$225           ReportingSubtotal         -         -         -         -         1,652         83         165         179         \$87,648           4.         RecordReping Requirements         -	a) Results of performance tests conducted during the year	40	Θ	\$7.50	1	40	Θ	Θ	0	0	0	\$0
than 2 weeks         0         8         0         \$0         10         13         0         0         0         0         5750           13) Semiannul report of emissions/parameter exceedances         24         0         \$7,50         1         24         0.3         7         0.         1         00         \$295           Reportingbubordal         1         0         \$7,60         1         24         0.3         7         0.         1         00         \$295           A. Reod Instructions         Inculded in 3.A         1         0.0         1.0			0	\$0	1	8	0.3	2	0	0	0	\$98
13)         Semiannual report of emissions/parameter exceedances         24         0         \$7.50         1         24         0.3         7         0         1         0         \$295           Reportingsubtoral         Insultations         1,652         83         165         17         867,648           A. Recordseping Requirements         Inculded in 3.A         Inculded in 3.B         In						10		-				
heportingSubtotalImage: Second se								-	÷	-	-	
A. Recordseeping Requirements       Inculded in 3.A       Inculded in 3.A </td <td></td> <td>24</td> <td>Θ</td> <td>\$7.50</td> <td>1</td> <td>24</td> <td>0.3</td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td>		24	Θ	\$7.50	1	24	0.3		-		-	
A. Read InstructionsInculded in 3.AInculded in 3.BInculded in 3.BInculded								1,652	83	165	179	\$67,648
B. Plan ActivitiesNot applicableImage: constraint of the systemNot applicableImage: constraint of the systemImage: constraint of the systemNot applicableImage: constraint of the systemImage: constraint of the systemImage: constraint of the systemNot applicableImage: constraint of the systemImage: constraint of the systemIm	4. Recordkeeping Requirements											
C. Implement ActivitiesNot applicableImage: Constraint of the second systemNot applicableImage: Constraint of the second systemNot applicableImage: Constraint of the second systemImage: Constraint of the second systemIm	A. Read Instructions	Inculded in 3.A										
D. bevelop Record SystemNot applicableImage: Constraint of the const	B. Plan Activities	Not applicable										
E. Record Information         Image: Constraint of the state of	C. Implement Activities	Not applicable										
1) Records of operating parameters         ncluded in 3.8.5.         0         \$0         52         0         0         0         0         0         0         \$0<	D. Develop Record System	Not applicable										
111	E. Record Information											
parameters were not obtained         0.5         0         \$0         52         26         0         0         0         0         \$	1) Records of operating parameters	ncluded in 3.B.5.	Θ	\$0	52	0	0	Θ	0	0	0	\$0
3) Records of malfunction of the unit         1.5         0         1.5         0	2) Records of periods for which minimum amount of data on operatin	g										
ARecords of exceedances of the operating parameters1.50\$01.50.30000\$10\$105Records of stack testsIncluded in 3.EIncluded in 3.	parameters were not obtained	0.5	Θ	\$0	52	26	Θ	Θ	0	0	0	\$0
SolutionIncluded in 3.EIncluded in 3.E<	<ol><li>Records of malfunction of the unit</li></ol>	1.5	Θ	\$0	1	1.5	Θ	Θ	0	0	0	\$0
A constructionIncluded in 3.EIncluded in 3.E	4) Records of exceedances of the operating parameters	1.5	Θ	\$0	1	1.5	0.3	Θ	0	0	0	\$18
7) Records of persons who have reviewed operating procedures       1       0       \$0       1       0       0       0       0       0       0       0       0       0       0       \$0	5) Records of stack tests	Included in 3.E										
All of the seconds of persons who have completed operator training       1       0       \$0       1       1       0       0       0       0       0       0       0       0       0       0       0       0       0       \$0 <td>6) Records of siting analysis</td> <td>Included in 3.E</td> <td></td>	6) Records of siting analysis	Included in 3.E										
9) Records of persons whe meet operator qualification criteria       1       0       \$0       1       1       0       0       0       0       0       \$0	7) Records of persons who have reviewed operating procedures	1	Θ	\$0	1	1	0	0	0	0	0	\$0
10) Records of monitoring device calibration     Included in 3.B	8) Records of persons who have completed operator training	1	Θ	\$0	1	1	0	Θ	0	0	0	\$0
	9) Records of persons whe meet operator qualification criteria	1	Θ	\$0	1	1	0	Θ	0	0	0	\$0
11) Records of site-specific documentation $24$ $0$ $30$ $1$ $24$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$	10) Records of monitoring device calibration	Included in 3.B										
	11) Records of site-specific documentation	24	Θ	\$0	1	24	0	0	0	0	0	\$0

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

		ICTUC and I	Industria	C 30 CIU /	aste Inc	тистистоп	ULLT -	Subpure	0000 - 1	<i>cui 1, 1</i>	no inci acc
for for Existing Stationary Sources: Commercial and Industrial Solid Wa	s (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							0.45	0.0225	0.045	0	\$18
TOTAL:							1,653	83	165	179	\$67,666
								Total Hours	Labor	Non-Labor	Total
					Summary of R	espondent Burd	en	1,901	\$67,666	\$90,824	\$158,490
Annualized Capital and Startup										\$51,299	\$51,299
					0 & M Summar	y				\$39,500	\$39,500

FOOTNOTES

 $^{a}$  Based on the total number of existing units expected to continue operating once the guidelines become effective.

<sup>b</sup> Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.

<sup>C</sup>One-time only costs.

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

 $^{\rm e}\,{\rm Annual}$  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.

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

 ${\sf h}\,{\sf Assumed}$  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.

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$300	3	c,d,l
\$42,999	3	с
\$0	Θ	e
\$0	3	с
\$0 ¢0	3	с
\$0	Θ	е
\$0	Θ	е
\$0	3	с
\$8,000	3	c,f
\$39,500	3	e,g
\$0	3	
\$0	3	
\$0	3	
\$23	3	
\$0	3	
<b>*</b> 0		
\$0	3	с
\$0	Θ	c,h
\$0 \$0	0	c,h

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

#### rs

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

Table 1.B - Annual Resp	pondent Burden and Cost of Recordkeeping and Reporting Requirements for the	e Emissions Guidelines
for Existing Stationary Sour	rces: Commercial and Industrial Solid Waste Incineration Units - Subpart D	DDD - Year 2, Incinerat

for Existing Stationary So	urces: Comm	ercial and	Industria	l Solid N	Waste Inc	ineratio	n Units ·	- Subpart	DDDD -	Year 2,	Incinera
for for Existing Stationary Sources: Commercial and Industrial Solid W (H) (H) TotaTotal LabcLabor Costs	e (A) Respondent Hours per Occurrence (Technical	Emission Testing Contractor Hours Per	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent	(C) Hours Per Respondent Per Year	(D) Number of Respondents Per Year (a	(E) Technical Hours Per Year	(F) Management Hours Per Year	(G) Clerical Hours Per Year	(H) Emission Testing Contractor Hours Per	Total Labor Cost Per Year (b)
Burden Item	hours)	Occurrence		Per Year	(C=A × B)		(CXD)	(E × 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	Θ	\$0	1	1	Θ	0	Θ	0	0	\$0
B. Required Activities											
<ol> <li>Initial stack test and report (PM, dioxins/furans, opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required))</li> </ol>	Included in E.	varies	\$0	1	0	Θ	Θ	0	Θ	0	\$0
<ol> <li>Annual stack test and test report (PM, HCl, Opacity, and Fugitive Ash)</li> </ol>	Included in E.	182	\$14,533	1	0	3	0	0	0	545	\$0
<ol><li>Operator training and qualification</li></ol>											
a) Establish and teach operator qualification course	64	Θ	\$0	1	64	Θ	Θ	0	0	Θ	\$0
b) Obtain operator qualification	72	Θ	\$0	1	72	Θ	Θ	0	Θ	0	\$0
c) Annual refresher course	12		\$0	1	12	3	36	2	4	0	\$1,474
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	Θ	\$0	1	8	3	24	1	2	Θ	\$983
<ol> <li>Establish operating parameters (maximum and minimum)</li> </ol>	40	Included in B.1.	\$0	1	40	0	0	Θ	Θ	0	\$0
<ol><li>Continuous parameter monitoring (including CEMS)</li></ol>											
a) Initial costs	17	Θ	\$8,000	1	17	Θ	Θ	Θ	Θ	Θ	\$0
b) Annual costs	17	Θ	\$47,500	1	17	3	51	3	5	0	\$2,088
C. Create Information	Included in 3.B										
D. Gather Information	Included in 3.E										
E. Report Preparation											
1) Notification of initial performance test											
a) Pollutants, fugitive ash emissions	2	Θ	\$0	1	2	Θ	Θ	Θ	Θ	0	\$0
b) Fugitive Ash Emissions	1	Θ	\$0	1	1	Θ	Θ	Θ	Θ	0	\$0
2) Notification of initial CMS Demonstration	2	Θ	\$0	1	2	0	Θ	0	0	0	\$0
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	Θ	\$7.50	1	8	Θ	Θ	Θ	0	Θ	\$0
b) Fugitive Ash Emissions	2	Θ	\$0	1	2	0	Θ	Θ	Θ	0	\$0
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	0	0	0	0	0	\$0

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

for Existing Stationary So		ercial and	Industria	l Solid W	laste Inc	ineration	n Units ·	- Subpart	DDDD -	Year 2, 1	Incinerat
for for Existing Stationary Sources: Commercial and Industrial Solid W		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 × 0.05)	(E × 0.1)	Year	(0)
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	Θ	\$0	1	6	Θ	0	Θ	0	0	\$0
b) With site specific parameter petition	14	Θ	\$0	1	14	0	Θ	Θ	0	Θ	\$0
7) Report of initial stack test	Included in 3.B.1										
<ol> <li>Report established values for site-specific operating paramete</li> </ol>		Θ	\$0	1	#VALUE !	0	Θ	0	0	Θ	\$0
9) Waste management plan	160	Θ	\$0	1	160	0	Θ	0	0	Θ	\$0
10) Annual Report:											
a) Results of performance tests conducted during the year	40	Θ	\$7.50	1	40	3	120	6	12	Θ	\$4,913
11) Status report for operators that are off-site for more than 2	8	Θ	\$0	1	8	0.3	2	Θ	0	Θ	\$98
<ol><li>Corrective action summary for operators that are off-site for</li></ol>											
than 2 weeks	8	0	\$0	2	16	0.3	5	0	0	0	\$197
13) Semiannual report of emissions/parameter exceedances	24	Θ	\$7.50	1	24	0.3	7	Θ	1	Θ	\$295
ReportingSubtotal							245	12	25	545	\$10,046
<ol> <li>Recordkeeping Requirements</li> </ol>											
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	Θ	\$0	52	Θ	Θ	Θ	0	Θ	Θ	\$0
2) Records of periods for which minimum amount of data on operati											
parameters were not obtained	0.5	Θ	\$0	52	26	0	Θ	0	0	Θ	\$0
<ol><li>Records of malfunction of the unit</li></ol>	1.5	Θ	\$0	1	1.5	0	Θ	0	0	Θ	\$0
<ol> <li>Records of exceedances of the operating parameters</li> </ol>	1.5	Θ	\$0	1	1.5	0.3	Θ	0	0	Θ	\$18
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
7) Records of persons who have reviewed operating procedures	1	Θ	\$0	1	1	3	3	0	0	Θ	\$123
8) Records of persons who have completed operator training	1	Θ	\$0	1	1	3	3	0	0	Θ	\$123
9) Records of persons whe meet operator qualification criteria	1	Θ	\$0	1	1	3	3	0	0	0	\$123
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	Θ	\$0	1	24	3	72	4	7	0	\$2,948

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

	urces. comme	ercial anu	THUUSCITA	1 20110 1	vaste Inc	Theractor	i unites -	Subharr	- עעעע	ieai Z, I	Incruer at
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	0ccurrence	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							81.45	4.0725	8.145	0	\$3,334
TOTAL:							327	16	33	545	\$13,381
								Total Hours	Labor	Non-Labor	Total
					Summary of R	espondent Burc	len	376	\$13,381	\$99,125	\$112,506
					Annualized Ca	apital and Sta	irtup			\$8,000	\$8,000
					0 & M Summary	ý				\$47,500	\$47,500

FOOTNOTES

 $^{a}$  Based on the total number of existing units expected to continue operating once the guidelines become effective.

<sup>b</sup> Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.

<sup>C</sup> One-time only costs.

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

 $^{\rm e}\,$  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.

 ${\sf h}\,{\sf Assumed}$  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.

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

ors

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

#### ors

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

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

(H) (H) TotaTotal LabcLabor Costs	(A) Respondent Hours per Occurrence (Technical	Emission Testing Contractor Hours Per	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent	(C) Hours Per Respondent Per Year	(D) Number of Respondents Per Year (a	(E) Technical Hours Per Year	(F) Management Hours Per Year	(G) Clerical Hours @\$22.32	(H) Emission Testing Contractor Hours Per	Total Labor Costs Per Year (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	Θ	0	Θ	Θ	0	\$0
B. Required Activities											
<ol> <li>Initial stack test and report (PM, dioxins/furans,</li> </ol>	Included in E.	varies	\$0	1	0	Θ	0	0	0	0	\$0
opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required	)										
2) Annual stack test and test report (PM, HCl, Opacity, and H	Included in E.	182	\$14,533	1	0	3	0	0	0	545	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	0	\$0	1	64	0	0	Θ	0	0	\$0
b) Obtain operator qualification	72	0	\$0	1	72	Θ	Θ	0	0	0	\$0
c) Annual refresher course	12		\$0	1	12	3	36	2	4	0	\$1,474
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	3	24	1	2	0	\$983
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	Θ	0	0	0	0	\$0
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$8,000	1	17	Θ	0	0	Θ	0	\$0
b) Annual costs	17	0	\$47,500	1	17	3	51	3	5	0	\$2,088
C. Create Information	Included in 3.B										
D. Gather Information	Included in 3.E										
E. Report Preparation											
1) Notification of initial performance test											
a) Pollutants, fugitive ash emissions	2	Θ	\$0	1	2	Θ	Θ	0	Θ	0	\$0
b) Fugitive Ash Emissions	1	Θ	\$0	1	1	o	Θ	Θ	Θ	Θ	\$0
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	0	Θ	0	0	0	\$0
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	Θ	\$7.50	1	8	0	Θ	Θ	o	0	\$0
b) Fugitive Ash Emissions	2	0	\$0	1	2	Θ	0	0	0	0	\$0

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

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

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

	(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		Contractor	Per Year
	(Technical	Per	Occurrence	Respondent	Per Year				@\$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	
TOTAL:							327	16	33	545	\$13,381
								Total Hours	Labor	Non-Labor	Total
					Summary of R	espondent Bur	den	376	\$13,381	\$99,125	\$112,506
Annualized Capital and Startup								\$8,000	\$8,000		
					0 & M Summar	у				\$47,500	\$47,500

FOOTNOTES

<sup>a</sup> Based on the total number of existing units expected to continue operating once the guidelines become effective.

<sup>b</sup> Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.

<sup>C</sup> One-time only costs.

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

 $^{\rm e}\,{\rm Annual}$  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.

 ${\sf g}\,{\sf Based}$  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.

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.

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

rs
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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
\$23	3	
\$0	0	i
\$0	1	i
\$2	0	j
	16	
-		
\$0	0	
\$0	0	k
\$0	Θ	k
\$0	Θ	j
\$0	3	
\$0	3	
\$0	3	
\$0	3	
\$0	12.3	

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

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

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

Table 2.A - Annua	l Respondent Burden and Co	ost of Recordkeeping and Reporting	Requirements for the Emissions Guidelines
for Existing Stationary Sources	s: Commercial and Industri	al Solid Waste Incineration Units	- Subpart DDDD - Year 1. Energy Recovery Uni

for Existing Stationary Sources: Cor	mercial and	I INUUSCI IA	L SOLIU W	aste Inci	Iner at 1011	UIIII -	Suppart		<u>cai 1, ci</u>	IEI YY KEU	overy u
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 Cost
LabcLabor Costs	Occurrence	Hours	Per	Per	Respondent	Per Year (a	Per Year	Per Year	Per Year	Contractor	Per Year
Burden Item	(Technical	Per Occurrence	Occurrence	Respondent	Per Year		(CXD)		(E x 0.1)	Hours Per Year	(b)
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	Not applicable										
A. Read and Understand Rule Requirements	1	Θ	\$100	1	1	20	20	1	2	0	\$819
	1	0	2100	1	1	20	20	1	2	0	2819
B. Required Activities			***								
1) Initial stack test and report (PM, dioxins/furans,	Included in E.	varies	\$23,280	1	Θ	31	Θ	Θ	Θ	291	\$0
opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required))											
<ol> <li>Annual stack test and test report (PM, HCl, Opacity, and Fugi</li> </ol>	Included in E.	182	\$14,533	1	Θ	0	0	0	Θ	0	\$0
<ol><li>Operator training and qualification</li></ol>											
a) Establish and teach operator qualification course	64	Θ	\$0	1	64	20	1,280	64	128	0	\$52,402
b) Obtain operator qualification	72	0	\$0	1	72	20	1,440	72	144	0	\$58,952
c) Annual refresher course	12		\$0	1	12	Θ	0	Θ	Θ	Θ	\$0
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	Θ	\$0	1	8	Θ	Θ	Θ	Θ	0	\$0
<ol> <li>Establish operating parameters (maximum and minimum)</li> </ol>	40	Included in B.1.	\$0	1	40	31	1,240	62	124	0	\$50,765
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$16,708	1	17	31	527	26	53	0	\$21,575
b) Annual costs	17	o	\$31,778	1	17	31	527	26	53	0	\$21,575
C. Create Information	Included in 3.B										
D. Gather Information	Included in 3.E										
E. Report Preparation											
1) Notification of initial performance test											
a) Pollutants, fugitive ash emissions	2	Θ	\$0	1	2	31	62	3	6	0	\$2,538
b) Fugitive Ash Emissions	1	Θ	\$0	1	1	31	31	2	3	0	\$1,269
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	20	40	2	4	0	\$1,638
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	Θ	\$7.50	1	8	31	248	12	25	Θ	\$10,153
b) Fugitive Ash Emissions	2	0	\$0	1	2	31	62	3	6	0	\$2,538
4) Report of initial CMS demonstration	Included in 3.B.5	-		-				-	-	-	,-30
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	20	3,200	160	320	0	\$131,005

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

for Existing Stationary Sources: Co		Industria	L SOLIA W	aste inci	neration	Units -	Suppart	<b>DDDD - Y</b>	ear 1, Er	iergy Rec	overy un
for for Existing Stationary Sources: Commercial and Industrial Solid Wa (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
Burden Item	(Technical hours)	Per Occurrence	Occurrence	Respondent Per Year	Per Year (C=A x B)		(CXD)	(E x 0.05)	(E × 0.1)	Hours Per Year	(b)
<ol><li>Report prior to initial start-up</li></ol>											
a) Without site specific parameter petition	6	Θ	\$0	1	6	13	78	4	8	0	\$3,193
b) With site specific parameter petition	14	Θ	\$0	1	14	7	98	5	10	0	\$4,012
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating parameter	Included in 3.B	0	\$0	1	0	0	0	0	0	0	\$0
9) Waste management plan	160	0	\$0	1	160	20	3,200	160	320	0	\$131,005
10) Annual Report:											
a) Results of performance tests conducted during the year	40	Θ	\$7.50	1	40	0	Θ	Θ	Θ	0	\$0
11) Status report for operators that are off-site for more than 2		0	\$0	1	8	2	16	1	2	0	\$655
<ol> <li>Corrective action summary for operators that are off-site for than 2 weeks</li> </ol>	8	0	\$0	2	16	2	32	2	3	0	\$1,310
<ol> <li>Semiannual report of emissions/parameter exceedances</li> </ol>	24	0	\$7.50	1	24	2	48	2	5	0	\$1,965
ReportingSubtotal							12,149	607	1,215	291	\$497,370
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.	Θ	\$0	52	0	0	Θ	Θ	0	0	\$0
2) Records of periods for which minimum amount of data on operating	19										
parameters were not obtained	0.5	0	\$0	52	26	0	0	Θ	Θ	Θ	\$0
3) Records of malfunction of the unit	1.5	Θ	\$0	1	1.5	0	0	0	0	0	\$0
4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	2	3	0	0	0	\$123
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
7) Records of persons who have reviewed operating procedures	1	0	\$0	1	1	0	0	0	0	0	\$0
8) Records of persons who have completed operator training	1	0	\$0	1	1	0	0	0	0	0	\$0
9) Records of persons 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	Θ	0	0	\$0

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

Tot Existing Stationary Sources	and of office and	I Induoti Id		1000 1110	Linoi acron	0112 00	ouspui c	0000 1	ou: 1, 1		
for for Existing Stationary Sources: Commercial and Industrial Solid Wa	u (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 × 0.1)	Year	
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
Recordkeeping Subtotal							3	0.15	0.3	Θ	\$123
TOTAL:							12,152	608	1,215	291	\$497,493
								Total Hours	Labor	Non-Labor	Total
					Summary of R	espondent Bur	den	13,975	\$497,493	\$2,226,966	\$2,724,459
Annualized Capital and Startup									\$1,241,611	\$1,241,611	
					0 & M Summar	у				\$985,108	\$985,108

FOOTNOTES

 $^{
m a}$  Based on the total number of existing units expected to continue operating once the guidelines become effective.

<sup>b</sup> Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.

<sup>C</sup>One-time only costs.

<sup>d</sup> Cost incurred by a facility regardless of the number of affected units at the plant.

<sup>e</sup>Annual cost. Annual costs are not incurred until the second year of operation.

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.

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

its (	(Sol	ids)

ts (Solı.	ds)	
Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$2,000	20	c,d,l
\$721,667	31	С
\$0	0	е
\$0	20	c
\$0	20	Ċ
\$0	0	е
\$0	0	е
\$0	31	С
\$517,944 \$985,108	31 31	c,f e,g
\$0	31	
\$0	31	
\$0	20	
\$233	31	
\$0	31	
\$0	20	с
90	20	L

#### its (Solids)

.15 (5011	us)	
Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	13	c,h
\$0	7	c,h
\$0	0	
		С
\$0	20	С
\$0	0	
\$0	2	i
\$0	4	i
\$15	2	j
	396	
\$0	0	
\$0	Θ	k
\$0	0	k
\$0	2	j
\$0	0	
\$0	Θ	
\$0	0	
¢0		
\$0	Θ	

#### its (Solids)

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

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

for Existing Stationary Sources: Co		u industria	L SOLLA V		Ineralion	i units -	Suppart	ז - עעעע	ear Z, E	nergy Rec	overy or
for for Existing Stationary Sources: Commercial and Industrial Soli		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 Cost
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 × 0.1)	Year	(6)
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	Θ	Θ	0	0	\$0
B. Required Activities											
<ol> <li>Initial stack test and report (PM, dioxins/furans,</li> </ol>	Included in E.	varies	\$23,280	1	Θ	0	Θ	Θ	0	291	\$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.	182	\$14,533	1	0	31	Θ	0	0	5,632	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	Θ	\$0	1	64	0	Θ	Θ	0	Θ	\$0
b) Obtain operator qualification	72	Θ	\$0	1	72	0	Θ	Θ	0	Θ	\$0
c) Annual refresher course	12		\$0	1	12	20	240	12	24	Θ	\$9,825
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	Θ	\$0	1	8	20	160	8	16	Θ	\$6,550
<ol> <li>Establish operating parameters (maximum and minimum)</li> </ol>	40	Included in B.1.	\$0	1	40	0	0	Θ	0	Θ	\$0
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	Θ	\$0	1	17	0	0	Θ	0	Θ	\$0
b) Annual costs	17	Θ	\$31,778	1	17	0	0	Θ	0	Θ	\$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	Θ	\$0	1	2	0	Θ	Θ	Θ	0	\$0
b) Fugitive Ash Emissions	1	Θ	\$0	1	1	0	0	Θ	0	0	\$0
2) Notification of initial CMS Demonstration	2	Θ	\$0	1	2	0	0	Θ	0	0	\$0
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	Θ	\$7.50	1	8	0	Θ	Θ	0	Θ	\$0
b) Fugitive Ash Emissions	2	0	\$0	1	2	0	Θ	Θ	Θ	0	\$0

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

for Existing Stationary Sources: Co		d Industria	l Solid V	waste Inc		Units -		DDDD - Y	ear 2, E	nergy Rec	overy U
for for Existing Stationary Sources: Commercial and Industrial Soli		Emission		(B)	(C)	(D)	(E)	(F)	(G)	(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 Cos Per Year
	(Technical	Per	Occurrence	Respondent	Per Year	101 1041 (0	i di Tour	i ci i cui	i or rour	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									
5) Report prior to construction (includes siting analysis)	160	Θ	\$0	1	160	Θ	Θ	Θ	0	Θ	\$0
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	Θ	\$0	1	6	Θ	Θ	Θ	Θ	Θ	\$0
b) With site specific parameter petition	14	Θ	\$0	1	14	0	Θ	Θ	Θ	Θ	\$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	Θ	0	0	0	\$0
10) Annual Report:											
a) Results of performance tests conducted during the year	40	Θ	\$7.50	1	40	31	1,240	62	124	Θ	\$50,765
11) Status report for operators that are off-site for more tha	r 8	0	\$0	1	8	2	16	1	2	0	\$655
12) Corrective action summary for operators that are off-site	for more										
than 2 weeks	8	0	\$0	2	16	2	32	2	3	0	\$1,310
<ol> <li>Semiannual report of emissions/parameter exceedances</li> </ol>	24	Θ	\$7.50	1	24	2	48	2	5	0	\$1,965
eportingSubtotal							1,736	87	174	5,923	\$71,070
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	Θ	0	Θ	Θ	0	Θ	\$0
2) Records of periods for which minimum amount of data on oper	a										
parameters were not obtained	0.5	0	\$0	52	26	Θ	Θ	Θ	0	Θ	\$0
<ol> <li>Records of malfunction of the unit</li> </ol>	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
<ol> <li>Records of exceedances of the operating parameters</li> </ol>	1.5	Θ	\$0	1	1.5	2	3	0	0	0	\$123
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
7) Records of persons who have reviewed operating procedures	1	Θ	\$0	1	1	20	20	1	2	0	\$819
8) Records of persons who have completed operator training	1	0	\$0	1	1	20	20	1	2	0	\$819
<ul> <li>9) Records of persons whe meet operator qualification criteria</li> </ul>		0	\$0	1	1	20	20	1	2	0	\$819
10) Records of monitoring device calibration	Included in 3.B		<b>4</b> 0	-	-			-	-	Ť	+010
11) Records of site-specific documentation	24	Θ	\$0	1	24	20	480	24	48	0	\$19,651
F. Personnel Training	Included in 3.B		Ψυ	-	24	20	400	24	40		φ19,001
G. Time for Audits ecordkeeping Subtotal	Not applicable										
	1			1	1	1 1	543	27.15	54.3	0	\$22,230

## 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

<b>v</b>											
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 Hours	Labor	Non-Labor	Total
					Summary of R	espondent Bur	den	2,621	\$93,300	\$1,715,189	\$1,808,489
					Annualized Capital and Startup						\$279,300
					0 & M Summary						\$985,108

FOOTNOTES

<sup>a</sup> Based on the total number of existing units expected to continue operating once the guidelines become effective.

<sup>b</sup> Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.

<sup>C</sup>One-time only costs.

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

 $^{\rm e}\,{\rm Annual\ cost.}\,$  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.

 ${\sf h}\,{\sf Assumed}$  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.

its (	(Sol	lid	<b>c</b> )
LUS	30	стu	3,

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

#### its (Solids)

	Total Responses Per Year     Footnotes       0     C       0     C, h       0     C, h       0     C, h       0     C       0     C       0     C       0     C       0     C       0     C       0     C       0     C       10     C       110     C					
Total Non-Labor Costs Per Year	Responses	Footnotes				
\$0	0	с				
\$0	Θ	c,h				
\$0	0	c,h				
\$0	0	с				
\$0	0	С				
\$233	31					
\$0	2	i				
\$0	4	i				
\$15						
	110					
\$0	0					
\$0	0	k				
\$0	0	k				
\$0	2	j				
\$0	20					
\$0	20					
\$0	20					
\$0	20					
\$0	82					
\$1,715,189	192					

#### its (Solids)

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

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

Tor Existing Stationary Sources: Co					Ineración		Suppart		ear s, Er	iergy Rec	overy un
for for Existing Stationary Sources: Commercial and Industrial Soli		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 Cost Per Year
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	(b)
Burden Item	hours)	Occurrence	occurrence	Per Year	(C=A x B)		(CXD)	(E × 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	0	\$0	1	1	0	Θ	Θ	Θ	0	\$0
B. Required Activities											
<ol> <li>Initial stack test and report (PM, dioxins/furans,</li> </ol>	Included in E.	varies	\$23,280	1	Θ	0	Θ	Θ	Θ	291	\$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.	182	\$14,533	1	0	31	0	Θ	Θ	5,632	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	0	\$0	1	64	0	Θ	Θ	Θ	0	\$0
b) Obtain operator qualification	72	0	\$0	1	72	0	Θ	Θ	Θ	0	\$0
c) Annual refresher course	12		\$0	1	12	20	240	12	24	0	\$9,825
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	0	\$0	1	8	20	160	8	16	0	\$6,550
<ol> <li>Establish operating parameters (maximum and minimum)</li> </ol>	40	Included in B.1.	\$0	1	40	0	Θ	0	0	0	\$0
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	Θ	\$0	1	17	Θ	Θ	Θ	0	0	\$0
b) Annual costs	17	Θ	\$31,778	1	17	Θ	Θ	Θ	Θ	Θ	\$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	Θ	\$0	1	2	0	Θ	Θ	Θ	Θ	\$0
b) Fugitive Ash Emissions	1	Θ	\$0	1	1	0	Θ	0	Θ	Θ	\$0
2) Notification of initial CMS Demonstration	2	Θ	\$0	1	2	0	Θ	0	0	Θ	\$0
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	Θ	\$7.50	1	8	0	Θ	Θ	Θ	0	\$0
b) Fugitive Ash Emissions	2	0	\$0	1	2	0	Θ	Θ	Θ	0	\$0

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

for Existing Stationary Sources: Co		a industria	ι 5011α ν	laste inc.	ineration	i Units -	Suppart	- 1000 - 1	ear 3, Ei	lergy Rec	overy u
for for Existing Stationary Sources: Commercial and Industrial Soli	• • •	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 Cost Per Year
	(Technical	Per	Occurrence	Respondent	Per Year	rei ieai (a	rei ieai	rei ieai	rei ieai	Hours Per	(b)
Burden Item	hours)	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	Θ	\$0	1	6	Θ	Θ	Θ	Θ	Θ	\$0
b) With site specific parameter petition	14	Θ	\$0	1	14	0	Θ	0	o	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	Θ	0	0	0	0	\$0
10) Annual Report:											
a) Results of performance tests conducted during the year	40	Θ	\$7.50	1	40	31	1,240	62	124	Θ	\$50,765
11) Status report for operators that are off-site for more tha		0	\$0	1	8	2	16	1	2	0	\$655
12) Corrective action summary for operators that are off-site	for more 8	0	\$0		10			2		0	<b>#1 010</b>
than 2 weeks 13) Semiannual report of emissions/parameter exceedances	24	0	\$0	2	16 24	2	32 48	2	3	0	\$1,310 \$1,965
ReportingSubtotal	24	0	\$7.50	-	24	2	1,736	87	174	5,923	\$71,070
4. Recordkeeping Requirements							1,100	01	114	3,323	\$11,010
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	Θ	0	0	Θ	0	\$0
2) Records of periods for which minimum amount of data on oper	4										
parameters were not obtained	0.5	Θ	\$0	52	26	0	0	0	0	Θ	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	Θ	0	0	0	0	\$0
4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	2	3	0	0	0	\$123
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
<ol> <li>Records of persons who have reviewed operating procedures</li> </ol>	1	0	\$0	1	1	20	20	1	2	0	\$819
8) Records of persons who have completed operator training	1	0	\$0	1	1	20	20	1	2	0	\$819
<ol> <li>Records of persons whe meet operator qualification criteria</li> </ol>		0	\$0	1	1	20	20	1	2	0	\$819
10) Records of monitoring device calibration	Included in 3.B	-								-	
11) Records of site-specific documentation	24	0	\$0	1	24	20	480	24	48	0	\$19,651
F. Personnel Training	Included in 3.B	-	• •						-		,
G. Time for Audits	Not applicable										
Recordkeeping Subtotal	NOT APPTICADLE						542	27 15	54.2	0	\$22.220
							543	27.15	54.3	U U	\$22,230

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

<b>.</b>									,		
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 Hours	Labor	Non-Labor	Total
					Summary of R	espondent Bur	den	2,621	\$93,300	\$1,715,189	\$1,808,489
Annualized Capital and Startup										\$279,300	\$279,300
					0 & M Summar	у				\$985,108	\$985,108

FOOTNOTES

<sup>a</sup> Based on the total number of existing units expected to continue operating once the guidelines become effective.

<sup>b</sup> Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.

<sup>C</sup>One-time only costs.

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

 $^{\rm e}\,{\rm Annual\ cost.}\,$  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.

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

 ${\sf h}\,{\sf Assumed}$  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.

jAssumed 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.

its (	(Sol	lid	le )
LUS	30	CT U	13 J

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

#### its (Solids)

	usj	
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
\$233	31	
\$0	2	i
\$0	4	i
\$15	2	j
	110	
\$0	0	
\$0	0	k
\$0	0	k
\$0	2	j
\$0	20	
\$0	20	
\$0	20	
\$0	20	
\$0	82	
\$1,715,189	192	

#### its (Solids)

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

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

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

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

for Existing Stationary Sources:	Commercial	and industr	ial Solid	waste Ir	icinerati	on Units	- Subpar	t DDDD -	Year 1,	Small Re	emote inc
for for Existing Stationary Sources: Commercial and Industrial Solid (H) (H) TotaTotal	(A) Respondent Hours per	Emission Testing Contractor	Non-Labor Costs	(B) Number of Occurrences	(C) Hours Per	(D) Number of Respondents	(E) Technical Hours	(F) Management Hours	(G) Clerical Hours	(H) Emission Testing	Total Labor Costs
LaboLabor 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 × 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	\$100	1	1	16	16	1	2	0	\$655
B. Required Activities											
<ol> <li>Initial stack test and report (PM, dioxins/furans,</li> </ol>	Included in E.	varies	\$21,377	1	Θ	19	Θ	0	0	267	\$0
opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required))											
<ol> <li>Annual stack test and test report (PM, HCl, Opacity, and Fu</li> </ol>	Included in E.	182	\$14,533	1	0	Θ	Θ	0	0	0	\$0
<ol><li>Operator training and qualification</li></ol>											
a) Establish and teach operator qualification course	64	Θ	\$0	1	64	16	1,024	51	102	0	\$41,922
b) Obtain operator qualification	72	0	\$0	1	72	16	1,152	58	115	0	\$47,162
c) Annual refresher course	12		\$0	1	12	Θ	Θ	0	0	0	\$0
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	Θ	\$0	1	8	Θ	Θ	0	0	0	\$0
<ol> <li>Establish operating parameters (maximum and minimum)</li> </ol>	40	Included in B.1.	\$0	1	40	19	760	38	76	0	\$31,114
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	Θ	\$368	1	17	19	323	16	32	0	\$13,223
b) Annual costs	17	Θ	\$1,242	1	17	19	323	16	32	0	\$13,223
C. Create Information	Included in 3.B										
D. Gather Information	Included in 3.E										
E. Report Preparation											
1) Notification of initial performance test											
a) Pollutants, fugitive ash emissions	2	Θ	\$0	1	2	19	38	2	4	0	\$1,556
b) Fugitive Ash Emissions	1	Θ	\$0	1	1	19	19	1	2	0	\$778
2) Notification of initial CMS Demonstration	2	Θ	\$0	1	2	16	32	2	3	0	\$1,310
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	Θ	\$7.50	1	8	19	152	8	15	0	\$6,223
b) Fugitive Ash Emissions	2	Θ	\$0	1	2	19	38	2	4	0	\$1,556
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	16	2,560	128	256	0	\$104,804

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

for Existing Stationary Sources:	commercial	and industr	1at Solid	waste Ir	icinerati	on units	- Subpai	- עעעע -	Year 1,	Small Re	more inc.
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
Burden Item	(Technical hours)	Per Occurrence	Occurrence	Respondent Per Year	Per Year (C=A x B)		(CXD)	(E × 0.05)	(E × 0.1)	Hours Per Year	(b)
<ol><li>Report prior to initial start-up</li></ol>											
a) Without site specific parameter petition	6	0	\$0	1	6	10	60	3	6	0	\$2,456
b) With site specific parameter petition	14	Θ	\$0	1	14	6	84	4	8	Θ	\$3,439
7) Report of initial stack test	Included in 3.B.1										
<ol><li>Report established values for site-specific operating paramet</li></ol>	Included in 3.B	0	\$0	1	0	0	0	0	0	0	\$0
9) Waste management plan	160	0	\$0	1	160	16	2,560	128	256	0	\$104,804
10) Annual Report:											
a) Results of performance tests conducted during the year	40	Θ	\$7.50	1	40	0	Θ	0	0	0	\$0
11) Status report for operators that are off-site for more than :	8	0	\$0	1	8	2	16	1	2	0	\$655
12) Corrective action summary for operators that are off-site fo than 2 weeks	r more 8	0	\$0	2	16	2	32	2	3	0	\$1,310
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	2	48	2	5	0	\$1,965
ReportingSubtotal							9,237	462	924	267	\$378,155
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
<ol><li>Records of periods for which minimum amount of data on operat.</li></ol>											
parameters were not obtained	0.5	Θ	\$0	52	26	0	Θ	Θ	0	0	\$0
<ol> <li>Records of malfunction of the unit</li> </ol>	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
<ol> <li>Records of exceedances of the operating parameters</li> </ol>	1.5	0	\$0	1	1.5	2	3	0	0	0	\$123
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
7) Records of persons who have reviewed operating procedures	1	0	\$0	1	1	0	0	0	0	0	\$0
8) Records of persons who have completed operator training	1	0	\$0	1	1	0	0	Θ	0	0	\$0
9) Records of persons whe meet operator qualification criteria	1	0	\$0	1	1	0	0	Θ	0	0	\$0
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	0	0	0	0	0	\$0

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

for Existing officially obtailed	· · · · · · · · · · · · · · · · · · ·	and inducer	Inc obcin	naoco 1	1011101 ac1	on onreo	ouspui	00000	1041 1/	Office of the	
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	0ccurrences	Per	Respondents	Hours	Hours	Hours	Testing	Labor Costs
LaboLabor Costs	0ccurrence	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	Θ	\$123
TOTAL:							9,240	462	924	267	\$378,278
								Total Hours	Labor	Non-Labor	Total
					Summary of R	espondent Burd	den	10,626	\$378,278	\$438,524	\$816,802
					Annualized C	apital and Sta	artup			\$414,767	\$414,767
					0 & M Summar	у				\$23,600	\$23,600

FOOTNOTES

 $^{a}$  Based on the total number of existing units expected to continue operating once the guidelines become effective.

<sup>b</sup> Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.

<sup>C</sup> One-time only costs.

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

 $^{\rm e}\,{\rm Annual}$  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.

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.

inerators	5	
Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$1,600	16	c,d,l
\$406,167	19	С
\$0	0	е
\$0	16	с
\$0	16	с
\$0	Θ	e
\$0	Θ	e
\$0	19	С
\$7,000 \$23,600	19 19	c,f e,g
		, ,
\$0 \$0	19 19	
\$0	16	
\$143	19	
\$0	19	
<b>*</b> 0	10	
\$0	16	С

- 1	no	r	2	÷	n	rs

inerators	5	
Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	10	c,h
\$0	6	c,h
<b>*</b> 0		-
\$0	Θ	С
\$0	16	С
\$0	0	
\$0	2	i
\$0	4	i
\$15	2	j
	272	
\$0	Θ	
<b>4</b> 0		
\$0	Θ	k
\$0	0	k
\$0	2	j
\$0	0	
\$0	0	
\$0	0	
\$0	Θ	
<b>4</b> 0	U U	

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	2	
\$438,524	274	

# 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	Testing Contractor	Non-Labor Costs	Number of Occurrences	Hours Per	Number of Respondents	Technical Hours	Management Hours	Clerical Hours	Emission	Total Labor Cos
LabcLabor Costs	Hours per Occurrence	Hours	Per	Per	Respondent	Per Year (a	Per Year	Per Year	Per Year	Testing Contractor	Per Year
	(Technical	Per	Occurrence	Respondent	Per Year		i ci i cui	i or rour	. er rour	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	Θ	\$0	1	1	Θ	Θ	Θ	Θ	0	\$0
B. Required Activities											
1) Initial stack test and report (PM, dioxins/furans,	Included in E.	varies	\$21,377	1	0	Θ	Θ	Θ	0	267	\$0
opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required	)										
2) Annual stack test and test report (PM, HCl, Opacity, and F	Included in E.	182	\$14,533	1	0	19	Θ	0	0	3,452	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	Θ	\$0	1	64	Θ	Θ	Θ	0	0	\$0
b) Obtain operator qualification	72	Θ	\$0	1	72	Θ	Θ	Θ	Θ	0	\$0
c) Annual refresher course	12		\$0	1	12	16	192	10	19	Θ	\$7,860
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	Θ	\$0	1	8	16	128	6	13	0	\$5,240
4) Establish operating parameters (maximum and minimum)	40	Included in B.1.	\$0	1	40	0	Θ	0	0	0	\$0
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	Θ	\$7,000	1	17	Θ	Θ	Θ	Θ	0	\$0
b) Annual costs	17	Θ	\$23,600	1	17	Θ	Θ	Θ	Θ	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	Θ	\$0	1	2	0	Θ	0	Θ	0	\$0
b) Fugitive Ash Emissions	1	Θ	\$0	1	1	0	Θ	Θ	Θ	Θ	\$0
2) Notification of initial CMS Demonstration	2	Θ	\$0	1	2	0	Θ	0	0	0	\$0
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	Θ	\$7.50	1	8	0	0	0	Θ	o	\$0
b) Fugitive Ash Emissions	2	Θ	\$0	1	2	Θ	Θ	Θ	Θ	Θ	\$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 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
	(Technical	Per	Occurrence	Respondent	Per Year	Per fear (a	Per fear	Per fear	Per fear	Hours Per	(b)
Burden Item	hours)	Occurrence		Per Year	(C=A × B)		(CXD)	(E × 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	Θ	\$0	1	160	Θ	Θ	Θ	Θ	0	\$0
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	Θ	\$0	1	6	Θ	0	Θ	Θ	0	\$0
b) With site specific parameter petition	14	Θ	\$0	1	14	Θ	Θ	Θ	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	Θ	\$0	1	0	Θ	Θ	Θ	0	0	\$0
9) Waste management plan	160	0	\$0	1	160	Θ	0	0	0	0	\$0
10) Annual Report:											
a) Results of performance tests conducted during the year	40	Θ	\$7.50	1	40	19	760	38	76	0	\$31,114
11) Status report for operators that are off-site for more than	8	Θ	\$0	1	8	2	16	1	2	0	\$655
<ol><li>Corrective action summary for operators that are off-site t</li></ol>											
than 2 weeks 13) Semiannual report of emissions/parameter exceedances	8	0	\$0 \$7.50	2	16 24	2	32 48	2	3	0	\$1,310 \$1,965
portingSubtotal	24	0	\$7.50	1	24	2	1,176	59	118	3,719	\$48,144
. Recordkeeping Requirements							1,170	53	110	3,713	\$40,144
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											
	ncluded in 3.B.5.	0	\$0	52	0	0	0	0	0	0	\$0
<ol> <li>Records of periods for which minimum amount of data on operation</li> </ol>		<u> </u>	<b>\$</b>			0	•	-	, , , , , , , , , , , , , , , , , , ,		<b>\$</b>
parameters were not obtained	0.5	Ø	\$0	52	26	Θ	Θ	0	o	0	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
<ol> <li>Records of exceedances of the operating parameters</li> </ol>	1.5	0	\$0	1	1.5	2	3	0	0	0	\$123
5) Records of stack tests	Included in 3.E	-			-		-				
<ul><li>6) Records of siting analysis</li></ul>	Included in 3.E										
7) Records of persons who have reviewed operating procedures	1	Θ	\$0	1	1	16	16	1	2	0	\$655
8) Records of persons who have completed operator training	1	0	\$0	1	1	16	16	1	2	0	\$655
<ul><li>9) Records of persons whe meet operator qualification criteria</li></ul>	1	0	\$0	1	1	16	16	1	2	0	\$655
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	Θ	\$0	1	24	16	384	19	38	0	\$15,721

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

	(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							435	21.75	43.5	0	\$17,809
TOTAL:							1,611	81	161	3,719	\$65,953
								Total Hours	Labor	Non-Labor	Total
					Summary of R	espondent Bur	den	1,853	\$65,953	\$306,891	\$372,844
					Annualized C	apital and St	artup			\$7,000	\$7,000
					0 & M Summar	У				\$23,600	\$23,600

FOOTNOTES

 $^{
m a}$  Based on the total number of existing units expected to continue operating once the guidelines become effective.

<sup>b</sup> Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.

<sup>C</sup> One-time only costs.

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

 $^{\rm e}\,{\rm Annual\ cost.}\,$  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.

kStandards 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	Θ	С
\$276,133	19	е
\$0	Θ	С
\$0	Θ	С
\$0	16	е
\$0	16	е
\$0	0	с
\$7,000	Θ	c,f
\$23,600	0	e,g
\$0	Θ	
\$0 \$0	0	
\$0	0	
<u><u></u></u>	Ŭ	
\$0	0	
\$0	Θ	
	l l	

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
\$143	19	
\$0	2	i
\$0	4	i
\$15	2	j
	78	
\$0	0	
\$0	0	k
\$0	0	k
\$0	2	j
\$0	16	
\$0	16	
\$0	16	
\$0	16	

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

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

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

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

	and industr	1at 50110	waste Ir	icinerati	on units	- Suppar	- עעעע -	rear 3,	Small Re	note inci
( (A) Respondent Hours per Occurrence (Technical	Emission Testing Contractor Hours Per	Non-Labor Costs Per Occurrence	(B) Number of Occurrences Per Respondent	(C) Hours Per Respondent Per Year	(D) Number of Respondents Per Year (a	(E) Technical Hours Per Year	(F) Management Hours Per Year	(G) Clerical Hours Per Year	(H) Emission Testing Contractor Hours Per	Total Labor Costs Per Year (b)
6	Θ	\$0	1	6	Θ	Θ	Θ	0	0	\$0
14	0	\$0	1	14	Θ	Θ	0	0	0	\$0
Included in 3.B.1										
Included in 3.B	0	\$0	1	Θ	Θ	0	Θ	Θ	0	\$0
160	Θ	\$0	1	160	Θ	0	Θ	0	0	\$0
40	Θ	\$7.50	1	40	19	760	38	76	0	\$31,114
r 8	Θ	\$0	1	8	2	16	1	2	0	\$655
	Θ	\$0	2	16	2	32	2	3	0	\$1,310
24	0	\$7.50	1	24	2	48	2	5	0	\$1,965
						1,176	59	118	3,719	\$48,144
Inculded in 3.A										
Not applicable										
Not applicable										
Not applicable										
Included in 3.B.5.b	0	\$0	52	0	0	0	Θ	0	0	\$0
a										
0.5	0	\$0	52	26	0	0	Θ	0	0	\$0
1.5	0	\$0	1	1.5	Θ	0	0	0	0	\$0
1.5	0	\$0	1	1.5	2	3	Θ	0	0	\$123
Included in 3.E										
Included in 3.E										
1	0	\$0	1	1	16	16	1	2	0	\$655
1	0	\$0	1	1	16	16	1	2	0	\$655
1	Θ	\$0	1	1	16	16	1	2	0	\$655
Included in 3.B										
24	0	\$0	1	24	16	384	19	38	0	\$15,721
	(A) Respondent Hours per Occurrence (Technical 6 14 Included in 3.B.1 Included in 3.B 160 40 40 8 for more 8 24 Inculded in 3.A Not applicable Not applicable Not applicable Not applicable Included in 3.B.5.b 0.5 1.5 1.5 Included in 3.E Included in 3.E Included in 3.E Included in 3.E Included in 3.E	(A)       Emission         Respondent       Testing         Hours per       Contractor         Occurrence       Per         6       0         14       0         Included in 3.B.1       Included in 3.B         Included in 3.B       0         40       0         40       0         40       0         160       0         40       0         160       0         40       0         160       0         160       0         160       0         160       0         160       0         10       0         10       0         10       0         11       0         11       0         11       0         11       0         11       0         11       0         11       0         11       0	(A) Respondent Hours per Occurrence (TechnicalEmission Testing Contractor Hours PerNon-Labor Costs Per Occurrence60\$0140\$0140\$0101uded in 3.B.11101uded in 3.B0\$0400\$7.5080\$01600\$0400\$7.5080\$0101uded in 3.A090\$0101uded in 3.A0101uded in 3.A0101uded in 3.A0101uded in 3.A0101uded in 3.A0101uded in 3.B.5.t00\$01.501.501.501.601.1011011011111 <t< td=""><td>(A) Respondent Hours per Occurrence (TechnicalEmission Testing Contractor PerNon-Labor Costs Per Occurrence(B) Number of Occurrence60\$01140\$01110\$01111600\$01400\$7.50160\$011600\$011600\$011600\$011600\$011600\$011600\$011600\$011600\$011600\$011600\$011600\$011600\$011600\$01170\$01100\$01100\$01110\$01110\$01110\$01110\$01</td><td>(A) Respondent Hours per Occurrence (TechnicalEmission Testing Contractor Hours PerNon-Labor Costs Per Occurrence 0ccurrence(C) Hours Per Occurrence Respondent60\$016140\$016140\$0114Included in 3.B.1</td><td>(A) Respondent Hours per Occurrence (Technical         Emission Testing Contractor Hours         Non-Labor Costs Per         (B) Number of Occurrences Per         (C) Hours Respondent         (D) Number of Respondent           6         0         \$0         1         6         0           14         0         \$0         1         6         0           1a         0         \$0         1         6         0           1ncluded in 3.8.1         0         \$0         1         0         0           1ncluded in 3.8         0         \$0         1         0         0           40         0         \$7.50         1         40         19           40         0         \$7.50         1         40         19           2         0         \$7.50         1         24         2           1nculded in 3.A        </td><td>(A) Respondent Hours per Occurrence (Technical         Emission Testing Decurrence         Non-Labor Per Occurrence         (B) Number of Decurrence         (C) Hours Per Respondent         (D) Number of Respondent         (E) Respondent         (C) Per Year         (D) Respondent         (E) Per Year           6         0         \$0         1         6         0         0         0           14         0         \$0         1         14         0         0         0           10:luded in 3.8.1         0         \$0         1         0         0         0           10:luded in 3.8.1         0         \$0         1         0         0         0           40         0         \$7.50         1         40         9         0           6         0         \$90         1         8         2         16           2         2         16         2         32         2           24         0         \$7.50         1         24         2         48           1         0         \$90         2         16         2         32           1         0         \$90         52         0         0         0           0</td><td>(A)         Emission Testing Contractor Nours Per         Non-Labor Costs Per         (B) Number of Courrences Per         (C)         (D)         (E) Number of Respondents Per Vear         (F) Number of Respondents Per Vear         Number of Respondents Per Vear         Technical Hours Per Vear         Management Hours Per Vear           6         0         \$0         1         6         0         0         0           6         0         \$0         1         14         0         0         0         0           101uded in 3.8.1         0         \$0         1         16         0         0         0           1ncluded in 3.8.1         0         \$0         1         160         0         0         0           1ncluded in 3.8         0         \$0         1         160         0         0         0           40         0         \$7.50         1         40         19         760         38           10r more         0         \$0         2         16         2         32         2           24         0         \$7.50         1         24         2         48         2           1nculded in 3.A         0         0         0         0</td><td>(A)         Emission Respondent Neurs per Occurrence         (B) Per Per Occurrence         (C)         (D)         (E)         (F)         (G)         (G)           Hours per Occurrence         Non-Labor Wours         Non-Labor Courrence         Non-Labor Per         Non-Labor Courrence         Per         Non-Labor Courrence         Non-Labor Per         Non-Labor Courrence         Non-Labor Per Year         Non-Labor Respondent         Non-Labor Respo</td><td>Respondent Hours Decurrence (Technical Hours Per Per (Technical Hours Per&lt;</td></t<>	(A) Respondent Hours per Occurrence (TechnicalEmission Testing Contractor PerNon-Labor Costs Per Occurrence(B) Number of Occurrence60\$01140\$01110\$01111600\$01400\$7.50160\$011600\$011600\$011600\$011600\$011600\$011600\$011600\$011600\$011600\$011600\$011600\$011600\$011600\$01170\$01100\$01100\$01110\$01110\$01110\$01110\$01	(A) Respondent Hours per Occurrence (TechnicalEmission Testing Contractor Hours PerNon-Labor Costs Per Occurrence 0ccurrence(C) Hours Per Occurrence Respondent60\$016140\$016140\$0114Included in 3.B.1	(A) Respondent Hours per Occurrence (Technical         Emission Testing Contractor Hours         Non-Labor Costs Per         (B) Number of Occurrences Per         (C) Hours Respondent         (D) Number of Respondent           6         0         \$0         1         6         0           14         0         \$0         1         6         0           1a         0         \$0         1         6         0           1ncluded in 3.8.1         0         \$0         1         0         0           1ncluded in 3.8         0         \$0         1         0         0           40         0         \$7.50         1         40         19           40         0         \$7.50         1         40         19           2         0         \$7.50         1         24         2           1nculded in 3.A	(A) Respondent Hours per Occurrence (Technical         Emission Testing Decurrence         Non-Labor Per Occurrence         (B) Number of Decurrence         (C) Hours Per Respondent         (D) Number of Respondent         (E) Respondent         (C) Per Year         (D) Respondent         (E) Per Year           6         0         \$0         1         6         0         0         0           14         0         \$0         1         14         0         0         0           10:luded in 3.8.1         0         \$0         1         0         0         0           10:luded in 3.8.1         0         \$0         1         0         0         0           40         0         \$7.50         1         40         9         0           6         0         \$90         1         8         2         16           2         2         16         2         32         2           24         0         \$7.50         1         24         2         48           1         0         \$90         2         16         2         32           1         0         \$90         52         0         0         0           0	(A)         Emission Testing Contractor Nours Per         Non-Labor Costs Per         (B) Number of Courrences Per         (C)         (D)         (E) Number of Respondents Per Vear         (F) Number of Respondents Per Vear         Number of Respondents Per Vear         Technical Hours Per Vear         Management Hours Per Vear           6         0         \$0         1         6         0         0         0           6         0         \$0         1         14         0         0         0         0           101uded in 3.8.1         0         \$0         1         16         0         0         0           1ncluded in 3.8.1         0         \$0         1         160         0         0         0           1ncluded in 3.8         0         \$0         1         160         0         0         0           40         0         \$7.50         1         40         19         760         38           10r more         0         \$0         2         16         2         32         2           24         0         \$7.50         1         24         2         48         2           1nculded in 3.A         0         0         0         0	(A)         Emission Respondent Neurs per Occurrence         (B) Per Per Occurrence         (C)         (D)         (E)         (F)         (G)         (G)           Hours per Occurrence         Non-Labor Wours         Non-Labor Courrence         Non-Labor Per         Non-Labor Courrence         Per         Non-Labor Courrence         Non-Labor Per         Non-Labor Courrence         Non-Labor Per Year         Non-Labor Respondent         Non-Labor Respo	Respondent Hours Decurrence (Technical Hours Per Per (Technical Hours Per<

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

Tor Existing officially offices	for Existing Stationary Sources, Sommersiat and Industriat Social Maste Institution Units Stabur Bubb Fear S, C									Onla c c Ro	NOCC INC.
for for Existing Stationary Sources: Commercial and Industrial Soli	(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	0ccurrences	Per	Respondents	Hours	Hours	Hours	Testing	Labor Costs
LaboLabor Costs	0ccurrence	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)
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
Recordkeeping Subtotal							435	21.75	43.5	Θ	\$17,809
TOTAL:							1,611	81	161	3,719	\$65,953
								Total Hours	Labor	Non-Labor	Total
					Summary of R	espondent Bur	den	1,853	\$65,953	\$306,891	\$372,844
					Annualized C	apital and St	artup			\$7,000	\$7,000
					0 & M Summar	У				\$23,600	\$23,600

FOOTNOTES

 $^{a}$  Based on the total number of existing units expected to continue operating once the guidelines become effective.

<sup>b</sup> Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.

<sup>C</sup> One-time only costs.

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

 $^{\rm e}\,{\rm Annual}$  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.

iAssumed that 10 percent of the facilities would not have a qualified operator available for more than two weeks at least once a year. Assumed that this required only two corrective action summaries. jAssumed that 10 percent of the facilities would have an exceedance during the year.

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

ne	ra	тο	rs

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

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

#### .nerators

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

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

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

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

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

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

TOT EXISTING STATIONARY SOURCES. CO			otiu wast				•			-	y onites
for Efor Existing Stationary Sources: Commercial and Industrial Solid Waste Incine		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	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
Burden Item	(Technical hours)	Per Occurrence	Occurrence	Respondent Per Year	Per Year (C=A x B)		(CXD)	(E x 0.05)	(E x 0.1)	Hours Per Year	(b)
7) Report of initial stack test	Included in 3.B.1	occurrence		Terrear	(C=A x b)		(CAD)	(E x 0.05)	(L X 0.1)	rear	
8) Report established values for site-specific operating parameters	Included in 3.B	0	\$0	1	0	0	0	0	0	0	\$0
		-	1.1		-		-				
9) Waste management plan	160	0	\$0	1	160	4	640	32	64	0	\$26,201
10) Annual Report:											
a) Results of performance tests conducted during the year	40	0	\$7.50	1	40	0	0	0	0	0	\$0
11) Status report for operators that are off-site for more than 2 weeks	8	0	\$0	1	8	1	8	0	1	0	\$328
<ol> <li>Corrective action summary for operators that are off-site for more than 2 weeks</li> </ol>	8	0	\$0	2	16	1	16	1	2	0	\$655
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	1	24	1	2	0	\$983
ReportingSubtotal							2,446	122	245	501	\$100,137
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 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
<ol> <li>Records of exceedances of the operating parameters</li> </ol>	1.5	0	\$0	1	1.5	1	2	0	0	0	\$61
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
7) Records of persons who have reviewed operating procedures	1	0	\$0	1	1	0	0	0	0	0	\$0
8) Records of persons who have completed operator training	1	0	\$0	1	1	0	0	0	0	0	\$0
9) Records of persons 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

				• =•=•.			p		-,	,,	.,
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
Tota Total	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	\$61
TOTAL:							2,448	122	245	501	\$100,199
								Total Hours	Labor	Non-Labor	Total
					Summary of R	espondent Burde	en	2,815	\$100,199	\$503,249	\$603,448
					Annualized Ca	pital and Startup	)			\$379,405	\$379,405
					O & M Summa	ry				\$123,792	\$123,792
4											

FOOTNOTES

<sup>a</sup> Based on the total number of existing units expected to continue operating once the guidelines become effective.

<sup>b</sup> Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.

<sup>C</sup> One-time only costs.

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

<sup>e</sup> Annual cost. Annual costs are not incurred until the second year of operation.

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.

(Liquid/Gas)									
Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes							
\$400	4	c,d,l							
\$240,667	6	с							
\$0	0	e							
\$0	4	с							
\$0	4	с							
\$0	0	e							
\$0	0	е							
\$0	6	с							
\$138,338	6	f							
\$123,792	6	e,g							
\$0	6								
\$0	6								
\$0	4								
\$45	6								
\$0	6								
\$0	4	с							
ψυ	+	L							
\$0	2	c,h							
\$0	2	c,h							
-		-							

#### (Liquid/Gas)

(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								
	80									
\$0	0									
\$0	0	k								
\$0	0	k								
\$0	1	j								
\$0	0									
\$0	0									
\$0	0									
\$0	0									

#### (Liquid/Gas)

<u> </u>		
Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	1	
\$503,249	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 Existing Stationary Sources: Com		Industriat	SULLU Was	ste Incin	eracion	JUTE2 - 20	uppart Di	JUD - Tea	Z, Elle	gy Recov	ery unit
for for Existing Stationary Sources: Commercial and Industrial Soli		Emission		(B)	(C)	(D)	(E)	(F)	(G)	(H)	
(H) (H) TeteTetel	Respondent	Testing	Non-Labor Costs	Number of Occurrences	Hours Per	Number of	Technical Hours	Management	Clerical Hours	Emission	Total Labor Costs
TotaTotal LabcLabor Costs	Hours per Occurrence	Contractor Hours	Per	Per	Respondent	Respondents Per Year (a		Hours Per Year	Per Year	Testing Contractor	Per Year
	(Technical	Per	Occurrence	Respondent	Per Year					Hours Per	(b)
Burden Item	hours)	Occurrence		Per Year	(C=A × 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	Θ	\$0	1	1	Θ	Θ	Θ	Θ	Θ	\$0
B. Required Activities											
<ol> <li>Initial stack test and report (PM, dioxins/furans,</li> </ol>	Included in E.	varies	\$40,111	1	0	Θ	Ø	Θ	Ø	501	\$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.	632	\$50,533	1	0	6	0	Θ	Θ	3,790	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	Θ	\$0	1	64	Θ	Θ	Θ	Ō	0	\$0
b) Obtain operator qualification	72	Θ	\$0	1	72	Θ	Θ	Θ	Ō	0	\$0
c) Annual refresher course	12		\$0	1	12	4	48	2	5	0	\$1,965
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	Θ	\$0	1	8	4	32	2	3	0	\$1,310
<ol> <li>Establish operating parameters (maximum and minimum)</li> </ol>	40	Included in B.1.	\$0	1	40	0	0	0	Θ	0	\$0
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	Θ	\$0	1	17	Θ	Θ	Θ	Θ	Θ	\$0
b) Annual costs	17	Θ	\$20,632	1	17	Θ	Θ	Θ	Ō	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	Θ	\$0	1	2	Θ	0	Θ	Ø	0	\$0
b) Fugitive Ash Emissions	1	Θ	\$0	1	1	Θ	Θ	Θ	Θ	0	\$0
2) Notification of initial CMS Demonstration	2	Θ	\$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	Θ	0	Θ	Θ	\$0
b) Fugitive Ash Emissions	2	Θ	\$0	1	2	Θ	Θ	0	Θ	Θ	\$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	Θ	0	Θ	Θ	0	\$0

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

for EXISTING Stationary Sources: Commercial and Industrial Solid		Emission	JULIA WAS	(B)			(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		Per Year	(C=A × 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	Θ	\$0	1	6	Θ	0	Θ	0	0	\$0
b) With site specific parameter petition	14	Θ	\$0	1	14	Θ	Θ	Θ	0	Θ	\$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	Θ	0	Θ	0	0	0	\$0
9) Waste management plan	160	0	\$0	1	160	0	Θ	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	o	\$9,825
11) Status report for operators that are off-site for more than		0	\$0	1	8	1	8	0	1	0	\$328
12) Corrective action summary for operators that are off-site than 2 weeks	for more 8	Θ	\$0	2	16	1	16	1	2	o	\$655
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	1	24	1	2	0	\$983
ReportingSubtotal							368	18	37	4,291	\$15,066
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	Θ	0	0	\$0
2) Records of periods for which minimum amount of data on opera											
parameters were not obtained	0.5	Θ	\$0	52	26	Θ	0	Θ	Θ	o	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	Θ	0	0	0	0	\$0
4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	1	2	0	Θ	0	\$61
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
7) Records of persons who have reviewed operating procedures	1	0	\$0	1	1	4	4	0	0	0	\$164
8) Records of persons who have completed operator training	1	0	\$0	1	1	4	4	0	0	0	\$164
9) Records of persons whe meet operator qualification criteria	1	0	\$0	1	1	4	4	0	Θ	0	\$164
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	4	96	5	10	0	\$3,930

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

									,		·· , ···=·
for for Existing Stationary Sources: Commercial and Industrial Soli	(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							109.5	5.475	10.95	0	\$4,483
TOTAL :							478	24	48	4,291	\$19,548
								Total Hours	Labor	Non-Labor	Total
					Summary of R	espondent Bur	den	549	\$19,548	\$548,337	\$567,885
Annualized Capital and Startup						\$121,292	\$121,292				
					0 & M Summar	у				\$123,792	\$123,792

FOOTNOTES

<sup>a</sup>Based on the total number of existing units expected to continue operating once the guidelines become effective.

<sup>b</sup> Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.

<sup>C</sup>One-time only costs.

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

 $^{\rm e}\,{\rm Annual}$  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.

 ${\sf h}\,{\sf Assumed}$  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. jAssumed that 10 percent of the facilities would have an exceedance during the year.

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

3 (Liquid/Gas)							
Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes					
\$0	0	c,d,l					
\$0	Θ	с					
\$303,200	6	е					
\$0	Θ	с					
\$0	Θ	с					
\$0	4	е					
\$0	4	е					
\$0	0	С					
\$121,292 \$123,792	0	c,f e,g					
		, 0					
\$0	Θ						
\$0	0						
\$0	0						
\$0	Θ						
\$0	0						
\$0	Θ	С					

3 (Liquid	/Gas)					
Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes				
	_					
\$0	Θ	c,h				
\$0	Θ	c,h				
\$0	0	с				
\$0	Θ	с				
\$45	6					
\$0	1	i				
\$0	2	i				
\$8	1	j				
	24					
\$0	Θ					
\$0	Θ	k				
\$0	Θ	k				
\$0	1	j				
\$0	4					
\$0	4					
\$0	4					
\$0	4					
L						

#### } (Liquid/Gas)

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

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

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

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

(H) (H) TotaTotal	(A) Respondent Hours per	Emission Testing Contractor	Non-Labor Costs	(B) Number of Occurrences	(C) Hours Per	(D) Number of Respondents	(E) Technical Hours	(F) Management Hours	(G) Clerical Hours	(H) Emission Testing	Total Labor Costs
LabcLabor Costs Burden Item	Occurrence (Technical hours)	Hours Per Occurrence	Per Occurrence	Per Respondent Per Year	Respondent Per Year (C=A x B)	Per Year (a	Per Year (CXD)	Per Year	Per Year	Contractor Hours Per Year	Per Year (b)
	Included in 3.B.5	occurrence		Per fear	(C-A X B)		(CXD)	(E x 0.05)	(E x 0.1)	rear	
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	0	Θ	0	0	Θ	\$0
	100	0	<b>40</b>	-	100	0	0	0	0	0	40
6) Report prior to initial start-up	<u> </u>	0	<b>*</b> 0				0				*0
a) Without site specific parameter petition	6	0	\$0	1	6	0	0	0	0	0	\$0
b) With site specific parameter petition	14	Θ	\$0	1	14	0	Θ	0	0	Θ	\$0
	Included in 3.B.1										
<ol> <li>Report established values for site-specific operating parame</li> </ol>		Θ	\$0	1	0	0	0	0	0	0	\$0
9) Waste management plan	160	Θ	\$0	1	160	0	0	0	0	0	\$0
10) Annual Report:											
a) Results of performance tests conducted during the year	40	Θ	\$7.50	1	40	6	240	12	24	0	\$9,825
<ol> <li>Status report for operators that are off-site for more than</li> <li>Corrective action summary for operators that are off-site</li> </ol>	8 or more	Θ	\$0	1	8	1	8	0	1	0	\$328
than 2 weeks	8	Θ	\$0	2	16	1	16	1	2	0	\$655
13) Semiannual report of emissions/parameter exceedances	24	Θ	\$7.50	1	24	1	24	1	2	Θ	\$983
eportingSubtotal							368	18	37	4,291	\$15,066
. 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	Θ	Θ	0	0	0	\$0
2) Records of periods for which minimum amount of data on opera											
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	Θ	\$0	1	1.5	0	0	0	0	0	\$0
<ol> <li>Records of exceedances of the operating parameters</li> </ol>	1.5	Θ	\$0	1	1.5	1	2	0	0	0	\$61
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
<ol> <li>Records of persons who have reviewed operating procedures</li> </ol>	1	Θ	\$0	1	1	4	4	0	0	0	\$164
8) Records of persons who have completed operator training	1	0	\$0	1	1	4	4	0	0	0	\$164
<ul> <li>9) Records of persons whe meet operator qualification criteria</li> </ul>	1	0	\$0	1	1	4	4	0	0	0	\$164
10) Records of monitoring device calibration	Included in 3.B		<b>*</b> *	-			•	Ŭ Ŭ	, , , , , , , , , , , , , , , , , , ,		
11) Records of site-specific documentation	24	Θ	\$0	1	24	4	96	5	10	0	\$3,930
F. Personnel Training	Included in 3.B	Ŭ.	<b>*</b>	-	27	7					\$5,550
G. Time for Audits											
cordkeeping Subtotal	Not applicable										

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

	(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 :							478	24	48	4,291	\$19,548
								Total Hours	Labor	Non-Labor	Total
					Summary of R	espondent Bur	den	549	\$19,548	\$548,337	\$567,885
					Annualized C	apital and St	artup			\$121,292	\$121,292
					0 & M Summar	у				\$123,792	\$123,792

FOOTNOTES

<sup>a</sup> Based on the total number of existing units expected to continue operating once the guidelines become effective.

<sup>b</sup> Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.

<sup>C</sup> One-time only costs.

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

<sup>e</sup> Annual cost. Annual costs are not incurred until the second year of operation.

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

 ${\tt g}\,{\tt Based}$  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.

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.

#### % (Liquid/Gas)

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	Θ	c,d,l
\$0	Θ	с
\$303,200	6	е
\$0	Θ	с
\$0	Θ	С
\$0	4	е
\$0	4	е
\$0	0	с
\$121,292	0	c,f
\$123,792	0	e,g
\$0	Θ	
\$0	0	
\$0	0	
Ψ0		
\$0	0	
\$0	0	
L		

#### % (Liquid/Gas)

Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	С
¢o		. h
\$0 \$0	0	c,h
20	0	c,h
\$0	0	с
\$0	0	c
\$45	6	
\$0	1	i
\$0	2	i
\$8	1	j
	24	
\$0	0	
	_	
\$0	0	k
\$0	0	k
\$0	1	j
\$0	4	
\$0	4	
\$0	4	
\$0	4	
\$0	17	
	1	

#### % (Liquid/Gas)

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

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

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

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

for Existing Stationary Sourc			ustrial S								<u>e-burnin</u>
for for Existing Stationary Sources: Commercial and Industrial Soli		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 × 0.1)	Year	(0)
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	Θ	\$100	1	1	12	12	1	1	Θ	\$491
B. Required Activities											
<ol> <li>Initial stack test and report (PM, dioxins/furans,</li> </ol>	Included in E.	varies	\$15,417	1	0	16	Θ	Θ	0	193	\$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.	357	\$28,533	1	0	0	0	0	0	0	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	Θ	\$0	1	64	12	768	38	77	0	\$31,441
b) Obtain operator qualification	72	Θ	\$0	1	72	12	864	43	86	0	\$35,371
c) Annual refresher course	12		\$0	1	12	0	Ø	Θ	0	Θ	\$0
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	Θ	\$0	1	8	0	Θ	Θ	Θ	0	\$0
<ol> <li>Establish operating parameters (maximum and minimum)</li> </ol>	40	Included in B.1.	\$0	1	40	16	640	32	64	0	\$26,201
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	0	\$788	1	17	16	272	14	27	0	\$11,135
b) Annual costs	17	0	\$9,781	1	17	16	272	14	27	0	\$11,135
C. Create Information	Included in 3.B										
D. Gather Information	Included in 3.E										
E. Report Preparation											
1) Notification of initial performance test											
a) Pollutants, fugitive ash emissions	2	Θ	\$0	1	2	16	32	2	3	Θ	\$1,310
b) Fugitive Ash Emissions	1	Θ	\$0	1	1	16	16	1	2	Θ	\$655
2) Notification of initial CMS Demonstration	2	Θ	\$0	1	2	12	24	1	2	Θ	\$983
3) Report of initial performance test											
a) Pollutants, fugitive ash emissions	8	Θ	\$7.50	1	8	16	128	6	13	Θ	\$5,240
b) Fugitive Ash Emissions	2	Θ	\$0	1	2	16	32	2	3	Θ	\$1,310

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

for Existing Stationary Sourc			ustriat S								e-burnin
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 Cos
LabcLabor Costs	Occurrence	Hours	Per	Per	Respondent	Per Year (a	Per Year	Per Year	Per Year	Contractor	Per Year
Burden Item	(Technical hours)	Per Occurrence	Occurrence	Respondent Per Year	Per Year (C=A x B)		(CXD)	(E x 0.05)	(E x 0.1)	Hours Per Year	(b)
4) Report of initial CMS demonstration	Included in 3.B.5			i or rour	(0 // // 0)		(0,0)				
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	12	1,920	96	192	0	\$78,603
6) Report prior to initial start-up											
a) Without site specific parameter petition	6	Θ	\$0	1	6	8	48	2	5	0	\$1,965
b) With site specific parameter petition	14	Θ	\$0	1	14	4	56	3	6	0	\$2,293
7) Report of initial stack test	Included in 3.B.1										
8) Report established values for site-specific operating param	Included in 3.B	Θ	\$0	1	0	0	0	0	0	0	\$0
9) Waste management plan	160	Θ	\$0	1	160	12	1,920	96	192	0	\$78,603
10) Annual Report:											
a) Results of performance tests conducted during the year	40	Θ	\$7.50	1	40	0	Θ	0	Θ	0	\$0
11) Status report for operators that are off-site for more tha	r 8	Θ	\$0	1	8	2	16	1	2	Θ	\$655
12) Corrective action summary for operators that are off-site	1				10						
than 2 weeks	8 24	0	\$0 \$7.50	2	16 24	2	32 48	2	3	0	\$1,310
<ol> <li>Semiannual report of emissions/parameter exceedances</li> <li>aportingSubtotal</li> </ol>	24	0	\$7.50	1	24	2	48	355	5	193	\$1,965 \$290,668
							7,100	333	710	193	\$290,000
. 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.	Θ	\$0	52	0	Θ	0	Θ	Θ	0	\$0
2) Records of periods for which minimum amount of data on oper	đ										
parameters were not obtained	0.5	Θ	\$0	52	26	0	Θ	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	Θ	\$0	1	1.5	2	3	0	0	0	\$123
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
7) Records of persons who have reviewed operating procedures	1	0	\$0	1	1	0	0	0	Θ	0	\$0
8) Records of persons who have completed operator training	1	Θ	\$0	1	1	0	0	0	0	0	\$0
9) Records of persons whe meet operator qualification criteria	1	Θ	\$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	Θ	\$0	1	24	0	0	0	0	0	\$0
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
ecordkeeping Subtotal							3	0.15	0.3	0	\$123
DTAL:	I I		1	1	1	1	7,103	355	710	193	\$290,791

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

······································											
for 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 Hours	Labor	Non-Labor	Total
					Summary of R	espondent Bur	den	8,168	\$290,791	\$417,102	\$707,893
					Annualized C	apital and St	artup			\$260,467	\$260,467
					0 & M Summar	у				\$156,500	\$156,500

FOOTNOTES

<sup>a</sup> Based on the total number of existing units expected to continue operating once the guidelines become effective.

<sup>b</sup> Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.

<sup>C</sup>One-time only costs.

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

 $^{\rm e}\,{\rm Annual\ cost.}\,$  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.

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

 ${\sf h}\,{\sf Assumed}$  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.

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

23740601

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

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

## 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

TOR EXISTING Stationary Sourc	es: commerci	at and indu	ISTITAL S	ottu wast	e rucrue	racion un	ILS - SU	ppart DDL	D - Year	Z, wast	e-purnin
for for Existing Stationary Sources: Commercial and Industrial Solid	(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 Cost
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 × 0.05)	(E x 0.1)	Year @\$80	
1. Applications	Not applicable										
2. Surveys and Studies	Not applicable										
3. Reporting Requirements											
A. Read and Understand Rule Requirements	1	0	\$0	1	1	Θ	0	Θ	Θ	Θ	\$0
B. Required Activities											
<ol> <li>Initial stack test and report (PM, dioxins/furans,</li> </ol>	Included in E.	varies	\$15,417	1	Θ	Θ	0	Θ	Θ	193	\$0
opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as required))											
<ol> <li>Annual stack test and test report (PM, HCl, Opacity, and Fu</li> </ol>	Included in E.	357	\$28,533	1	0	16	0	Θ	0	5,707	\$0
3) Operator training and qualification											
a) Establish and teach operator qualification course	64	Θ	\$0	1	64	Θ	0	Θ	Θ	Θ	\$0
b) Obtain operator qualification	72	Θ	\$0	1	72	Θ	Θ	Θ	Θ	o	\$0
c) Annual refresher course	12		\$0	1	12	12	144	7	14	Θ	\$5,895
d) Initial review of site-specific information	Included in a.										
e) Annual review of site-specific information	8	Θ	\$0	1	8	12	96	5	10	Θ	\$3,930
4) Establish operating parameters (maximum and minimum)	-	Included in B.1.	\$0	1	40	0	0	0	0	0	\$0
5) Continuous parameter monitoring (including CEMS)			<b>4</b> 0	-	10	<u> </u>		<u> </u>			<b>\$</b> 0
a) Initial costs	17	Θ	\$0	1	17	0	0	0	o	0	\$0
		0				0	0	0	0	0	
b) Annual costs	17	U	\$9,781	1	17	0	0	U	0	U	\$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	Θ	\$0	1	2	Θ	Θ	Θ	Θ	Θ	\$0
b) Fugitive Ash Emissions	1	Θ	\$0	1	1	Θ	0	Θ	Θ	Θ	\$0
2) Notification of initial CMS Demonstration	2	0	\$0	1	2	Θ	0	0	0	Θ	\$0
<ol> <li>Report of initial performance test</li> </ol>											
a) Pollutants, fugitive ash emissions	8	Θ	\$7.50	1	8	0	Θ	Θ	Θ	Θ	\$0
b) Fugitive Ash Emissions	2	Θ	\$0	1	2	Θ	Θ	Θ	Θ	0	\$0
4) Report of initial CMS demonstration	Included in 3.B.5										
5) Report prior to construction (includes siting analysis)	160	0	\$0	1	160	0	0	0	0	0	\$0

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

for for Existing Stationary Sources: Commercial and Industrial Solid	(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 Cost
LaboLabor Costs	Occurrence	Hours	Per	Per	Respondent	Per Year (a		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 × 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	Θ	\$0	1	6	0	Θ	Θ	Θ	0	\$0
b) With site specific parameter petition	14	0	\$0	1	14	Θ	Θ	Θ	Θ	Θ	\$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	Θ	\$0	1	160	Θ	0	Θ	0	Θ	\$0
10) Annual Report:											
a) Results of performance tests conducted during the year	40	0	\$7.50	1	40	16	640	32	64	Θ	\$26,201
11) Status report for operators that are off-site for more than	8	0	\$0	1	8	2	16	1	2	Θ	\$655
<ol> <li>Corrective action summary for operators that are off-site fo than 2 weeks</li> </ol>	r more 8	Θ	\$0	2	16	2	32	2	3	0	\$1,310
13) Semiannual report of emissions/parameter exceedances	24	0	\$7.50	1	24	2	48	2	5	0	\$1,965
portingSubtotal							976	49	98	5,899	\$39,957
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	Θ	0	Θ	0	\$0
3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	0	0	0	0	0	\$0
4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	2	3	0	0	0	\$123
5) Records of stack tests	Included in 3.E										
6) Records of siting analysis	Included in 3.E										
7) Records of persons who have reviewed operating procedures	1	0	\$0	1	1	12	12	1	1	0	\$491
8) Records of persons who have completed operator training	1	0	\$0	1	1	12	12	1	1	0	\$491
9) Records of persons whe meet operator qualification criteria	1	0	\$0	1	1	12	12	1	1	0	\$491
10) Records of monitoring device calibration	Included in 3.B										
11) Records of site-specific documentation	24	0	\$0	1	24	12	288	14	29	Θ	\$11,790

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

for Extocing ocacionary oburg		at and ind	JOCI LUC 0	otra maoc	0 1101110	acron on	100 00	Spare BBB	B Ioui	<b>_</b> / <b>n</b> aoe	o baimini
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 × B)		(CXD)	(E X 0.05)	(E X 0.1)	Year @\$80	
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
Recordkeeping Subtotal							327	16.35	32.7	Θ	\$13,387
TOTAL:							1,303	65	130	5,899	\$53,344
								Total Hours	Labor	Non-Labor	Total
					Summary of R	espondent Burc	len	1,498	\$53,344	\$625,768	\$679,112
					Annualized Ca	apital and Sta	artup			\$12,600	\$12,600
					0 & M Summary	y				\$156,500	\$156,500

FOOTNOTES

 $^{
m a}$  Based on the total number of existing units expected to continue operating once the guidelines become effective.

<sup>b</sup> Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.

<sup>C</sup> One-time only costs.

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

 $^{\rm e}\,{\rm Annual\ cost.}\,$  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.

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.

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

Kilns		
Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
<b>*</b>	0	
\$0	Θ	c,h
\$0	0	c,h
\$0	Θ	с
\$0	0	С
\$120	16	
\$0	2	i
\$0	4	i
\$15	2	j
	64	
\$0	0	
\$0	0	k
\$0	0	k
\$0	2	j
\$0	12	
\$0	12	
\$0	12	
\$0	12	
L		

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

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

for Existing Stationary Source			ustriat s					-			e-purnin
for for Existing Stationary Sources: Commercial and Industrial Sol. (H) (H)	i( (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 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		(2)(2)	(5 0 05)	(5 0 1)	Hours Per	(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	Not upp tious to										
A. Read and Understand Rule Requirements	1	Θ	\$0	1	1	Θ	Θ	Θ	Θ	0	\$0
B. Required Activities											
<ol> <li>Initial stack test and report (PM, dioxins/furans,</li> </ol>	Included in E.	varies	\$15,417	1	0	o	Θ	Θ	o	193	\$0
opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2 (as require			,			-	-		-		
<ol> <li>Annual stack test and test report (PM, HCl, Opacity, and</li> </ol>		357	\$28,533	1	0	16	0	0	0	5,707	\$0
<ol> <li>Operator training and qualification</li> </ol>			,		-	-				-, -	
a) Establish and teach operator qualification course	64	Θ	\$0	1	64	Θ	Θ	0	0	0	\$0
b) Obtain operator qualification	72	0	\$0	1	72	Θ	Θ	Θ	Θ	0	\$0
c) Annual refresher course	12		\$0	1	12	12	144	7	14	0	\$5,895
<ul> <li>d) Initial review of site-specific information</li> </ul>	Included in a.										
e) Annual review of site-specific information	8	Θ	\$0	1	8	12	96	5	10	Θ	\$3,930
<ol> <li>Establish operating parameters (maximum and minimum)</li> </ol>	40	Included in B.1.	\$0	1	40	0	0	0	0	0	\$0
5) Continuous parameter monitoring (including CEMS)											
a) Initial costs	17	Θ	\$0	1	17	Θ	Θ	Θ	0	0	\$0
b) Annual costs	17	0	\$9,781	1	17	Θ	Θ	0	o	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	Θ	\$0	1	2	0	Θ	Θ	Ø	0	\$0
b) Fugitive Ash Emissions	1	Θ	\$0	1	1	0	Θ	Θ	Ø	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	Θ	Θ	Ø	0	\$0
b) Fugitive Ash Emissions	2	0	\$0	1	2	Θ	Θ	Θ	Θ	Θ	\$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	Θ	Θ	0	Θ	0	\$0

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

for	for Existing Stationary Sources: Commercial and Industrial Solid		Emission						INPAIL DOL	(G)	<b>3, Wast</b>	
	(H)	(A) Respondent	Testing	Non-Labor	(B) Number of	(C) Hours	(D) Number of	(E) Technical	(F) Management	(G) Clerical	(H) Emission	Total
	aTotal	Hours per	Contractor	Costs	Occurrences	Per	Respondents	Hours	Hours	Hours	Testing	Labor Cost
Lab	cLabor 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	
	<ol><li>Report prior to initial start-up</li></ol>											
	a) Without site specific parameter petition	6	Θ	\$0	1	6	Θ	Θ	Θ	Θ	Θ	\$0
	b) With site specific parameter petition	14	Θ	\$0	1	14	Θ	Ø	Θ	Θ	Θ	\$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	Θ	\$0	1	0	Θ	Θ	0	0	0	\$0
	9) Waste management plan	160	Θ	\$0	1	160	Θ	0	0	0	0	\$0
	10) Annual Report:											
	a) Results of performance tests conducted during the year	40	Θ	\$7.50	1	40	16	640	32	64	Θ	\$26,201
	11) Status report for operators that are off-site for more than	8	0	\$0	1	8	2	16	1	2	0	\$655
	<ol> <li>Corrective action summary for operators that are off-site t than 2 weeks</li> </ol>	or more 8	0	\$0	2	16	2	32	2	3	0	\$1,310
	13) Semiannual report of emissions/parameter exceedances	24	Θ	\$7.50	1	24	2	48	2	5	0	\$1,965
Reporti	ngSubtotal							976	49	98	5,899	\$39,957
1. Rec	ordkeeping Requirements											
Α.	Read Instructions	Inculded in 3.A										
в.	Plan Activities	Not applicable										
С.	Implement Activities	Not applicable										
D.	Develop Record System	Not applicable										
Ε.	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 operation											
	parameters were not obtained	0.5	Θ	\$0	52	26	Θ	Θ	Θ	Θ	Θ	\$0
	3) Records of malfunction of the unit	1.5	0	\$0	1	1.5	Θ	Θ	0	0	0	\$0
	4) Records of exceedances of the operating parameters	1.5	0	\$0	1	1.5	2	3	0	0	0	\$123
	5) Records of stack tests	Included in 3.E										
	6) Records of siting analysis	Included in 3.E										
	7) Records of persons who have reviewed operating procedures	1	0	\$0	1	1	12	12	1	1	0	\$491
	8) Records of persons who have completed operator training	1	Θ	\$0	1	1	12	12	1	1	Θ	\$491
	<ol> <li>Records of persons whe meet operator qualification criteria</li> </ol>	1	Θ	\$0	1	1	12	12	1	1	Θ	\$491
	10) Records of monitoring device calibration	Included in 3.B										
	11) Records of site-specific documentation	24	0	\$0	1	24	12	288	14	29	0	\$11,790

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

TOT Existing Stationary Source		Luc una Ina	usti fut o	otra nast	C Inollic	Tutton on	100 00	spare bbb	D ICul	<b>0</b> , <b>n</b> ust	builting
for for Existing Stationary Sources: Commercial and Industrial Soli	(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 × 0.05)	(E x 0.1)	Year	
F. Personnel Training	Included in 3.B										
G. Time for Audits	Not applicable										
Recordkeeping Subtotal							327	16.35	32.7	0	\$13,387
TOTAL :							1,303	65	130	5,899	\$53,344
								Total Hours	Labor	Non-Labor	Total
					Summary of R	espondent Bur	den	1,498	\$53,344	\$625,768	\$679,112
					Annualized C	apital and St	artup			\$12,600	\$12,600
					0 & M Summar	у				\$156,500	\$156,500

FOOTNOTES

<sup>a</sup>Based on the total number of existing units expected to continue operating once the guidelines become effective.

<sup>b</sup> Costs are based on the following hourly rates: technical at \$34.60, management at \$82.23, clerical at \$22.32, and testing contractor at \$80.

<sup>C</sup>One-time only costs.

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

 $^{\rm e}\,{\rm Annual}$  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.

 ${\sf h}\,{\sf Assumed}$  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. jAssumed 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		
Total Non-Labor Costs Per Year	Total Responses Per Year	Footnotes
\$0	0	c,d,l
\$0	Θ	с
\$456,533	16	е
\$0	Θ	С
\$0	Θ	с
\$0	12	е
\$0	12	е
\$0	0	С
\$12,600	Θ	c,f
\$156,500	Θ	e,g
\$0	Θ	
\$0	0	
\$0	0	
\$0	Θ	
\$0	0	
\$0	0	С

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

	-	
Кı	lns	

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

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

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

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

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

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

#### the Emissions Subpart DDDD,

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

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

	(A)		(B)	(C)	(D)	(E)	(F)
	Number o Occurrences		EPA Hours Per	Tech Hours Per Year	Management Hours Per Year	Clerical Hours Per	EPA Cost Per
Burden Item	Year		Occurrence	(C=AxB)	(D=C×0.05)	Year (E=Cx0.1)	Year (a,b)
1. Applications				not a	oplicable		
2. Read and Understand Rule Requirements	1	с	16	16	1	2	\$954
3. Required Activities							
A. Observe initial stack tests							
(PM, dioxins/furans, opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2)	15	c,d	48	720	36	72	\$42,947
B. Excess emissions Enforcement Activities	8	f	24	180	9	18	\$10,737
C. Create Information not applicable							
D. Gather Information	not applicable						
E. Report Reviews							
1) Review waste managemant plan and siting analysis	55	с	8	440	22	44	\$26,245
<ol> <li>Review report submitted prior to initial startup</li> </ol>	52	с	2	104	5	10	\$6,203
3) Review initial stack test report	75	с	40	3000	150	300	\$178,944
4) Review annual compliance report	Θ	е	8	Θ	Θ	0	\$0
Review semi-annual excess emission and parameter exceedance report 5)	7	f	16	117	6	12	\$6,967
6) Review status reports and corrective action summary for operators off-site	15	g	4	58	3	6	\$3,483
F. Prepare annual summary report	1		200	200	10	20	\$11,930
. Travel expenses: (1 person * 30 hours per year / 8 hours per day * \$75 per diem) -	+ (\$600 per ro	und tr	\$881	per trip			\$13,219
TOTAL				4835	242	484	\$301,629

FOOTNOTES

a Costs are based on the following hourly rates (loaded with 60% for fringe and overhead): technical at \$52.37, management at \$86.56, clerical at \$29.52.

b Figures may not add exactly due to rounding.

- c One-time only costs.
- d Assumes EPA personnel attend 20 percent of the initial stack tests.
- e Burden not incurred until second year of operation onward.
- f Assume that 10 percent of the facilities have an exceedance during the year.
- 9 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

				(B)	(C)	(D)	(E)	(F)
		Number of O	currences	EPA Hours Per	Tech Hours Per Year	Management	Clerical Hours Per	EPA Cost Per
	Burden Item	Per Y		Occurrence	(C=AxB)	(D=C×0.05)	Year (E=Cx0.1)	Year (a,b)
1. Applic	cations				not ap	plicable	I	
2. Read a	and Understand Rule Requirements	Θ	с	16	Θ	0	Θ	\$0
3. Requir	red Activities							
Α.	Observe initial stack tests							
	(PM, dioxins/furans, opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2)	Θ	c,d	48	Θ	0	Θ	\$0
В.	Excess emissions Enforcement Activities	8	f	24	180	9	18	\$10,737
C.	Create Information	not applicable						
D.	Gather Information	not applicable						
Ε.	Report Reviews							
1)	Review waste managemant plan and siting analysis	Θ	с	8	Θ	Θ	Θ	\$0
2)	Review report submitted prior to initial startup	Θ	с	2	Θ	Θ	Θ	\$0
3)	Review initial stack test report	Θ	с	40	Θ	0	0	\$0
4)		75	e	8	600	30	60	\$35,789
5)	Review semi-annual excess emission and parameter exceedance report 5)		f	16	117	6	12	\$6,967
6)	) Review status reports and corrective action summary for operators off-site	15	g	4	58	3	6	\$3,483
F.	Prepare annual summary report	1		200	200	10	20	\$11,930
5. Travel	l expenses: (1 person * 30 hours per year / 8 hours per day * \$75 per diem)	+ (\$600 per	round tri	ı	per trip	•		\$0
TOTAL					1155	58	116	\$68,905

FOOTNOTES

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Costs are based on the following hourly rates (loaded with 60% for fringe and overhead): technical at \$52.37, management at \$86.56, clerical at \$29.52.

b Figures may not add exactly due to rounding.

- c One-time only costs.
- d Assumes EPA personnel attend 20 percent of the initial stack tests.
- e Burden not incurred until second year of operation onward.
- f Assume that 10 percent of the facilities have an exceedance during the year.
- g Assumed that 10 percent of the facilities would not have a qualified operator for more than two weeks at least once a year. Assumed that 1 status report and 2 corrective action summaries are submitted.

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

#### FOOTNOTES

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.
- 9 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.

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

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