(A)	(B)	(C)	(D)*
Boiler Type	Number of Respondents (facilities)	Total Number Responses for 3-year Period	Average Annual Number of Responses
Existing Large Solid Units	2,020	6,347	2,116
New Large Solid Units	30	120	40
Existing Small Solid Units	5,314	13,285	4,428
New Small Solid Units	148	444	148
Existing Large Liquid Units	4,615	11,538	3,846
New Large Liquid Units	244	975	325
Existing Small Liquid Units	79,387	198,468	66,156
New Small Liquid Units	2,968	8,904	2,968
TOTAL	94,726	240,079	80,026

198,468

66155.83

(A)	(B)	(C)	(D)	(E)
Boiler Type	Number of Respondents (facilities)	Total Annualized Capital and O&M over 3 years	Total Capital/Startup Cost over 3 years	Average Annual O&M and Annualized Capital Costs per year
Existing Large Solid Units	2,020	\$ 20,730,258	\$ 2,040,000	\$ 6,910,086
New Large Solid Units	30	\$ 313,700	\$ 474,100	\$ 104,567
Existing Small Solid Units	5,314	\$ 11,840,706	\$ -	\$ 3,946,902
New Small Solid Units	148	\$ 657,260	\$ -	\$ 219,087
Existing Large Liquid Units	4,615	\$ 37,226,090	\$ -	\$ 12,408,697
New Large Liquid Units	244	\$ 21,622,400	\$ 20,154,600	\$ 7,207,467
Existing Small Liquid Units	79,387	\$ 353,748,472	\$-	\$ 117,916,157
New Small Liquid Units	2,968	\$ 13,227,636	\$ -	\$ 4,409,212
TOTAL	94,726	\$ 459,366,522	\$ 22,668,700	\$ 153,122,174

ICRAS SUMMARY		Reporting			eping		Total Re	ecordkeeping and	Reporting Costs
	Annual Burden Hours	Number of Respondents (Facilities)		Annualized Capital/Start-up and O&M	Annual Burden Hours				Annualized Capital/Start- up and O&M
Year 1	4,505,011	92,465	94,204	8,288,756	15,630	Year 1	94,204	4,520,641	\$ 8,288,756
Year 2	899,661	92,466	3,478	222,157,049	31,260	Year 2	3,478	930,921	\$ 222,157,049
Year 3	2,036,526	94,726	142,397	228,920,717	557,391	Year 3	142,397	2,593,917	\$ 228,920,717
Overall Average Annual Estimates	2,480,399	93,219	80,026	153,122,174	201,427	Overall Average Annual Estimates	80,026	2,681,826	\$ 153,122,174
Avg. Cost per Response	_	_		\$ 1,913					
Avg. Burden Hours per Response	30.99			3			34		

		ALI	L SECTORS	Private Sector	_	Public Sector
Paperwork Preamble SUMMARY- Industry	 3-year total		annual average	annual average		annual average
Total HOURS	 8,045,479		2,681,826	1,314,095		1,367,731
TOTAL COSTS (non-labor)	\$ 459,366,522	\$	153,122,174	\$ 75,029,865	\$	78,092,309
Total LABOR COSTS	\$ 761,014,868	\$	253,671,623	\$ 124,299,095	\$	129,372,528
TOTAL LABOR AND NON-Labor COSTS	\$ 1,220,381,390	\$	406,793,797	\$ 199,328,960	\$	207,464,836
	Small En	ity I	Respondents per year	44,307		46,115
	Та	tal I	Respondents per year	45,677		47,542

AGENCY Burden	Hours	Costs (labor + travel)
Year 1	439,226	\$ 19,848,842
Year 2	49,445	\$ 2,473,334
Year 3	368,891	\$ 16,869,092
Total	857,563	\$ 39,191,268
Annual Average	285,854	\$ 13,063,756

total costs \$ 1,220,381,390 \$ 406,793,797

labo	or	nonlabor	
\$	427,603,509.47	\$	8,288,756.00
\$	88,055,005.53	\$	222,157,048.50
\$	245,356,353.45	\$	228,920,717.00
\$	761,014,868.45	\$	459,366,521.50

### Labor Rates

Category	Rate
Technical	\$98.20
Clerical	\$48.53
Managerial	\$114.49
General Contractor	\$80.00
Certfied Energy Audit Contractor	\$56.78

### Existing Boiler Data

Fuel Category	Size Category	Total
	< 10	7492
Biomass	>= 10 to 100	3418
	>100	48
Coal	< 10	3137
Cuar	>= 10 to 100	573
	< 10	158774
Liquid	>= 10 to 100	9090
	>100	139
Gran	182671	

Assume units with bag leak detection will have a bag leak detection monitor

### BLD Monitors

	Total
Coal >10	80

Units per Facility 2

169403

Sum of Number of Facilities Repres			
	Fuel Category	Size Category	
10629		< 10	
	Biomass	>= 10 to 100	
		>100	
	Coal	< 10	
4039	Cuai	>= 10 to 100	
		< 10	
	Liquid	>= 10 to 100	
9229		>100	
13268	Grand Total		

Otherwise, all units will have an opi

Opacity monitors

Size Category	Total
< 10	0
>= 10 to 100	0
>100	0
Grand Total	0

### New Boiler Data

Sum of Number of B	oilers Represente	d by Model	-	Sum of Number of Facility Represe						
Fuel Category	Size Category		Number Greater than 30 that will have PM costs covered by NSPS	Fuel Category	Size Category					
	< 10	140			< 10					
Biomass	>10 to 100	11	0	Biomass	>10 to 100					
	> 100	49	49		> 100					
Coal	< 10	155		Coal	< 10					
Liquid	< 10	5937		Liquid	< 10					
Liquid	>10 to 100	487		Liquid	>10 to 100					
Grand	Total	6779		Grand 1	Total					

#### **BLD Monitors**

Size Category	Total
new oil >10	45

### Opacity monitors

Si	ze Category	Total
ne	w biomass >10	60
ne	w oil >10	442

\*All new coal and residual liquid units will have Fabric filter installed and will be assumed to use bag leak det \*All new units >100 will install a CO monitor

\*All biomass and distillate liquid units will install an opacity monitor since they are not expected to install a Ff

### Agency Labor Rates

Managerial	\$62.27
Clerical	\$25.01
Technical	\$46.21

### Per Diem Info

Hotel	\$110
Meals	\$58
Airfare	\$600
Trip Length	3

### Other Data

Percent of Stack Tests Observed	20%
Estimated Percent Retesting	10%
Estimated Percent Emission Exceedences	10%

sented by Model			
Total			
3746	5314 tot		
1709		4039	
24	1733	1734	
1568			
287			
79387			
4545			
70	4615		
91336	91335.5		573

acity monitor

94726

2020

287

nted by Mo	del
Total	
	70
	5
	25
	78
	2968
	244
	3390

Number of boilers >30

487

3389.5

ection monitors.

F to meet PM limits.

## Table 1.A. Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial. Commercial. and Institutional Boilers - Year 1. Existing Large Solid Fuel Units

	for Hazardous A	Air Pollutants (	NESHAP) for	Industrial,	Commercial, a	and Institutio	nal Boilers - Y	ear 1, Exis	ting Large	Solid Fuel U	Jnits	-	-	
Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Certified Energy Audit Cost per Occurrence	(C) Stack Testing and Fuel Analysis Cost Per Occurrence		(E) Number of Occurrences Per Respondent Per Year		(G) Number of Respondents Per Year	(H) Technical Hours per Year @ \$98.20 (F X G)	(I) Clerical Hours per Year @ \$48.53 (H X 0.1)	(J) Managemen t Hours per Year @ \$114.49 (H X .05)	(K) Total Labor Costs Per Year	(L) Total Non- Labor Annual Costs	(M) Total Number of Responses per Year (E X G)	Footnotes
1. Applications	na													
2. Surveys and Studies	na													
3. Reporting Requirements														
A. Read and Understand Rule Requirements	40	\$0	\$0	\$0	1	40	2,020	80,800	8,080	4,040	\$8,789,222	\$0	0	a
B. Required Activities														
1. Conduct Energy Audit														
a) Industrial	20	\$18,292	\$0	\$0	1	20	0	0	0	0	\$0	\$0	0	b, c, d, f
b) Commercial	20	\$854	\$0	\$0	1	20	0	0	0	0	\$0	\$0	0	b, c, d, f
2. Initial Stack Test and Report (for Hg)	12	\$0	\$5,000	\$0	1	12	0	0	0	0	\$0	\$0	0	c, h
3. Initial Stack Test and Report (for CO)	12	\$0	\$6,000	\$0	1	12	0	0	0	0	\$0	\$0	0	c, h
4. Annual Stack Test and Report (for Hg)	12	\$0	\$5,000	\$0	1	12	0	0	0	0	\$0	\$0	0	c, h
5. Annual Stack Test and Report (for CO)	12	\$0	\$6,000	\$0	1	12	0	0	0	0	\$0	\$0	0	c, h
6. Initial Fuel Analysis for Mercury Content	5	\$0	\$200	\$0	1	5	0	0	0	0	\$0	\$0	0	c,g
7. Monthly Fuel Analysis for Mercury Content	5	\$0	\$200	\$0	12	60	0	0	0	0	\$0	\$0	0	c,g
8. Continuous Parameter Monitoring	-						-	-						
Establish Site-specific monitoring plan (all)	40	\$0	\$0	\$0	1	40	0	0	0	0	\$0	\$0	0	c, h
Bag Leak Detection System Operation (all sources that have fabric filters)														
a) initial	10	\$0	\$0	\$25,500	1	10	0	0	0	0	\$0	\$0	0	С
b) annual	10	\$0	\$0	\$9,700	1	10	0	0	0	0	\$0	\$0	0	С
9. Biennial Tune-Up	12	\$0	\$2,875	\$0	0.5	6	0	0	0	0	\$0	\$0	0	C, j
C. Create Information	na													
D. Gather Information	na													
E. Report Preparation														
1) Initial Notification that Source is Subject	2	\$0	\$0	\$0	1	2	2,020	4,040	404	202	\$439,461	\$0	2,020	a
2) Notification of Compliance Status	8	\$0	\$0	\$0	1	8	0	0	0	0	\$0	\$0	0	С
<ol> <li>Initial Report on results of Energy Audit</li> </ol>	5	\$0	\$0	\$0	1	5	0	0	0	0	\$0	\$0	0	b, c, d, f
4) Annual Compliance Report	30	\$0	\$0	\$0	1	30	0	0	0	0	\$0	\$0	0	c, h
5) Bi-annual Compliance Report	5	\$0	\$0	\$0	0.5	2.5	0	0	0	0	\$0	\$0	0	C, j
Reporting Subtotal								84,840	8,484	4,242	9,228,683	0	2,020	
4. Recordkeeping Requirements														
A. Read Instructions	Included in 3a													
B. Implement Activities	na													
C. Develop Record System	na			1										е
D. Record Information				1										1
1) Records of Operating Parameter Values	20	\$0	\$0	\$0	1	20	0	0	0	0	\$0	\$0	0	c, h
2) Records of Deviations	15	\$0	\$0	\$0	1	15	0	0	0	0	\$0	\$0	0	c, h
3) Records of Stack Tests	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0	0	c, h
4) Records of Monitoring Device Calibrations	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0	0	c, h
5) Records of All Compliance Reports Submitted	2	\$0	\$0	\$0	2	4	0	0	0	0	\$0	\$0	0	C, 11
6) Records of Monthly Fuel Use	0.5	\$0	\$0	\$0	12	6	0	0	0	0	\$0	\$0	0	c, h
E. Personnel Training	na	ΨU	ΨU	Ψυ	12	0	0				φυ	ΦU		, II
F. Time for Audits	na													
Recordkeeping Subtotal	IIa							0	0	0	\$0	\$0	0	
· · ·								-	-					
Totals								84,840	8,484	4,242	\$9,228,683	\$0	2,020	

a Number of respondents based on number of existing large solid fuel boilers which includes biomass and coal units greater than 10 mmBtu/hr (assumption of 2 units per facility).

b Cost includes taking an inventory of facility equipment including age, operating schedules, square feet of the facility and other details necessary for preparing for the audit pre-screening, attending the energy audit, and reviewing audit report from the audit professional.

c Since existing units have three years after the publication date of the final rule to submit initial notification of compliance status, conduct compliance activities, or meet recordkeeping or reporting requirements, it is assumed that half the affected units will conduct an audit, testing and monitoring plan development in year 2 and half will conduct them in year 3 in order to be in compliance by the third year after promulgation. Initial Notification of Compliance Reports and recordkeeping requirements will not begin until year 3 of this ICR.

d Cost per occurrence for energy audit professionals including an phone screening to discuss the facility prior to a visit, a 2 to 4 hour site visit, and an additional 2-4 hours to prepare a follow-up report on recommendations and findings. Cost depends on whether the source is industrial or commercial. It is assumed that 10% will be industrial and 90% will be commercial sources. These site visits are assumed to be conducted by certified energy professionals.

e Assumes facility must already maintain records on boiler insurance and/or maintenance schedule. No new record system would be required.

f All existing large solid units must conduct energy audits.

g Existing large coal units are expected to determine compliance through stack testing and not fuel analysis

h Only existing large coal units have mercury and CO limits.

i Existing large biomass units are subject to the biennial tune-up

## Table 1.B. Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers - Year 2, Existing Large Solid Fuel Units

	IOI Hazaruous /	All Pollutants	(NESHAP) for	industriai,	Commercial, a	and institutio	onal Bollers - Y	ear 2, Exis	ting Large	Solid Fuel C	Jinits			
Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Certified Energy Audit Cost per Occurrence	(C) Stack Testing and Fuel Analysis Cost Per Occurrence	(D) Other Non-Labor Costs Per Occurrence	(E) Number of Occurrences Per Respondent Per Year	(F) Technical Hours per Respondent Per Year (A X E)	(G) Number of Respondents Per Year	(H) Technical Hours per Year @ \$98.20 (F X G)	(I) Clerical Hours per Year @ \$48.53 (H ≯ 0.1)	(J) Managemen t Hours per Year @ \$114.49 (H X .05)	(K) Total Labor Costs Per Year	(L) Total Non- Labor Annual Costs	(M) Total Number of Responses per Year (E X G)	Footnotes
1. Applications	na													
2. Surveys and Studies	na													
3. Reporting Requirements														
A. Read and Understand Rule Requirements	40	\$0	\$0	\$0	1	40	0	0	0	0	\$0	\$0	0	a
B. Required Activities														
1. Conduct Energy Audit														
a) Industrial	20	\$18.292	\$0	\$0	1	20	202	4.040	404	202	\$439.461	\$3.694.984	0	b, c, d, f
b) Commercial	20	\$854	\$0	\$0	1	20	1,818	36,360	3,636	1,818	\$3,955,150	\$1,552,572	0	b, c, d, f
2. Initial Stack Test and Report (for Hg)	12	\$0	\$5.000	\$0	1	12	287	3.444	344	172	\$374.630	\$1,435,000	0	c, h
3. Initial Stack Test and Report (for CO)	12	\$0	\$6,000	\$0	1	12	287	3,444	344	172	\$374,630	\$1,722,000	0	c, h
4. Annual Stack Test and Report (for Hg)	12	\$0	\$5,000	\$0	1	12	0	0	0	0	\$0	\$0	0	c, h
5. Annual Stack Test and Report (for CO)	12	\$0	\$6,000	\$0	1	12	0	0	0	0	\$0	\$0	0	c, h
6. Initial Fuel Analysis for Mercury Content	5	\$0	\$200	\$0	1	5	0	0	0	0	\$0	\$0	0	c,g
7. Monthly Fuel Analysis for Mercury Content	5	\$0	\$200	\$0	12	60	0	0	0	0	\$0	\$0	0	c,g
8. Continuous Parameter Monitoring	-							-	-	-			-	-,9
Establish Site-specific monitoring plan (all)	40	\$0	\$0	\$0	1	40	145	5,800	580	290	\$630,910	\$0	0	c, h
Bag Leak Detection System Operation (all sources that have fabric filters)														
a) initial	10	\$0	\$0	\$25,500	1	10	40	400	40	20	\$43,511	\$1,020,000	0	с
b) annual	10	\$0	\$0	\$9,700	1	10	40	400	40	20	\$43.511	\$388,000	0	c
9. Biennial Tune-Up	12	\$0	\$2.875	\$0	0.5	6	1,733	10,398	1,040	520	\$1,131,068	\$0	0	C, j
C. Create Information	na	**	42,010	<b>\$</b> 0	0.0		2,100	10,000	1,010	020	+1,101,000			0, ]
D. Gather Information	na													
E. Report Preparation	na													
1) Initial Notification that Source is Subject	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0	0	a
2) Notification of Compliance Status	8	\$0	\$0	\$0	1	8	0	0	0	0	\$0	\$0	0	c
3) Initial Report on results of Energy Audit	5	\$0	\$0	\$0	1	5	0	0	0	0	\$0	\$0	0	b, c, d, f
4) Annual Compliance Report	30	\$0	\$0	\$0	1	30	0	0	0	0	\$0	\$0	0	c, h
5) Bi-annual Compliance Report	5	\$0	\$0	\$0	0.5	2.5	0	0	0	0	\$0	\$0	0	C, j
Reporting Subtotal	<u> </u>	**		<b>\$</b> 5	0.0	2.0		63,886	6,389	3,194	\$6,949,359	\$8,792,556	0	0, ]
4. Recordkeeping Requirements													-	
A. Read Instructions	Included in 3a													
B. Implement Activities	na													
C. Develop Record System	na													е
D. Record Information										1				-
1) Records of Operating Parameter Values	20	\$0	\$0	\$0	1	20	0	0	0	0	\$0	\$0	0	c, h
2) Records of Deviations	15	\$0	\$0	\$0	1	15	0	0	0	0	\$0	\$0	0	c, h
3) Records of Stack Tests	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0	0	c, h
4) Records of Monitoring Device Calibrations	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0	0	c, h
5) Records of All Compliance Reports Submitted	2	\$0	\$0	\$0	2	4	0	0	0	0	\$0	\$0	0	C, 11
6) Records of Monthly Fuel Use	0.5	\$0	\$0	\$0	12	6	0	0	0	0	\$0	\$0	0	c. h
E. Personnel Training	na	¥0	ΨŬ	<b>~</b> ~		Ŭ	Ŭ			l	<b>*</b> *			- 0, 11
F. Time for Audits	na													+
Recordkeeping Subtotal	114							0	0	0	0	0	0	+
								-	-	-				
Totals								63,886	6,389	3,194	\$6,949,359	\$8,792,556	0	

a The burden on existing sources to read and understand rule requirements, and submit an initial notification were assumed to all occur in year 1.

b Cost includes taking an inventory of facility equipment including age, operating schedules, square feet of the facility and other details necessary for preparing for the audit pre-screening, attending the energy audit, and reviewing audit report from the audit professional.

c Since existing units have three years after the publication date of the final rule to submit initial notification of compliance status, conduct compliance activities, or meet recordkeeping or reporting requirements, it is assumed that half the affected units will conduct an audit, testing and monitoring plan development in year 2 and half will conduct them in year 3 in order to be in compliance by the third year after promulgation. Initial Notification of Compliance Reports and recordkeeping requirements will not begin until year 3 of this ICR.

d Cost per occurrence for energy audit professionals including an phone screening to discuss the facility prior to a visit, a 2 to 4 hour site visit, and an additional 2-4 hours to prepare a follow-up report on recommendations and findings. Cost depends on whether the source is industrial or commercial. It is assumed that 10% will be industrial and 90% will be commercial sources. These site visits are assumed to be conducted by certified energy professionals.

e Assumes facility must already maintain records on boiler insurance and/or maintenance schedule. No new record system would be required.

f All existing large solid units must conduct energy audits.

g Existing large coal units are expected to determine compliance through stack testing and not fuel analysis

h Only existing large coal units have mercury and CO limits.

i Existing large biomass units are subject to the biennial tune-up

## Table 1.C. Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers - Year 3, Existing Large Solid Fuel Units

	Ior Hazaruous /	All Pollularits	(NESHAP) for	Industria	, Commerciai,	and instituti	onal Boilers -	rear 3, Exis	sting Large	Solid Fuel	Units			
Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Certified Energy Audit Cost per Occurrence	(C) Stack Testing and Fuel Analysis Cost Per Occurrence	(D) Other Non-Labor Costs Per Occurrenc e	(E) Number of Occurrences Per Respondent Per Year		(G) Number of Respondents Per Year	(H) Technical Hours per Year @ \$98.20 (F X G)	(I) Clerical Hours per Year @ \$48.53 (H ≯ 0.1)	(J) Managemen t Hours per Year @ (\$114.49 (H X .05)	(K) Total Labor Costs Per Year	(L) Total Non- Labor Annual Costs	(M) Total Number of Responses per Year (E X G)	Footnotes
1. Applications	na													
2. Surveys and Studies	na													
3. Reporting Requirements														
A. Read and Understand Rule Requirements	40	\$0	\$0	\$0	1	40	0	0	0	0	\$0	\$0	0	a
B. Required Activities														
1. Conduct Energy Audit														
a) Industrial	20	\$18,292	\$0	\$0	1	20	202	4,040	404	202	\$439,461	\$3,694,984	0	b, c, d, f
b) Commercial	20	\$854	\$0	\$0	1	20	1,817	36,340	3,634	1,817	\$3,952,974	\$1,551,718	0	b, c, d, f
2. Initial Stack Test and Report (for Hg)	12	\$0	\$5,000	\$0	1	12	286	3,432	343	172	\$373,324	\$1,430,000	0	c, h
3. Initial Stack Test and Report (for CO)	12	\$0	\$6,000	\$0	1	12	286	3,432	343	172	\$373,324	\$1,716,000	0	c, h
4. Annual Stack Test and Report (for Hg)	12	\$0	\$5,000	\$0	1	12	287	3,444	344	172	\$374,630	\$1,435,000	0	c, h
5. Annual Stack Test and Report (for CO)	12	\$0	\$6,000	\$0	1	12	287	3,444	344	172	\$374,630	\$1,722,000	0	c, h
6. Initial Fuel Analysis for Mercury Content	5	\$0	\$200	\$0	1	5	0	0	0	0	\$0	\$0	0	c,g
7. Monthly Fuel Analysis for Mercury Content	5	\$0	\$200	\$0	12	60	0	0	0	0	\$0	\$0	0	c,g
8. Continuous Parameter Monitoring														
Establish Site-specific monitoring plan (all)	40	\$0		\$0	1	40	144	5,760	576	288	\$626,558	\$0	0	c, h
Bag Leak Detection System Operation (all sources that have fabric filters)														
a) initial	10	\$0	\$0	\$25,500	1	10	40	400	40	20	\$43,511	\$1.020.000	0	с
b) annual	10	\$0	\$0	\$9,700	1	10	40	400	40	20	\$43,511	\$388,000	0	С
9. Biennial Tune-Up	12	\$0	\$2,875	\$0	0.5	6	1,733	10,398	1,040	520	\$1,131,068	\$0	0	C, j
C. Create Information	na					-	,	.,	1				-	
D. Gather Information	na													
E. Report Preparation														
1) Initial Notification that Source is Subject	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0	0	a
2) Notification of Compliance Status	8	\$0	\$0	\$0	1	8	2,020	16,160	1,616	808	\$1,757,844	\$0	2,020	с
<ol> <li>Initial Report on results of Energy Audit</li> </ol>	5	\$0	\$0	\$0	1	5	2,020	10,100	1,010	505	\$1,098,653	\$0	2,020	b, c, d, f
4) Annual Compliance Report	30	\$0	\$0	\$0	1	30	287	8,610	861	431	\$936,574	\$0	287	c, h
5) Bi-annual Compliance Report	5	\$0	\$0	\$0	0.5	2.5	1,733	4,333	433	217	\$471,279	\$0	867	C, j
Reporting Subtotal								105,560	10,556	5,278	\$11,482,553	\$11,937,702	4,327	
4. Recordkeeping Requirements														
A. Read Instructions	Included in 3a													
B. Implement Activities	na													
C. Develop Record System	na													e
D. Record Information														
1) Records of Operating Parameter Values	20	\$0	\$0	\$0	1	20	573	11,460	1,146	573	\$1,246,590	\$0	0	c, h
2) Records of Deviations	15	\$0	\$0	\$0	1	15	573	8,595	860	430	\$934,943	\$0	0	c, h
3) Records of Stack Tests	2	\$0	\$0	\$0	1	2	573	1,146	115	57	\$124,659	\$0	0	c, h
<ol> <li>Records of Monitoring Device Calibrations</li> </ol>	2	\$0	\$0	\$0	1	2	573	1,146	115	57	\$124,659	\$0	0	c, h
5) Records of All Compliance Reports Submitted	2	\$0	\$0	\$0	2	4	4,039	16,156	1,616	808	\$1,757,409	\$0	0	С
6) Records of Monthly Fuel Use	0.5	\$0	\$0	\$0	12	6	573	3,438	344	172	\$373,977	\$0	0	c, h
E. Personnel Training	na													
F. Time for Audits	na													
Recordkeeping Subtotal								41,941	4,194	2,097	4,562,237	0	0	
Totals								147,501	14,750	7,375	\$16,044,790	\$11,937,702	4,327	

a The burden on existing sources to read and understand rule requirements, and submit an initial notification were assumed to all occur in year 1.

b Cost includes taking an inventory of facility equipment including age, operating schedules, square feet of the facility and other details necessary for preparing for the audit pre-screening, attending the energy audit, and reviewing audit report from the audit professional.

c Since existing units have three years after the publication date of the final rule to submit initial notification of compliance status, conduct compliance activities, or meet recordkeeping or reporting requirements, it is assumed that half the affected units will conduct an audit, testing and monitoring plan development in year 2 and half will conduct them in year 3 in order to be in compliance by the third year after promulgation. Initial Notification of Compliance Reports and recordkeeping requirements will not begin until year 3 of this ICR.

d Cost per occurrence for energy audit professionals including an phone screening to discuss the facility prior to a visit, a 2 to 4 hour site visit, and an additional 2-4 hours to prepare a follow-up report on recommendations and findings. Cost depends on whether the source is industrial or commercial. It is assumed that 10% will be industrial and 90% will be commercial sources. These site visits are assumed to be conducted by certified energy professionals.

e Assumes facility must already maintain records on boiler insurance and/or maintenance schedule. No new record system would be required.

f All existing large solid units must conduct energy audits.

g Existing large coal units are expected to determine compliance through stack testing and not fuel analysis

h Only existing large coal units have mercury and CO limits.

i Existing large biomass units are subject to the biennial tune-up

# Table 2.A. Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers - Year 1, Existing Large Liquid Fuel Units

	5 All T Ollutur		7.0					. oa, _	juoting =u	90 - 90.0				
Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	per	(C) Tune-Up Cost per Occurrence	Non-Labor Costs Per	(E) Number of Occurrence s Per Respondent Per Year	Respondent		Year @	(I) Clerical Hours per Year @ \$48.53 (H X 0.1)	(J) Managemen t Hours per Year @ \$114.49 (H X .05)	(K) Total Labor Costs Per Year	(L) Total Non-Labor Annual Costs	(M) Total Number of Responses per Year (E X G)	Footnotes
1. Applications	na													
2. Surveys and Studies	na													
3. Reporting Requirements														
A. Read and Understand Rule Requirements	40	\$0	\$0	\$0	1	40	4,615	184,600	18,460	9,230	\$20,080,327	\$0	0	a
B. Required Activities														
1. Conduct Energy Audit														
a) Industrial	20	\$18,292	\$0	\$0	1	20	0	0	0	0	\$0	\$0	0	b, c, d
b) Commercial	20	\$854	\$0	\$0	1	20	0	0	0	0	\$0	\$0	0	b, c, d
2. Biennial Tune-Up	12	\$0	\$2,875	\$0	0.5	6	0	0	0	0	\$0	\$0	0	С
C. Create Information	na													
D. Gather Information	na													
E. Report Preparation														
1) Initial Notification that Source is Subject	2	\$0	\$0	\$0	1	2	4,615	9,230	923	462	\$1,004,016	\$0	4,615	а
2) Notification of Compliance Status	8	\$0	\$0	\$0	1	8	0	0	0	0	\$0	\$0	0	С
3) Biennial Compliance Report	5	\$0	\$0	\$0	0.5	2.5	0	0	0	0	\$0	\$0	0	С
Reporting Subtotal								193,830	19,383	9,692	\$21,084,343	\$0	4,615	
4. Recordkeeping Requirements														
A. Read Instructions	Included in 3a													
B. Implement Activities	na													
C. Develop Record System	na													е
D. Record Information														
1) Records of All Compliance Reports Submitted	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0	0	С
2) Records of Biennial Tune-Up	0.5	\$0	\$0	\$0	0.5	0.25	0	0	0	0	\$0	\$0	0	С
E. Personnel Training	na													
F. Time for Audits	na													
Recordkeeping Subtotal								0	0	0	\$0	\$0	0	
Totals								193,830	19,383	9,692	\$21,084,343	\$0	4,615	

a Number of respondents based on number of existing large solid fuel boilers which includes biomass and coal units greater than 10 mmBtu/hr (assumption of 2 units per facility).

b Cost includes taking an inventory of facility equipment including age, operating schedules, square feet of the facility and other details necessary for preparing for the audit pre-screening, attending the energy audit, and reviewing audit report from the audit professional.

c Since existing units have three years after the publication date of the final rule to submit initial notification of compliance status, conduct compliance activities, or meet recordkeeping or reporting requirements, it is assumed that half the affected units will conduct an audit, testing and monitoring plan development in year 2 and half will conduct them in year 3 in order to be in compliance by the third year after promulgation. Initial Notification of Compliance Reports and recordkeeping requirements will not begin until year 3 of this ICR.

d Cost per occurrence for energy audit professionals including an phone screening to discuss the facility prior to a visit, a 2 to 4 hour site visit, and an additional 2-4 hours to prepare a follow-up report on recommendations and findings. Cost depends on whether the source is industrial or commercial. It is assumed that 10% will be industrial and 90% will be commercial sources. These site visits are assumed to be conducted by certified energy professionals.

# Table 2.B. Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers - Year 2, Existing Large Liquid Fuel Units

				maaoanan	Commercial	una motita	ational Bollers		aoung Eu	ge Eigaia i	der ennte			
Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	per	(C) Tune-Up Cost per Occurrence	Costs Per	(E) Number of Occurrences Per Respondent Per Year	(F) Technical Hours per Respondent Per Year (A X E)	(G) Number of Respondents Per Year	(H) Technical Hours per Year @ \$98.20 (F X G)	(I) Clerical Hours per Year @ \$48.53 (H X 0.1)	(J) Managemen t Hours per Year @ \$114.49 (H X .05)	(K) Total Labor Costs Per Year	(L) Total Non-Labor Annual Costs	(M) Total Number of Responses per Year (E X G)	Footnotes
1. Applications	na													
2. Surveys and Studies	na													
3. Reporting Requirements														
A. Read and Understand Rule Requirements	40	\$0	\$0	\$0	1	40	0	0	0	0	\$0	\$0	0	a
B. Required Activities														
1. Conduct Energy Audit														
a) Industrial	20	\$18,292	\$0	\$0	1	20	461	9,220	922	461	\$1,002,929	\$8,432,612	0	b, c, d
b) Commercial	20	\$854	\$0	\$0	1	20	4,154	83,080	8,308	4,154	\$9,037,235	\$3,547,516	0	b, c, d
2. Biennial Tune-Up	12	\$0	\$2,875	\$0	0.5	6	4,615	27,690	2,769	1,385	\$3,012,049	\$6,634,063	0	С
C. Create Information	na													
D. Gather Information	na													
E. Report Preparation														
1) Initial Notification that Source is Subject	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0	0	a
2) Notification of Compliance Status	8	\$0	\$0	\$0	1	8	0	0	0	0	\$0	\$0	0	С
3) Biennial Compliance Report	5	\$0	\$0	\$0	0.5	2.5	0	0	0	0	\$0	\$0	0	С
Reporting Subtotal								119,990	11,999	6,000	\$13,052,212	\$18,614,191	0	
4. Recordkeeping Requirements														
A. Read Instructions	Included in 3a													
B. Implement Activities	na													
C. Develop Record System	na													e
D. Record Information														
1) Records of All Compliance Reports Submitted	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0	0	С
2) Records of Biennial Tune-Up	0.5	\$0	\$0	\$0	0.5	0.25	0	0	0	0	\$0	\$0	0	С
E. Personnel Training	na													
F. Time for Audits	na													
Recordkeeping Subtotal								0	0	0	\$0	\$0	0	
Totals								119,990	11,999	6,000	\$13,052,212	\$18,614,191	0	

a The burden on existing sources to read and understand rule requirements, and submit an initial notification were assumed to all occur in year 1.

b Cost includes taking an inventory of facility equipment including age, operating schedules, square feet of the facility and other details necessary for preparing for the audit pre-screening, attending the energy audit, and reviewing audit report from the audit professional.

c Since existing units have three years after the publication date of the final rule to submit initial notification of compliance status, conduct compliance activities, or meet recordkeeping or reporting requirements, it is assumed that half the affected units will conduct an audit, testing and monitoring plan development in year 2 and half will conduct them in year 3 in order to be in compliance by the third year after promulgation. Initial Notification of Compliance Reports and recordkeeping requirements will not begin until year 3 of this ICR.

d Cost per occurrence for energy audit professionals including an phone screening to discuss the facility prior to a visit, a 2 to 4 hour site visit, and an additional 2-4 hours to prepare a follow-up report on recommendations and findings. Cost depends on whether the source is industrial or commercial. It is assumed that 10% will be industrial and 90% will be commercial sources. These site visits are assumed to be conducted by certified energy professionals.

Table 2.C. Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the National Emission Standards
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for	Hazardous A	ir Pollutants	(NESHAP) f	or Industria	l, Commercia	d, and Institu	utional Boiler	s - Year 3, E	Existing Lar	ge Liquid Fue	el Units		-	
Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Certified Energy Audit Cost per Occurrence	(C) Tune-Up Cost per Occurrence	(D) Other Non-Labor Costs Per Occurrence	(E) Number of Occurrences Per Respondent Per Year	`Hours per	(G) Number of Respondents Per Year	(H) Technical Hours per Year @ \$98.20 (F X G)	(I) Clerical Hours per Year @ \$48.53 (H X 0.1)	(J) Management Hours per Year @ \$114.49 (H X .05)	(K) Total Labor Costs Per Year	(L) Total Non-Labor Annual Costs	(M) Total Number of Responses per Year (E ≯ G)	ote
1. Applications	na							,	, í					1
2. Surveys and Studies	na													
3. Reporting Requirements														-
A. Read and Understand Rule Requirements	40	\$0	\$0	\$0	1	40	0	0	0	0	\$0	\$0	0	a
B. Required Activities														
1. Conduct Energy Audit														
a) Industrial	20	\$18,292	\$0	\$0	1	20	461	9,220	922	461	\$1,002,929	\$8,432,612	0	b, c, d
b) Commercial	20	\$854	\$0	\$0	1	20	4,153	83,060	8,306	4,153	\$9,035,059	\$3,546,662	0	b, c, d
2. Biennial Tune-Up	12	\$0	\$2,875	\$0	0.5	6	4,614	27,684	2,768	1,384	\$3,011,396	\$6,632,625	0	С
C. Create Information	na													
D. Gather Information	na													
E. Report Preparation														
<ol> <li>Initial Notification that Source is Subject</li> </ol>	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0	0	a
2) Notification of Compliance Status	8	\$0	\$0	\$0	1	8	4,615	36,920	3,692	1,846	\$4,016,065	\$0	4,615	С
<ol> <li>Biennial Compliance Report</li> </ol>	5	\$0	\$0	\$0	0.5	2.5	4,615	11,538	1,154	577	\$1,255,020	\$0	2,308	С
Reporting Subtotal								168,422	16,842	8,421	\$18,320,470	\$18,611,899	6,923	
<ol> <li>Recordkeeping Requirements</li> </ol>														
A. Read Instructions	Included in 3a													
B. Implement Activities	na													
C. Develop Record System	na													е
D. Record Information														
<ol> <li>Records of All Compliance Reports Submitted</li> </ol>	2	\$0	\$0	\$0	1	2	9,229	18,458	1,846	923	\$2,007,815	\$0	0	С
2) Records of Biennial Tune-Up	0.5	\$0	\$0	\$0	0.5	0.25	9,229	2,307	231	115	\$250,977	\$0	0	С
E. Personnel Training	na													
F. Time for Audits	na													
Recordkeeping Subtotal								20,765	2,077	1,038	\$2,258,792	\$0	0	
Totals								189,187	18,919	9,459	\$20,579,262	\$18,611,899	6,923	

a The burden on existing sources to read and understand rule requirements, and submit an initial notification were assumed to all occur in year 1.

b Cost includes taking an inventory of facility equipment including age, operating schedules, square feet of the facility and other details necessary for preparing for the audit pre-screening, attending the energy audit, and reviewing audit report from the audit professional.

c Since existing units have three years after the publication date of the final rule to submit initial notification of compliance status, conduct compliance activities, or meet recordkeeping or reporting requirements, it is assumed that half the affected units will conduct an audit, testing and monitoring plan development in year 2 and half will conduct them in year 3 in order to be in compliance by the third year after promulgation. Initial Notification of Compliance Reports and recordkeeping requirements will not begin until year 3 of this ICR.

d Cost per occurrence for energy audit professionals including an phone screening to discuss the facility prior to a visit, a 2 to 4 hour site visit, and an additional 2-4 hours to prepare a follow-up report on recommendations and findings. Cost depends on whether the source is industrial or commercial. It is assumed that 10% will be industrial and 90% will be commercial sources. These site visits are assumed to be conducted by certified energy professionals.

#### Table 3.A. Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters - Year 1, New Large Solid Fuel Units

for Hazardous Air F	-onutants (I	VESHAP) 10	muusinal,	Commercial	, anu mstitu	uonai boilers	anu Pioc	ess neal	eis - redf 1	L, New Large S	onu Fuel Oni	15	-
Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Stack Testing and Fuel Analysis Cost Per Occurrence	(C) Non-Labor Costs Per Occurrence	(D) Number of Occurrences Per Respondent Per Year	(E) Technical Hours per Respondent Per Year (A X D)	(F) Number of Respondents Per Year	(G) Technical Hours per Year @ \$98.20 (F X G)	Hours per Year @	(I) Manageme nt Hours per Year @ \$114.49 (H X .05)	(J) Total Labor Costs Per Year	(K) Total Non- Labor Annual Cost	(L) Total Number of Responses per Year (D X F)	cootnotes
1. Applications	,	occurrence	Occurrence	reiteal		reiteal	_ ^ ()	)	∧.00)	CUSIS FEI TEdi	CUSI		
	na												
2. Surveys and Studies	na												
3. Reporting Requirements	40	<b>*</b> 0	<b>*</b> 0		40	10	400	10		A 10 511	<b>AA</b>		
A. Read and Understand Rule Requirements	40	\$0	\$0	1	40	10	400	40	20	\$43,511	\$0	0	a, b
B. Required Activities	10	<b>#0.000</b>	<b>*</b> 0	1	10		40			<b>#F 001</b>	<b>*</b> 0	0	
1. Initial Stack Test and Report (for PM)	12	\$8,000	\$0	1	12 12	4	48	5	2	\$5,221	\$0	0	b, c
2. Initial Stack Test and Report (for Hg)	12	\$5,000	\$0	1		0	0	0	0	\$0	\$0	0	b, c, g
3. Initial Stack Test and Report (for CO)	12	\$6,000	\$0	1	12	0	0	0	0	\$0	\$0	0	b, g
4. Annual Stack Test and Report (for PM)	12	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0	0	d
5. Annual Stack Test and Report (for Hg)	12	\$5,000	\$0	1	12	0	0	0	0	\$0	\$0	0	b, c, g
6. Annual Stack Test and Report (for CO)	12	\$6,000	\$0	1	12	0	0	0	0	\$0	\$0	0	d, g
7. Initial Fuel Analysis for Mercury Content	5	\$200	\$0	1	5	0	0	0	0	\$0	\$0	0	b, c
8. Monthly Fuel Analysis for Mercury Content	5	\$200	\$0	12	60	0	0	0	0	\$0	\$0	0	c, d
9. Continuous Parameter Monitoring	10	<b>*</b> 0	<b>*</b> 0		10		100	4.0		<b>*</b> 17 101	<b>*</b>	-	
Establish Site-specific monitoring plan (all)	40	\$0	\$0	1	40	4	160	16	8	\$17,404	\$0	0	е
Opacity			+ + + + + + + + + + + + + + + + + + + +						-			-	
a) initial	10	\$0	\$43,100	1	10	4	40	4	2	\$4,351	\$172,400	0	f
b) annual	10	\$0	\$14,700	1	10	4	40	4	2	\$4,351	\$58,800	0	f
Bag Leak Detection System Operation (all sources that have fabric filters)													
a) initial	10	\$0	\$25,500	1	10	0	0	0	0	\$0	\$0	0	f
b) annual	10	\$0	\$9,700	1	10	0	0	0	0	\$0	\$0	0	f
C. Create Information	na												
D. Gather Information	na												
E. Report Preparation													
<ol> <li>Initial Notification that Source is Subject</li> </ol>	2	\$0	\$0	1	2	10	20	2	1	\$2,176	\$0	10	a, b
2) Notification of Compliance Status	8	\$0	\$0	1	8	10	80	8	4	\$8,702	\$0	10	a, b
3) Annual Compliance Report	30	\$0	\$0	1	30	10	300	30	15	\$32,633	\$0	10	a
Reporting Subtotal							1,048	105	52	\$113,999	\$58,800	30	
4. Recordkeeping Requirements													
A. Read Instructions	see 3.A												
B. Implement Activities	na												
C. Develop Record System	na												
D. Record Information													
1) Records of Operating Parameter Values	20	\$0	\$0	1	20	20	400	40	20	\$43,511	\$0	0	a, c
2) Records of Deviations	15	\$0	\$0	1	15	20	300	30	15	\$32,633	\$0	0	a, c
3) Records of Stack Tests	2	\$0	\$0	1	2	20	40	4	2	\$4,351	\$0	0	a, c
<ol> <li>Records of Monitoring Device Calibrations</li> </ol>	2	\$0	\$0	1	2	20	40	4	2	\$4,351	\$0	0	a, c
5) Records of All Compliance Reports Submitted	2	\$0	\$0	2	4	20	80	8	4	\$8,702	\$0	0	a, c
6) Records of Monthly Fuel Use	0.5	\$0	\$0	12	6	20	120	12	6	\$13,053	\$0	0	a, c
E. Personnel Training	na												
E. Times for Audite													
F. Time for Audits	na												
F. Time for Audits Subtotal Recordkeeping	na						980	98	49	\$106,602	\$0	0	

a The total number of new large solid fuel boilers estimated in the first 3 years of this rule is 60. In order to calculate a per year estimate of the number of boilers required to meet these rule requirements, the number of projected boilers is divided by 3, or 20 boilers per year. Assuming 2 unit per facility, 10 new facilities will be subject per year.

b A one-time requirement.

c All projected large solid fuel units expected to comply through stack testing instead of the fuel testing compliance option. Only units less than 30 mmBtu/hr that are not subject to PM limits under the NSPS (40 CFR part 60 subparts Db, Dc) will incur additional testing, monitoring, recordkeeping and reporting costs under this rule.

d No annual test and reporting burden is shown in year 1 as this is the same year as the initial test and report.

e If you demonstrate compliance with any applicable emission limit through stack testing, you must develop a site-specific monitoring plan. All new large solid fuel units are expected to develop this plan.

f All new coal units greater than 10 mmBtu/hr are expected to install fabric filters and equipped with bag leak detection (BLD) systems instead of opacity monitors. Since biomass units are expected to meet PM limits with an ESP, an opacity monitor is required instead of a BLD. There are no new large coal units projected to be installed.

g Only coal boilers are subject to numerical mercury and CO limits and are required to test. No new large coal units are projected.

#### Table 3.B. Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters - Year 2, New Large Solid Fuel Units

Ioi Huzui uous Ali	Poliulants (	NESHAP) 10	r muusinai,	Commercia	, anu msutu	tional bollers	anu Pioc	ess neale	15 - Teal 2	2, New Large S		1.5	
Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Stack Testing and Fuel Analysis Cost Per Occurrence	(C) Non-Labor Costs Per Occurrence	(D) Number of Occurrences Per Respondent Per Year	(E) Technical Hours per Respondent Per Year (A X D)	(F) Number of Respondents Per Year	(G) Technical Hours per Year @ \$98.20 (F X G)	(H) Clerical Hours per Year @ \$48.53 (H X 0.1)	(I) Manageme nt Hours per Year @ \$114.49 (H X .05)	(J) Total Labor Costs Per Year	(K) Total Non- Labor Annual Cost	(L) Total Number of Responses per Year (D X F)	ootnotes
	,	Occurrence	Occurrence	Per Year	D)	Per rear	XG)	X 0.1)	(H X .05)	Cosis Per Year	Cost	rear (DXF)	┶┶
1. Applications	na												
2. Surveys and Studies	na												
3. Reporting Requirements													<u> </u>
A. Read and Understand Rule Requirements	40	\$0	\$0	1	40	10	400	40	20	\$43,511	\$0	0	a, b
B. Required Activities													
<ol> <li>Initial Stack Test and Report (for PM)</li> </ol>	12	\$8,000	\$0	1	12	4	48	5	2	\$5,221	\$32,000	0	b, c
<ol><li>Initial Stack Test and Report (for Hg)</li></ol>	12	\$5,000	\$0	1	12	0	0	0	0	\$0	\$0	0	b, c, g
<ol><li>Initial Stack Test and Report (for CO)</li></ol>	12	\$6,000	\$0	1	12	0	0	0	0	\$0	\$0	0	b, g
<ol><li>Annual Stack Test and Report (for PM)</li></ol>	12	\$8,000	\$0	1	12	4	48	5	2	\$5,221	\$32,000	0	d
<ol><li>Annual Stack Test and Report (for Hg)</li></ol>	12	\$5,000	\$0	1	12	0	0	0	0	\$0	\$0	0	b, c, g
<ol><li>Annual Stack Test and Report (for CO)</li></ol>	12	\$6,000	\$0	1	12	0	0	0	0	\$0	\$0	0	d, g
<ol><li>Initial Fuel Analysis for Mercury Content</li></ol>	5	\$200	\$0	1	5	0	0	0	0	\$0	\$0	0	b, c
<ol><li>Monthly Fuel Analysis for Mercury Content</li></ol>	5	\$200	\$0	12	60	0	0	0	0	\$0	\$0	0	c, d
9. Continuous Parameter Monitoring													
Establish Site-specific monitoring plan (all)	40	\$0	\$0	1	40	4	160	16	8	\$17,404	\$0	0	е
Opacity													
a) initial	10	\$0	\$43,100	1	10	4	40	4	2	\$4,351	\$172,400	0	f
b) annual	10	\$0	\$14,700	1	10	4	40	4	2	\$4,351	\$58,800	0	f
Bag Leak Detection System Operation (all sources that have fabric filters)													
a) initial	10	\$0	\$25,500	1	10	0	0	0	0	\$0	\$0	0	f
b) annual	10	\$0	\$9,700	1	10	0	0	0	0	\$0	\$0	0	f
C. Create Information	na												
D. Gather Information	na												
E. Report Preparation													
1) Initial Notification that Source is Subject	2	\$0	\$0	1	2	10	20	2	1	\$2,176	\$0	10	a, b
2) Notification of Compliance Status	8	\$0	\$0	1	8	10	80	8	4	\$8,702	\$0	10	a, b
3) Annual Compliance Report	30	\$0	\$0	1	30	20	600	60	30	\$65,267	\$0	20	a
Reporting Subtotal		**	+0	-			1,396	140	70	\$151,853	\$122,800	40	
4. Recordkeeping Requirements							2,000	2.0		+101,000	+122,000		-
A. Read Instructions	see 3.A												
B. Implement Activities	na												+
C. Develop Record System	na												+
D. Record Information	, iu												+
1) Records of Operating Parameter Values	20	\$0	\$0	1	20	40	800	80	40	\$87,022	\$0	0	a, c
2) Records of Deviations	15	\$0	\$0 \$0	1	15	40	600	60	30	\$65,267	\$0	0	a, c a, c
3) Records of Stack Tests	2	\$0	\$0	1	2	40	80	8	4	\$8,702	\$0	0	a, c a, c
4) Records of Monitoring Device Calibrations	2	\$0	\$0 \$0	1	2	40	80	8	4	\$8,702	\$0	0	a, c a, c
5) Records of All Compliance Reports Submitted	2	\$0 \$0	\$0 \$0	2	4	40	160	0 16	8	\$17.404	\$0	0	a, c a, c
, , , ,	0.5	\$0 \$0	\$0 \$0	12	6	40	240	24	8 12	\$17,404 \$26,107	\$0	0	
6) Records of Monthly Fuel Use		<u>۵</u> 0	<u>۵</u> 0	12	0	40	240	24	12	\$20,1U7	\$0	U	a, c
E. Personnel Training	na												+
F. Time for Audits	na						4.635	4.00	0.0	#046 55 ·	-		+
Subtotal Recordkeeping							1,960	196	98	\$213,204	\$0	0	—
Totals						<u> </u>	3,356	336	168	\$365,057	\$122,800	40	

a The total number of new large solid fuel boilers estimated in the first 3 years of this rule is 60. In order to calculate a per year estimate of the number of boilers required to meet these rule requirements, the number of projected boilers is divided by 3, or 20 boilers per year. Assuming 2 unit per facility, 10 new facilities will be subject per year.

b A one-time requirement.

c All projected large solid fuel units expected to comply through stack testing instead of the fuel testing compliance option. Only units less than 30 mmBtu/hr that are not subject to PM limits under the NSPS (40 CFR part 60 subparts Db, Dc) will incur additional testing, monitoring, recordkeeping and reporting costs under this rule.

d Subsequent annual testing in year 2 are based on the number of sources that had an initial test in year 1 of this ICR. Subsequent semi-annual compliance reporting and recordkeeping requirements are based on the number of new sources in years 1 and 2 of thi

e If you demonstrate compliance with any applicable emission limit through stack testing, you must develop a site-specific monitoring plan. All new large solid fuel units are expected to develop this plan.

f All new coal units greater than 10 mmBtu/hr are expected to install fabric filters and equipped with bag leak detection (BLD) systems instead of opacity monitors. Since biomass units are expected to meet PM limits with an ESP, an opacity monitor is required instead of a BLD. There are no new large coal units projected to be installed.

g Only coal boilers are subject to numerical mercury and CO limits and are required to test. No new large coal units are projected.

#### Table 3.C. Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters - Year 3, New Large Solid Fuel Units

for Hazardous Air F	-Onutants (N	ESHAP) IUI	muusinai, C	Jonnierciai,	anu mstitut	Ullai Dulleis	anu Proce	SS HEALE	<u>3 - Tear 3</u> ,	New Large 30		) 	-
Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Stack Testing and Fuel Analysis Cost Per Occurrence	(C) Non-Labor Costs Per Occurrence	(D) Number of Occurrences Per Respondent Per Year	(E) Technical Hours per Respondent Per Year (A X D)	(F) Number of Respondents Per Year	(G) Technical Hours per Year @ \$98.20 (F X G)		(I) Manageme nt Hours per Year @ \$114.49 (H X .05)	(J) Total Labor Costs Per Year	(K) Total Non- Labor Annual Cost	(L) Total Number of Responses per Year (D X F)	Footnotes
1. Applications	na				Í		, , , , , , , , , , , , , , , , , , ,	í í	Í				
2. Surveys and Studies	na												
3. Reporting Requirements													
A. Read and Understand Rule Requirements	40	\$0	\$0	1	40	10	400	40	20	\$43.511	\$0	0	a, b
B. Required Activities		+0	<b>*</b> •	-						+ 10,011	+0		u, 2
1. Initial Stack Test and Report (for PM)	12	\$8.000	\$0	1	12	3	36	4	2	\$3,916	\$24.000	0	b, c
2. Initial Stack Test and Report (for Hg)	12	\$5,000	\$0	1	12	0	0	0	0	\$0	\$0	0	b, c, c
3. Initial Stack Test and Report (for CO)	12	\$6,000	\$0	1	12	0	0	0	0	\$0	\$0	0	b, c, g
4. Annual Stack Test and Report (for PM)	12	\$8,000	\$0	1	12	8	96	10	5	\$10,443	\$64,000	0	d d
5. Annual Stack Test and Report (for Hg)	12	\$5,000	\$0	1	12	0	0	0	0	\$0	\$0	0	b, c, ç
6. Annual Stack Test and Report (for CO)	12	\$6,000	\$0	1	12	0	0	0	0	\$0	\$0	0	d, g
7. Initial Fuel Analysis for Mercury Content	5	\$200	\$0	1	5	0	0	0	0	\$0	\$0	0	b, c
8. Monthly Fuel Analysis for Mercury Content	5	\$200	\$0	12	60	0	0	0	0	\$0	\$0	0	c, d
9. Continuous Parameter Monitoring	5	φ200	ΨΟ	12	00	0	0	0	0	<b>4</b> 0	φυ	0	0, 0
Establish Site-specific monitoring plan (all)	40	\$0	\$0	1	40	3	120	12	6	\$13,053	\$0	0	е
Opacity	40	Ψ0	Ψ0	-	40	5	120	12	0	\$13,033	Ψ0	0	
a) initial	10	\$0	\$43,100	1	10	3	30	3	2	\$3,263	\$129,300	0	f
b) annual	10	\$0	\$14,700	1	10	3	30	3	2	\$3,263	\$44,100	0	f
	10	φυ	\$14,700	1	10	3		3	2	\$3,203	\$44,100	0	
Bag Leak Detection System Operation (all sources that have fabric filters)													
a) initial	10	\$0	\$25,500	1	10	0	0	0	0	\$0	\$0	0	f
b) annual	10	\$0	\$25,500	1	10	0	0	0	0	\$0	\$0	0	f
C. Create Information	na	φυ	\$9,700	1	10	0	0	0	0	40	φU	0	1
D. Gather Information	na												
E. Report Preparation	lia												
1) Initial Notification that Source is Subject	2	\$0	\$0	1	2	10	20	2	1	\$2,176	\$0	10	a h
2) Notification of Compliance Status	8	\$0 \$0	\$0	1	8	10	80	8	4	\$2,176	\$0	10	a, b a, b
,	30	\$0	\$0	1	30	30	900	90	4	\$97,900	\$0 \$0	30	
3) Annual Compliance Report	30	\$0	\$0	1	30	30	900	90 168	45 84	. ,	\$0	30 50	a
Reporting Subtotal 4. Recordkeeping Requirements							1,082	108	84	\$182,964	\$132,100	50	
A. Read Instructions													
B. Implement Activities	see 3.A												
•	na												
C. Develop Record System D. Record Information	na												
	20	<b>#</b> 0	¢0	1	20	<u> </u>	1 200	100	0.0	¢100 F00	¢0	0	-
1) Records of Operating Parameter Values		\$0 \$0	\$0 \$0	1	20	60	1,200	120	60	\$130,533	\$0	0	a, c
2) Records of Deviations	15	\$0		1	15	60 60	900	90 12	45	\$97,900	\$0	0	a, c
3) Records of Stack Tests	2	+ -	\$0	1	2		120		6	\$13,053	\$0	0	a, c
4) Records of Monitoring Device Calibrations	2	\$0	\$0	1	2	60	120	12	6	\$13,053	\$0	0	a, c
5) Records of All Compliance Reports Submitted	2	\$0	\$0	2	4	60	240	24	12	\$26,107	\$0	0	a, c
6) Records of Monthly Fuel Use	0.5	\$0	\$0	12	6	60	360	36	18	\$39,160	\$0	0	a, c
E. Personnel Training	na												-
F. Time for Audits	na												
Subtotal Recordkeeping							2,940	294	147	\$319,806	\$0	0	
Totals							4,622	462	231	\$502,770	\$132,100	50	

a The total number of new large solid fuel boilers estimated in the first 3 years of this rule is 60. In order to calculate a per year estimate of the number of boilers required to meet these rule requirements, the number of projected boilers is divided by 3, or 20 boilers per year. Assuming 2 unit per facility, 10 new facilities will be subject per year.

b A one-time requirement.

c All projected large solid fuel units expected to comply through stack testing instead of the fuel testing compliance option. Only units less than 30 mmBtu/hr that are not subject to PM limits under the NSPS (40 CFR part 60 subparts Db, Dc) will incur additional testing, monitoring, recordkeeping and reporting costs under this rule.

d Subsequent annual testing in year 2 are based on the number of sources that had an initial test in year 1 of this ICR. Subsequent semi-annual compliance reporting and recordkeeping requirements are based on the number of new sources in years 1 and 2 of

e If you demonstrate compliance with any applicable emission limit through stack testing, you must develop a site-specific monitoring plan. All new large solid fuel units are expected to develop this plan.

f All new coal units greater than 10 mmBtu/hr are expected to install fabric filters and equipped with bag leak detection (BLD) systems instead of opacity monitors. Since biomass units are expected to meet PM limits with an ESP, an opacity monitor is required instead of a BLD. There are no new large coal units projected to be installed.

g Only coal boilers are subject to numerical mercury and CO limits and are required to test. No new large coal units are projected.

# Table 4.A. Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters - Year 1, New Large Liquid Fuel Units

2) Notification of Compliance Status       8       \$0       \$0       1       8       81       648       65       32       \$70,488       \$0       81       a, b         3) Annual Compliance Report       30       \$0       \$0       \$0       \$0       \$0       \$0       1       30       81       2,430       243       122       \$264,329       \$0       81       a         Reporting Subtorial           13,284       1,328       664       \$1,445,000       \$3,602,400       \$243          4. Recordkeeping Requirements	for Hazardous Air	Fundants		ว่า เท็นนรถาสก		u, anu msuu	LIUTIAI DUITEI	S and FIOC	ess meate	13 - Tear I, T	vew Large Liqu			-
1. Applications 5. Surveys and Studies' and 3. Reporting Requirementsna<	Durden kom	Respondent Hours per Occurrence (Technical	Stack Testing and Fuel Analysis Cost Per	Non-Labor Costs Per	Number of Occurrences Per Respondent	Technical Hours per Respondent Per Year (A X	Number of Respondents	Technical Hours per Year @ \$98.20 (F	Clerical Hours per Year @ \$48.53 (H	Management Hours per Year @ \$114.49 (H X	Total Labor	Total Non-Labor	Number of Responses per	ootnotes
2. Surveys and Studies         na         na<		,	Occurrence	Occurrence	Per rear	D)	Pertear	XG)	X 0.1)	.05)	Cosis Per Year	Annual Cost	rear (D X F)	ЦĹ
3. Report informanceind														
A. Read and Understand Rule Requirements         40         50         50         1         40         81         3240         3242         152         5352.439         50         0         a. b.           B. Required Activities         Imited Stack Test and Report (for PM)         12         58.000         50         1         122         162         1.944         194         97         521.1463         \$1.268.000         0         0         0         0         50         50         0         0         0         0         0         0         50         0 </td <td></td> <td>na</td> <td></td>		na												
B. Required Activities     Intra lark Test and Report (for PM)     12     \$80.00     \$0     1     12     162     1.944     940     97     \$21.1.63     \$1.2.600     0.0     0.0     0.0     0.0     \$0.0<					-								-	
1. Initial Stack Test and Report (for PM)         12         \$8,000         30         1         12         162         1,94         194         97         \$211,463         \$1,260,000         0         0         0           2. Annual Stack Test and Report (for PM)         12         \$8,000         \$0         1         12         0         0         0         0         \$0		40	\$0	\$0	1	40	81	3,240	324	162	\$352,439	\$0	0	a, b
2. Annual Stack Test and Report (or PM)     12     82.000     10     12     0     0     0     0     90     90     0     0       3. Continuous Parameter Monitoring     40     50     50     1     40     81     32.04     102     532.439     50     0     6       Opacity     10     50     530.01     11     10     147     1470     147     74     5159.003     563.35.700     00     5       0.00 and sinter Status Machine Mathematic Milers)     10     50     514.000     1     10     147     1470     147     74     5159.003     52.0500     0     5       10 annual     10     50     55.000     1     10     15     15     8     516.317     532.500     0     5       10 annual     10     50     55.000     1     10     15     15     8     516.317     532.500     0     1       10 annual contenta Machine Mathematic Miters)     10     50     50     15     58     517.622     50     1     1       10. Gather Information     na     7     50     50     1     2     51     58     517.622     50     61     8     8     <														
3. Continuous Parameter Monitoring         Image: Monitoring plan (all)         Monitoring plan (all )         Monit          Monitoring plan (all )									-				-	
Establish Site specific monitoring plan (all)         40         80         80         80         90         90         90           Opacity         10         80         843.100         11         100         147         1470         147         74         815.903         86.335.700         00           a) initial         100         80         843.100         11         100         147         1470         147         74         815.903         86.335.700         00         0           a) initial         100         80         \$25.500         1         100         155         150         155         8         \$16.317         \$382.500         0         0           b) annual         100         \$0         \$25.500         1         10         155         150         15         8         \$16.317         \$382.500         0           C. Create information         naa         .00         \$50         \$25.500         1         10         155         150         15         8         \$16.317         \$382.500         0         0           C. Create information         naa         .00         \$25.500         11         10         116         150		12	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0	0	d
Opacity         Opacity         Image														
a) initial         10         50         543,00         1         10         147         1470         147         74         \$159,903         \$63,35,700         0           Bag Leak Detection System Operation (all sources that have fabric filters)         10         \$0         \$14,700         11         100         147         1,470         147         74         \$159,903         \$63,35,700         0           a) initial baurces that have fabric filters)         10         \$0         \$25,500         1         100         155         150         155         8         \$16,317         \$382,500         0         0           b) annual         10         \$0         \$25,500         1         10         155         150         155         8         \$16,317         \$382,500         0         0           C. Create Information         na         10         \$0         \$50         10         150 <t< td=""><td></td><td>40</td><td>\$0</td><td>\$0</td><td>1</td><td>40</td><td>81</td><td>3,240</td><td>324</td><td>162</td><td>\$352,439</td><td>\$0</td><td>0</td><td>е</td></t<>		40	\$0	\$0	1	40	81	3,240	324	162	\$352,439	\$0	0	е
b) anual         10         \$0         \$14,70         \$1470         \$														
Bag Leak Detection System Operation (all sources that have fabric filters)         Image: Constraint of the filters)				. ,										
(all sources that have fabric filters)Image <td>b) annual</td> <td>10</td> <td>\$0</td> <td>\$14,700</td> <td>1</td> <td>10</td> <td>147</td> <td>1,470</td> <td>147</td> <td>74</td> <td>\$159,903</td> <td>\$2,160,900</td> <td>0</td> <td></td>	b) annual	10	\$0	\$14,700	1	10	147	1,470	147	74	\$159,903	\$2,160,900	0	
b) anual         10         \$0         \$9,700         1         10         15         150         15         8         \$16,317         \$145,500         0           C. Create Information         na         na <td></td>														
C. Create Information       na       na <t< td=""><td>a) initial</td><td>10</td><td>\$0</td><td>\$25,500</td><td>1</td><td>10</td><td>15</td><td>150</td><td>15</td><td>8</td><td>\$16,317</td><td>\$382,500</td><td>0</td><td></td></t<>	a) initial	10	\$0	\$25,500	1	10	15	150	15	8	\$16,317	\$382,500	0	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	b) annual	10	\$0	\$9,700	1	10	15	150	15	8	\$16,317	\$145,500	0	
E. Report Preparation         Image: Marce Mark Surger Subject         2         %0         %0         %1         2         81         162         16         8         \$17,622         \$0         81         a, b           2) Notification of Compliance Status         8         \$0         \$0         1         2         81         648         65         32         \$70,488         \$00         81         a, b           3) Annual Compliance Report         30         \$0         \$0         10         30         81         2,430         243         122         \$264,329         \$0         81         a, b           A record/negping Subtoral	C. Create Information	na												
1) Initial Notification that Source is Subject       2       \$0       \$0       1       2       81       162       16       8       \$17,622       \$0       81       a, b         2) Notification of Compliance Status       8       \$0       \$0       \$0       \$0       1       8       81       648       65       32       \$70,488       \$0       81       a, b         3) Annual Compliance Report       30       \$0       \$0       1       30       81       2,430       122       \$264,329       \$0       81       a, b         Reporting Subtotal          13,284       1,328       664       \$1,445,000       \$3,602,400       243       122       \$264,329       \$0       81       a, b         4. Recordkeeping Requirements	D. Gather Information	na												
2) Notification of Compliance Status       8       \$0       \$0       1       8       81       648       65       32       \$70,488       \$0       81       a, b         3) Annual Compliance Report       30       \$0       \$0       \$0       \$0       \$0       \$0       1       30       81       2,430       243       122       \$264,329       \$0       81       a         Reporting Subtotal          13,284       1,328       664       \$1,445,000       \$3,602,400       223       23         4. Recordkeeping Requirements	E. Report Preparation													
3) Annual Compliance Report       30       \$0       \$0       \$0       1       30       81       2,430       243       122       \$264,329       \$0       81       a         Reporting Subtoal	1) Initial Notification that Source is Subject	2	\$0	\$0	1	2	81	162	16	8	\$17,622	\$0	81	a, b
Reporting Subtotal         Image: Constraint of the set	2) Notification of Compliance Status	8	\$0	\$0	1	8	81	648	65	32	\$70,488	\$0	81	a, b
4. Recordkeeping RequirementsImage: See 3AImage: See 3	3) Annual Compliance Report	30	\$0	\$0	1	30	81	2,430	243	122	\$264,329	\$0	81	a
A. Read Instructions       see 3.A       Image of the sec of	Reporting Subtotal							13,284	1,328	664	\$1,445,000	\$3,602,400	243	
A. Read Instructions       see 3.A       Image of the sec of	4. Recordkeeping Requirements													
C. Develop Record SystemnaIma <td>A. Read Instructions</td> <td>see 3.A</td> <td></td>	A. Read Instructions	see 3.A												
D. Record Information         Image: Marcine M	B. Implement Activities	na												
D. Record Information         Image: Marcine M														
2) Records of Deviations       15       \$0       \$0       1       15       162       2,430       243       122       \$264,329       \$0       0       a         3) Records of Stack Tests       2       \$0       \$0       1       2       162       324       32       16       \$35,244       \$0       0       a         4) Records of Monitoring Device Calibrations       2       \$0       \$0       1       2       162       324       32       16       \$35,244       \$0       0       a         5) Records of All Compliance Reports Submitted       2       \$0       \$0       2       4       162       648       65       32       \$70,488       \$0       0       a         6) Records of Monthly Fuel Use       0.5       \$0       \$0       12       6       162       972       97       49       \$105,732       \$0       0       a         E. Personnel Training       na	D. Record Information													
2) Records of Deviations       15       \$0       \$0       1       15       162       2,430       243       122       \$264,329       \$0       0       a         3) Records of Stack Tests       2       \$0       \$0       1       2       162       324       32       16       \$35,244       \$0       0       a         4) Records of Monitoring Device Calibrations       2       \$0       \$0       1       2       162       324       32       16       \$35,244       \$0       0       a         5) Records of All Compliance Reports Submitted       2       \$0       \$0       2       4       162       648       65       32       \$70,488       \$0       0       a         6) Records of Monthly Fuel Use       0.5       \$0       \$0       12       6       162       972       97       49       \$105,732       \$0       0       a         E. Personnel Training       na	1) Records of Operating Parameter Values	20	\$0	\$0	1	20	162	3,240	324	162	\$352,439	\$0	0	a
4) Records of Monitoring Device Calibrations       2       \$0       \$0       1       2       162       324       32       16       \$35,244       \$0       0       a         5) Records of All Compliance Reports Submitted       2       \$0       \$0       \$0       2       4       162       648       65       32       \$70,488       \$00       0       a         6) Records of Monthly Fuel Use       0.5       \$0       \$0       \$12       6       162       972       97       49       \$105,732       \$00       0       a         E. Personnel Training       na       Image: Condensity of the second seco	2) Records of Deviations	15	\$0	\$0	1	15	162	2,430	243	122	\$264,329	\$0	0	a
5) Records of All Compliance Reports Submitted       2       \$0       \$0       2       4       162       648       65       32       \$70,488       \$0       0       a         6) Records of Monthly Fuel Use       0.5       \$0       \$0       \$0       12       6       162       972       97       49       \$105,732       \$0       0       a         E. Personnel Training       na       Image: Construction of the state	3) Records of Stack Tests	2	\$0	\$0	1	2	162	324	32	16	\$35,244	\$0	0	a
6) Records of Monthly Fuel Use         0.5         \$0         \$0         12         6         162         972         97         49         \$105,732         \$0         0         a           E. Personnel Training         na         na         Image: Constraint of the state of the	4) Records of Monitoring Device Calibrations	2	\$0	\$0	1	2	162	324	32	16	\$35,244	\$0	0	a
6) Records of Monthly Fuel Use         0.5         \$0         \$0         12         6         162         972         97         49         \$105,732         \$0         0         a           E. Personnel Training         na         na         Image: Constraint of the state of the	5) Records of All Compliance Reports Submitted		\$0	\$0	2	4	162	648	65	32	\$70,488	\$0	0	a
E. Personnel Training         na         Image: constraint of the system         Imag	6) Records of Monthly Fuel Use		\$0	\$0	12	6	162	972	97	49			0	a
F. Time for Audits         na         Image: constraint of the system         Image:														
Subtotal Recordkeeping														
	Subtotal Recordkeeping							7,938	794	397	\$863,476	\$0	0	
	Totals							21,222	2,122	1,061	\$2,308,476	\$3,602,400	243	

a The total number of new large liquid fuel boilers estimated in the first 3 years of this rule is 487. In order to calculate a per year estimate of the number of boilers required to meet these rule requirements, the number of projected boilers is divided by 3, or 162.3 rounded to 162 boilers per year. 162 boilers will be accounted for in year 1 and 2 and 163 in year 3. Assuming 2 unit per facilities will be subject in year 1 and 2 and 82 facilities in year 3.

b A one-time requirement.

c All projected large liquid fuel units are expected to comply with mercury limits through the fuel testing compliance option instead of stack testing, see note a for the derivation of the number of units per year.

d No annual test and reporting burden is shown in year 1 as this is the same year as the initial test and report.

e If you demonstrate compliance with any applicable emission limit through stack testing, you must develop a site-specific monitoring plan. All new large liquid fuel units are expected to develop this plan.

# Table 4.B. Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters - Year 2, New Large Liquid Fuel Units

	Unditants (i		maustriai, v	Johnner ciai,	and montul	ional Bollers	and FIOCE	55 Healers	- icai 2, ite	W Large Liquit			-
Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Stack Testing and Fuel Analysis Cost Per Occurrence	(C) Non-Labor Costs Per Occurrence	(D) Number of Occurrences Per Respondent Per Year	(E) Technical Hours per Respondent Per Year (A X D)	(F) Number of Respondents Per Year	(G) Technical Hours per Year @ \$98.20 (F X G)	Hours per Year @	(I) Managemen t Hours per Year @ \$114.49 (H X .05)	(J) Total Labor Costs Per Year	(K) Total Non- Labor Annual Cost	(L) Total Number of Responses per Year (D X F)	Footnotes
1. Applications	na												
2. Surveys and Studies	na												
3. Reporting Requirements													
A. Read and Understand Rule Requirements	40	\$0	\$0	1	40	81	3,240	324	162	\$352,439	\$0	0	a, b
B. Required Activities							,						<u> </u>
1. Initial Stack Test and Report (for PM)	12	\$8,000	\$0	1	12	162	1,944	194	97	\$211,463	\$1,296,000	0	b, c
2. Annual Stack Test and Report (for PM)	12	\$8,000	\$0	1	12	162	1,944	194	97	\$211,463	\$1,296,000	0	d
3. Continuous Parameter Monitoring		,								. ,	. , ,	-	-
Establish Site-specific monitoring plan (all)	40	\$0	\$0	1	40	81	3,240	324	162	\$352,439	\$0	0	e
Opacity							- / -			,		-	
a) initial	10	\$0	\$43,100	1	10	147	1,470	147	74	\$159,903	\$6,335,700	0	
b) annual	10	\$0	\$14,700	1	10	294	2.940	294	147	\$319,806	\$4,321,800	0	
Bag Leak Detection System Operation (all sources that have fabric filters)			. ,				,				. , . ,		
a) initial	10	\$0	\$25,500	1	10	15	150	15	8	\$16,317	\$382,500	0	
b) annual	10	\$0	\$9,700	1	10	30	300	30	15	\$32,633	\$291,000	0	
C. Create Information	na		,								. ,		
D. Gather Information	na												
E. Report Preparation													
1) Initial Notification that Source is Subject	2	\$0	\$0	1	2	81	162	16	8	\$17,622	\$0	81	a, b
2) Notification of Compliance Status	8	\$0	\$0	1	8	81	648	65	32	\$70,488	\$0	81	a, b
3) Annual Compliance Report	30	\$0	\$0	1	30	162	4,860	486	243	\$528,659	\$0	162	a
Reporting Subtotal							19,278	1,928	964	\$2,097,013	\$7,204,800	324	
4. Recordkeeping Requirements							-, -	,		. , ,	. , . ,	-	
A. Read Instructions	see 3.A												
B. Implement Activities	na												
C. Develop Record System	na												
D. Record Information													
1) Records of Operating Parameter Values	20	\$0	\$0	1	20	324	6,480	648	324	\$704,878	\$0	0	a
2) Records of Deviations	15	\$0	\$0	1	15	324	4,860	486	243	\$528,659	\$0	0	a
3) Records of Stack Tests	2	\$0	\$0	1	2	324	648	65	32	\$70,488	\$0	0	a
4) Records of Monitoring Device Calibrations	2	\$0	\$0	1	2	324	648	65	32	\$70,488	\$0	0	a
5) Records of All Compliance Reports Submitted	2	\$0	\$0	2	4	324	1,296	130	65	\$140,976	\$0	0	a
6) Records of Monthly Fuel Use	0.5	\$0	\$0	12	6	324	1,944	194	97	\$211,463	\$0	0	a
E. Personnel Training	na												
F. Time for Audits	na												
Subtotal Recordkeeping							15,876	1,588	794	\$1,726,952	\$0	0	
Totals							35,154	3,515	1,758	\$3,823,964	\$7,204,800	324	

a The total number of new large liquid fuel boilers estimated in the first 3 years of this rule is 487. In order to calculate a per year estimate of the number of boilers required to meet these rule requirements, the number of projected boilers is divided by 3, or 162.3 rounded to 162 boilers per year. 162 boilers will be accounted for in year 1 and 2 and 163 in year 3. Assuming 2 unit per facility, 81 new facilities will be subject in year 1 and 2 and 82 facilities in year 3.

b A one-time requirement.

c All projected large liquid fuel units are expected to comply with mercury limits through the fuel testing compliance option instead of stack testing, see note a for the derivation of the number of units per year.

d Subsequent annual testing in year 2 are based on the number of sources that had an initial test in year 1 of this ICR. Subsequent semi-annual compliance reporting and recordkeeping requirements are based on the number of new sources in years 1 and 2 of this ICR.

e If you demonstrate compliance with any applicable emission limit through stack testing, you must develop a site-specific monitoring plan. All new large liquid fuel units are expected to develop this plan.

# Table 4.C. Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters - Year 3, New Large Liquid Fuel Units

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Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Stack Testing and Fuel Analysis Cost Per Occurrence	(C) Non-Labor Costs Per Occurrence	(D) Number of Occurrences Per Respondent Per Year	(E) Technical Hours per Respondent Per Year (A X D)	(F) Number of Respondents Per Year	(G) Technical Hours per Year @ \$98.20 (F X G)	(H) Clerical Hours per Year @ \$48.53 (H X 0.1)	(I) Management Hours per Year @ \$114.49 (H X .05)	(J) Total Labor Costs Per Year	(K) Total Non-Labor Annual Cost	(L) Total Number of Responses per Year (D X F)	-ootnotes
	,	Occurrence	Occurrence	Feilleai	D)	Feilleai	× (6)	0.1)	× .03)	CUSIS FEI TEAI	Annuar Cost		<u> </u>
1. Applications 2. Surveys and Studies	na												
3. Reporting Requirements	na												
A. Read and Understand Rule Requirements	40	\$0	\$0	1	40	82	3.280	328	164	\$356,790	\$0	0	a h
A. Read and Onderstand Rule Requirements     B. Required Activities	40	\$U	\$U	T	40	82	3,280	328	104	\$350,790	<del>م</del> 0	0	a, b
1. Initial Stack Test and Report (for PM)	12	\$8,000	\$0	1	10	163	1,956	196	98	\$212,769	\$1,304,000	0	ha
2. Annual Stack Test and Report (for PM)	12	\$8,000	\$0	1	12 12	324	3,888	389	98 194	\$422,927	\$1,304,000	0	b, c d
3. Continuous Parameter Monitoring	12	\$8,000	<b>4</b> 0	1	12	324	3,888	389	194	\$422,927	\$2,592,000	0	u
Establish Site-specific monitoring plan (all)	40	\$0	\$0	1	40	82	3,280	328	164	\$356,790	\$0	0	е
Opacity	40	\$U	<b>4</b> 0	1	40	82	3,280	328	104	\$350,790	<del>۵</del> 0	0	e
a) initial	10	\$0	\$43,100	1	10	147	1,470	147	74	\$159,903	\$6,335,700	0	
b) annual	10	\$0 \$0	\$43,100	1	10	441	4,410	441	221	\$159,903	\$6,482,700	0	
,	10	ΦU	\$14,700		10	441	4,410	441	221	\$479,709	\$0,402,700	0	
Bag Leak Detection System Operation (all sources that have fabric filters)													
a) initial	10	\$0	\$25,500	1	10	15	150	15	8	\$16,317	\$382,500	0	
b) annual	10	\$0	\$9,700	1	10	45	450	45	23	\$48,950	\$436,500	0	
C. Create Information	na												
D. Gather Information	na												
E. Report Preparation													
1) Initial Notification that Source is Subject	2	\$0	\$0	1	2	82	164	16	8	\$17,840	\$0	82	a, b
2) Notification of Compliance Status	8	\$0	\$0	1	8	82	656	66	33	\$71,358	\$0	82	a, b
<ol> <li>Annual Compliance Report</li> </ol>	30	\$0	\$0	1	30	244	7,320	732	366	\$796,251	\$0	244	a
Reporting Subtotal							25,404	2,540	1,270	\$2,763,384	\$10,815,200	408	
<ol> <li>Recordkeeping Requirements</li> </ol>													
A. Read Instructions	see 3.A												
B. Implement Activities	na												
C. Develop Record System	na												
D. Record Information													
1) Records of Operating Parameter Values	20	\$0	\$0	1	20	487	9,740	974	487	\$1,059,493	\$0	0	a
2) Records of Deviations	15	\$0	\$0	1	15	487	7,305	731	365	\$794,620	\$0	0	a
<ol><li>Records of Stack Tests</li></ol>	2	\$0	\$0	1	2	487	974	97	49	\$105,949	\$0	0	a
<ol><li>Records of Monitoring Device Calibrations</li></ol>	2	\$0	\$0	1	2	487	974	97	49	\$105,949	\$0	0	a
5) Records of All Compliance Reports Submitted	2	\$0	\$0	2	4	487	1,948	195	97	\$211,899	\$0	0	a
6) Records of Monthly Fuel Use	0.5	\$0	\$0	12	6	487	2,922	292	146	\$317,848	\$0	0	a
E. Personnel Training	na												
F. Time for Audits	na												
Subtotal Recordkeeping							23,863	2,386	1,193	\$2,595,757	\$0	0	
Totals							49,267	4,927	2,463	\$5,359,141	\$10,815,200	408	

a The total number of new large liquid fuel boilers estimated in the first 3 years of this rule is 487. In order to calculate a per year estimate of the number of boilers required to meet these rule requirements, the number of projected boilers is divided by 3, or 162.3 rounded to 162 boilers per year. 162 boilers will be accounted for in year 1 and 2 and 163 in year 3. Assuming 2 unit per facility, 81 new facilities will be subject in year 1 and 2 and 82 facilities in year 3.

b A one-time requirement.

c All projected large liquid fuel units are expected to comply with mercury limits through the fuel testing compliance option instead of stack testing, see note a for the derivation of the number of units per year.

d Subsequent annual testing in year 2 are based on the number of sources that had an initial test in year 1 of this ICR. Subsequent semi-annual compliance reporting and recordkeeping requirements are based on the number of new sources in years 1 and 2 of this ICR. e If you demonstrate compliance with any applicable emission limit through stack testing, you must develop a site-specific monitoring plan. All new large liquid fuel units are expected to develop this plan.

#### Table 5.A. Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the National Emission Standards

Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Tune-Up Cost per Occurrence	(C) Other Non- Labor Costs Per Occurrence	(D) Number of Occurrences Per Respondent Per Year	(E) Technical Hours per Respondent Per Year (A X D)	(F) Number of Respondents Per Year	(G) Technical Hours per Year @ \$98.20 (E X F)	(H) Clerical Hours per Year @ \$48.53 (G X 0.1)	(I) Manageme nt Hours per Year @ \$114.49 (G X .05)	(J) Total Labor Costs Per Year	(K) Total Non- Labor Annual Costs	(L) Total Number of Responses per Year (D X F)	Footnotes
1. Applications	na												
2. Surveys and Studies	na												
3. Reporting Requirements													
A. Read and Understand Rule Requirements	40	\$0	\$0	1	40	5,314	212560	21256	10628	\$23,121,745	\$0	0	a
B. Required Activities													
1. Biennial Tune-Up	12	\$2,228	\$0	0.5	6	0	0	0	0	\$0	\$0	0	b
C. Create Information	na												
D. Gather Information	na												
E. Report Preparation													
1) Initial Notification that Source is Subject	2	\$0	\$0	1	2	5,314	10628	1063	531	\$1,156,087	\$0	5,314	a
2) Notification of Compliance Status	8	\$0	\$0	1	8	0	0	0	0	\$0	\$0	0	b
<ol> <li>Biennial Compliance Report</li> </ol>	5	\$0	\$0	0.5	2.5	0	0	0	0	\$0	\$0	0	b
Reporting Subtotal							223188	22319	11159	\$24,277,833	\$0	5,314	
4. Recordkeeping Requirements													
A. Read Instructions	Included in 3a												
B. Implement Activities	na												
C. Develop Record System	na												С
D. Record Information													
Submitted	2	\$0	\$0	1	2	0	0	0	0	\$0	\$0	0	b
2) Records of Biennial Tune-Up	0.5	\$0	\$0	0.5	0.25	0	0	0	0	\$0	\$0	0	b
E. Personnel Training	na												
F. Time for Audits	na												
Recordkeeping Subtotal							0	0	0	0	0	0	
Totals							223188	22319	11159	\$24,277,833	\$0	5,314	

for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers - Year 1, Existing Small Solid Fuel Units

a Number of respondents based on number of existing large solid fuel boilers which includes biomass and coal units greater than 10 mmBtu/hr (assumption of 2 units per facility).

b Since existing units have three years after the publication date of the final rule to submit initial notification of compliance status, conduct compliance activities, or meet recordkeeping or reporting requirements, no burden is assumed in year 1. c Assumes facility must already maintain records on boiler insurance and/or maintenance schedule. No new record system would be required.

## Table 5.B. Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial. Commercial. and Institutional Boilers - Year 2. Existing Small Solid Fuel Units

Burden Item	(A) Respondent Hours per Occurrence (Technical hours)		(C) Other Non- Labor Costs Per Occurrence	(D) Number of Occurrences Per Respondent Per Year	(E) Technical Hours per Respondent Per Year (A X D)	(F) Number of Respondents Per Year	(G) Technical Hours per Year @ \$98.20 (E X F)	(H) Clerical Hours per Year @ \$48.53 (G X 0.1)	(I) Management Hours per Year @ \$114.49 (G X .05)	(J) Total Labor Costs Per Year	(K) Total Non- Labor Annual Costs	(L) Total Number of Responses pe Year (D X F)	-ootnotes
1. Applications	na				(=)		. /						+
2. Surveys and Studies	na												+
3. Reporting Requirements													1
A. Read and Understand Rule Requirements	40	\$0	\$0	1	40	0	0	0	0	\$0	\$0	0	a
B. Required Activities					-								1
1. Biennial Tune-Up	12	\$2,228	\$0	0.5	6	5,315	31,890	3,189	1,595	\$3,468,914	\$5,920,910	0	b
C. Create Information	na												+
D. Gather Information	na												1
E. Report Preparation													
1) Initial Notification that Source is Subject	2	\$0	\$0	1	2	0	0	0	0	\$0	\$0	0	a
2) Notification of Compliance Status	8	\$0	\$0	1	8	0	0	0	0	\$0	\$0	0	b
3) Biennial Compliance Report	5	\$0	\$0	0.5	2.5	0	0	0	0	\$0	\$0	0	b
Reporting Subtotal							31,890	3,189	1,595	\$3,468,914	\$5,920,910	0	
4. Recordkeeping Requirements													
A. Read Instructions	Included in 3a												
B. Implement Activities	na												
C. Develop Record System	na												С
D. Record Information													
<ol> <li>Records of All Compliance Reports Submitted</li> </ol>	2	\$0	\$0	1	2	0	0	0	0	\$0	\$0	0	b
2) Records of Biennial Tune-Up	0.5	\$0	\$0	0.5	0.25	0	0	0	0	\$0	\$0	0	b
E. Personnel Training	na												
F. Time for Audits	na												
Recordkeeping Subtotal							0	0	0	0	0	0	
Totals							31,890	3,189	1,595	\$3,468,914	\$5,920,910	0	

a The burden on existing sources to read and understand rule requirements, and submit an initial notification were assumed to all occur in year 1.

b Since existing units have three years after the publication date of the final rule to submit initial notification of compliance status, conduct compliance activities, or meet recordkeeping or reporting requirements, it is assumed that half the affected units will conduct a tune-up in year 2 and half will conduct them in year 3 in order to be in compliance by the third year after promulgation. Initial Notification of Compliance Reports and recordkeeping requirements will not begin until year 3 of this ICR.

## Table 5.C. Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial. Commercial. and Institutional Boilers - Year 3. Existing Small Solid Fuel Units

			SHAP) IOI INUU	Strial, Comm	croia, ana n	Sututional D	ners - reurs	, Existing c	inan oona i ac	on to the second s			
Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Tune-Up Cost per Occurrence	(C) Other Non- Labor Costs Per Occurrence	(D) Number of Occurrences Per Respondent Per Year	(E) Technical Hours per Respondent Per Year (A X D)		(G) Technical Hours per Year @ \$98.20 (E X F)		(I) Management Hours per Year @ \$114.49 (G X .05)	(J) Total Labor Costs Per Year	(K) Total Non- Labor Annual Costs	(L) Total Number of Responses pe Year (D X F)	ت. Footnotes
1. Applications	na												
2. Surveys and Studies	na												-
3. Reporting Requirements													
A. Read and Understand Rule Requirements	40	\$0	\$0	1	40	0	0	0	0	\$0	\$0	0	a
B. Required Activities													-
1. Biennial Tune-Up	12	\$2,228	\$0	0.5	6	5,314	31,884	3,188	1,594	\$3,468,262	\$5,919,796	0	b
C. Create Information	na												1
D. Gather Information	na												
E. Report Preparation													
1) Initial Notification that Source is Subject	2	\$0	\$0	1	2	0	0	0	0	\$0	\$0	0	a
2) Notification of Compliance Status	8	\$0	\$0	1	8	5,314	42,512	4,251	2,126	\$4,624,349	\$0	5,314	b
3) Biennial Compliance Report	5	\$0	\$0	0.5	2.5	5,314	13,285	1,329	664	\$1,445,109	\$0	2,657	b
Reporting Subtotal							87,681	8,768	4,384	\$9,537,720	\$5,919,796	7,971	
4. Recordkeeping Requirements													
A. Read Instructions	Included in 3a												
B. Implement Activities	na												
C. Develop Record System	na												С
D. Record Information													
<ol> <li>Records of All Compliance Reports Submitted</li> </ol>	2	\$0	\$0	1	2	10,629	21,258	2,126	1,063	\$2,312,392	\$0	0	b
2) Records of Biennial Tune-Up	0.5	\$0	\$0	0.5	0.25	10,629	2,657	266	133	\$289,049	\$0	0	b
E. Personnel Training	na												
F. Time for Audits	na												
Recordkeeping Subtotal							23,915	2,392	1,196	2,601,441	0	0	
Totals							111,596	11,160	5,580	\$12,139,161	\$5,919,796	7,971	

a The burden on existing sources to read and understand rule requirements, and submit an initial notification were assumed to all occur in year 1.

b Since existing units have three years after the publication date of the final rule to submit initial notification of compliance status, conduct compliance activities, or meet recordkeeping or reporting requirements, it is assumed that half the affected units will conduct a tune-up in year 2 and half will conduct them in year 3 in order to be in compliance by the third year after promulgation. Initial Notification of Compliance Reports and recordkeeping requirements will not begin until year 3 of this ICR.

Table 6.A. Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the National Emission Standards
for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers - Year 1, Existing Small Liquid Fuel Units

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Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Tune-Up Cost per Occurrence	(C) Other Non-Labor Costs Per Occurrence	(D) Number of Occurrences Per Respondent Per Year	(E) Technical Hours per Respondent Per Year (A X D)	(F) Number of Respondents Per Year	(G) Technical Hours per Year @ \$98.20 (E X F)	Hours per Year @	(I) Management Hours per Year @ \$114.49 (G X .05)	(J) Total Labor Costs Per Year	(K) Total Non- Labor Annual Costs	(L) Total Number of Responses per Year (D X F)	Footnotes
1. Applications	na												T
2. Surveys and Studies	na												
3. Reporting Requirements													
A. Read and Understand Rule Requirements	40	\$0	\$0	1	40	79,387	3,175,480	317,548	158,774	\$345,420,776	\$0	0	a
B. Required Activities													
1. Biennial Tune-Up	12	\$2,228	\$0	0.5	6	0	0	0	0	\$0	\$0	0	b
C. Create Information	na												
D. Gather Information	na												
E. Report Preparation													
1) Initial Notification that Source is Subject	2	\$0	\$0	1	2	79,387	158,774	15,877	7,939	\$17,271,039	\$0	79,387	a
2) Notification of Compliance Status	8	\$0	\$0	1	8	0	0	0	0	\$0	\$0	0	b
<ol> <li>Biennial Compliance Report</li> </ol>	5	\$0	\$0	0.5	2.5	0	0	0	0	\$0	\$0	0	b
Reporting Subtotal							3,334,254	333,425	166,713	\$362,691,814	\$0	79,387	
<ol> <li>Recordkeeping Requirements</li> </ol>													
A. Read Instructions	Included in 3a												
B. Implement Activities	na												
C. Develop Record System	na												С
D. Record Information													
1) Records of All Compliance Reports Submitted	2	\$0	\$0	1	2	0	0	0	0	\$0	\$0	0	b
2) Records of Biennial Tune-Up	0.5	\$0	\$0	0.5	0.25	0	0	0	0	\$0	\$0	0	b
E. Personnel Training	na												
F. Time for Audits	na												
Recordkeeping Subtotal							0	0	0	\$0	\$0	0	
Totals							3,334,254	333,425	166,713	\$362,691,814	\$0	79,387	

a Number of respondents based on number of existing small liquid fuel boilers which includes biomass and coal units less than 10 mmBtu/hr (assumption of 2 units per facility).

b Since existing units have three years after the publication date of the final rule to submit initial notification of compliance status, conduct compliance activities, or meet recordkeeping or reporting requirements, no burden is assumed in year 1. c Assumes facility must already maintain records on boiler insurance and/or maintenance schedule. No new record system would be required.

# Table 6.B. Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers - Year 2, Existing Small Liquid Fuel Units

Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Tune-Up Cost per Occurrence	(C) Other Non-Labor Costs Per Occurrence	(D) Number of Occurrences Per Respondent Per Year	(E) Technical Hours per Respondent Per Year (A X D)	(F) Number of Respondents Per Year	(G) Technical Hours per Year @ \$98.20 (E X F)	(H) Clerical Hours per Year @ \$48.53 (G X 0.1)	(I) Management Hours per Year @ \$114.49 (G X .05)	(J) Total Labor Costs Per Year	(K) Total Non-Labor Annual Costs	(L) Total Number of Responses per Year (D X F)	
1. Applications	na												
2. Surveys and Studies	na												
3. Reporting Requirements													
A. Read and Understand Rule Requirements	40	\$0	\$0	1	40	0	0	0	0	\$0	\$0	0	a
B. Required Activities													
1. Biennial Tune-Up	12	\$2,228	\$0	0.5	6	79,387	476,322	47,632	23,816	\$51,813,116	\$176,874,236	0	b
C. Create Information	na												
D. Gather Information	na												
E. Report Preparation													
<ol> <li>Initial Notification that Source is Subject</li> </ol>	2	\$0	\$0	1	2	0	0	0	0	\$0	\$0	0	a
2) Notification of Compliance Status	8	\$0	\$0	1	8	0	0	0	0	\$0	\$0	0	b
<ol> <li>Biennial Compliance Report</li> </ol>	5	\$0	\$0	0.5	2.5	0	0	0	0	\$0	\$0	0	b
Reporting Subtotal							476,322	47,632	23,816	\$51,813,116	\$176,874,236	0	
<ol> <li>Recordkeeping Requirements</li> </ol>													
A. Read Instructions	Included in 3a												
B. Implement Activities	na												
C. Develop Record System	na												С
D. Record Information													
1) Records of All Compliance Reports Submitted	2	\$0	\$0	1	2	0	0	0	0	\$0	\$0	0	b
<ol><li>Records of Biennial Tune-Up</li></ol>	0.5	\$0	\$0	0.5	0.25	0	0	0	0	\$0	\$0	0	b
E. Personnel Training	na												
F. Time for Audits	na												
Recordkeeping Subtotal							0	0	0	\$0	\$0	0	
Totals							476,322	47,632	23,816	\$51,813,116	\$176,874,236	0	

a The burden on existing sources to read and understand rule requirements, and submit an initial notification were assumed to all occur in year 1.

b Since existing units have three years after the publication date of the final rule to submit initial notification of compliance status, conduct compliance activities, or meet recordkeeping or reporting requirements, it is assumed that half the affected units will conduct a tune-up in year 2 and half will conduct them in year 3 in order to be in compliance by the third year after promulgation. Initial Notification of Compliance Reports and recordkeeping requirements will not begin until year 3 of this ICR.

# Table 6.C. Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers - Year 3, Existing Small Liquid Fuel Units

Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Tune-Up Cost per Occurrence	(C) Other Non-Labor Costs Per Occurrence	(D) Number of Occurrences Per Respondent Per Year	(E) Technical Hours per Respondent Per Year (A X D)	(F) Number of Respondents Per Year	(G) Technical Hours per Year @ \$98.20 (E X F)		(I) Management Hours per Year @ \$114.49 (G X .05)	(J) Total Labor Costs Per Year	(K) Total Non-Labor Annual Costs	(L) Total Number of Responses per Year (D X F)	Footnotes
1. Applications	na												
2. Surveys and Studies	na												
3. Reporting Requirements													
A. Read and Understand Rule Requirements	40	\$0	\$0	1	40	0	0	0	0	\$0	\$0	0	a
B. Required Activities													
1. Biennial Tune-Up	12	\$2,228	\$0	0.5	6	79,387	476,322	47,632	23,816	\$51,813,116	\$176,874,236	0	b
C. Create Information	na												
D. Gather Information	na												
E. Report Preparation													
<ol> <li>Initial Notification that Source is Subject</li> </ol>	2	\$0	\$0	1	2	0	0	0	0	\$0	\$0	0	a
2) Notification of Compliance Status	8	\$0	\$0	1	8	79,387	635,096	63,510	31,755	\$69,084,155	\$0	79,387	b
<ol> <li>Biennial Compliance Report</li> </ol>	5	\$0	\$0	0.5	2.5	79,387	198,468	19,847	9,923	\$21,588,798	\$0	39,694	b
Reporting Subtotal							1,309,886	130,989	65,494	\$142,486,070	\$176,874,236	119,081	
<ol><li>Recordkeeping Requirements</li></ol>													
A. Read Instructions	Included in 3a												
B. Implement Activities	na												
C. Develop Record System	na												С
D. Record Information													
Submitted	2	\$0	\$0	1	2	158,774	317,548	31,755	15,877	\$34,542,078	\$0	0	b
2) Records of Biennial Tune-Up	0.5	\$0	\$0	0.5	0.25	158,774	39,694	3,969	1,985	\$4,317,760	\$0	0	b
E. Personnel Training	na												
F. Time for Audits	na												
Recordkeeping Subtotal							357,242	35,724	17,862	\$38,859,837	\$0	0	
Totals							1,667,127	166,713	83,356	\$181,345,907	\$176,874,236	119,081	

a The burden on existing sources to read and understand rule requirements, and submit an initial notification were assumed to all occur in year 1.

b Since existing units have three years after the publication date of the final rule to submit initial notification of compliance status, conduct compliance activities, or meet recordkeeping or reporting requirements, it is assumed that half the affected units will conduct a tune-up in year 2 and half will conduct them in year 3 in order to be in compliance by the third year after promulgation. Initial Notification of Compliance Reports and recordkeeping requirements will not begin until year 3 of this ICR.

### Table 7.A. Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the National Emission Standards

	for Hazardous Air Pollutants	(NESHAP) f	or Industrial,	Commercial,	and Institution	onal Boilers a	and Process	Heaters -	Year 1, New	Small Solid Fu	el Units
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Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Tune-Up Cost per Occurrence	(C) Other Non-Labor Costs Per Occurrence	(D) Number of Occurrences Per Respondent Per Year	(E) Technical Hours per Respondent Per Year (A X D)	(F) Number of Respondents Per Year	(G) Technical Hours per Year @ \$98.20 (E X F)	Hours per Year @	(I) Management Hours per Year @ \$114.49 (G X .05)	(J) Total Labor Costs Per Year	(K) Total Non- Labor Annual Costs	(L) Total Number of Responses per Year (D X F)	Footnotes
1. Applications	na				· · ·								
2. Surveys and Studies	na												
3. Reporting Requirements													
A. Read and Understand Rule Requirements	40	\$0	\$0	1	40	49	1,960	196	98	\$213,204	\$0	0	а
B. Required Activities													
1. Biennial Tune-Up	12	\$2,228	\$0	0.5	6	98	588	59	29	\$63,961	\$218,344	0	b
C. Create Information	na												
D. Gather Information	na												
E. Report Preparation													
1) Initial Notification that Source is Subject	2	\$0	\$0	1	2	49	98	10	5	\$10,660	\$0	49	b
2) Notification of Compliance Status	8	\$0	\$0	1	8	49	392	39	20	\$42,641	\$0	49	b
3) Biennial Compliance Report	5	\$0	\$0	0.5	2.5	49	123	12	6	\$13,325	\$0	25	b
Reporting Subtotal							3,161	316	158	\$343,791	\$218,344	123	
4. Recordkeeping Requirements													
A. Read Instructions	Included in 3a												
B. Implement Activities	na												
C. Develop Record System	na												С
D. Record Information													
1) Records of All Compliance Reports Submitted	2	\$0	\$0	1	2	98	196	20	10	\$21,320	\$0	0	b
2) Records of Biennial Tune-Up	0.5	\$0	\$0	0.5	0.25	98	25	2	1	\$2,665	\$0	0	b
E. Personnel Training	na												
F. Time for Audits	na												
Recordkeeping Subtotal							220.5	22.05	11.025	\$23,985	\$0	0	
Totals							3,381	338	169	\$367,777	\$218,344	123	

a Number of respondents based on number of new small solid fuel boilers which includes biomass and coal units less than 10 mmBtu/hr (assumption of 2 units per facility). One-third of the units will comply each year.

b Compliance activities will start the year the boiler complies.

## Table 7.B. Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the National Emission Standards

for Hazardous Air F	ollutants (NE	SHAP) for I	idustriai, Co	ommerciai, a	na institutio	nal Bollers ar	na Process	S Heaters	Year 2, Ne	w Small Solid	Fuel Units		
Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Tune-Up Cost per Occurrence	(C) Other Non-Labor Costs Per Occurrence	(D) Number of Occurrences Per Respondent Per Year	(E) Technical Hours per Respondent Per Year (A X D)	(F) Number of Respondents Per Year	(G) Technical Hours per Year @ \$98.20 (E X F)	(H) Clerical Hours per Year @ \$48.53 (G X 0.1)		(J) Total Labor Costs Per Year	(K) Total Non- Labor Annual Costs	(L) Total Number of Responses per Year (D X F)	Footnotes
1. Applications	na												
2. Surveys and Studies	na												
3. Reporting Requirements													
A. Read and Understand Rule Requirements	40	\$0	\$0	1	40	49	1,960	196	98	\$213,204	\$0	0	a
B. Required Activities													
1. Biennial Tune-Up	12	\$2,228	\$0	0.5	6	98	588	59	29	\$63,961	\$218,344	0	b
C. Create Information	na											-	
D. Gather Information	na												
E. Report Preparation													
1) Initial Notification that Source is Subject	2	\$0	\$0	1	2	49	98	10	5	\$10,660	\$0	49	b
2) Notification of Compliance Status	8	\$0	\$0	1	8	49	392	39	20	\$42,641	\$0	49	b
3) Biennial Compliance Report	5	\$0	\$0	0.5	2.5	98	245	25	12	\$26,650	\$0	49	b
Reporting Subtotal							3,283	328	164	\$357,117	\$218,344	147	
4. Recordkeeping Requirements													
A. Read Instructions	Included in 3a												
B. Implement Activities	na												
C. Develop Record System	na												С
D. Record Information													
1) Records of All Compliance Reports Submitted	2	\$0	\$0	1	2	196	392	39	20	\$42,641	\$0	0	b
2) Records of Biennial Tune-Up	0.5	\$0	\$0	0.5	0.25	196	49	5	2	\$5,330	\$0	0	b
E. Personnel Training	na												
F. Time for Audits	na												
Recordkeeping Subtotal							441	44.1	22.05	\$47,971	\$0	0	
Totals							3,724	372	186	\$405,087	\$218,344	147	

for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters - Year 2, New Small Solid Fuel Units

a Number of respondents based on number of new small solid fuel boilers which includes biomass and coal units less than 10 mmBtu/hr (assumption of 2 units per facility). One-third of the units will comply each year.

b Compliance activities will start the year the boiler complies.

## Table 7.C. Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the National Emission Standards

for Hazardous Ai	r Pollutants	(NESHAP) fo	r Industrial,	Commercial	, and Institu	tional Boilers	and Proce	ss Heaters	s - Year 3, N	ew Small Solid F	uel Units	
				(D) Number				(LI)	(1)			

Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Tune-Up Cost per Occurrence	Costs Per	(D) Number of Occurrences Per Respondent Per Year	Respondent			(H) Clerical Hours per Year @ \$48.53 (G X 0.1)	Year @		(K) Total Non-Labor Annual Costs	(L) Total Number of Responses per Year (D X F)	Footnotes
1. Applications	na	Occurrence				,	<u> </u>				74		<b>التب</b> ا
2. Surveys and Studies	na		,'		· · · · · · · · · · · · · · · · · · ·		+	+	++			<u> </u>	<b> </b>  '
3. Reporting Requirements	+		· · · · · · · · · · · · · · · · · · ·	('	,		1	+	· [,			1	<b>  </b> '
A. Read and Understand Rule Requirements	40	\$0	\$0	1	40	50	2,000	200	100	\$217,555	\$0	0	a
B. Required Activities	1	· · · · · ·	1		,	1			,				ľ
1. Biennial Tune-Up	12	\$2,228	\$0	0.5	6	99	594	59	30	\$64,614	\$220,572	0	b
C. Create Information	na		1		,	1			,	1			<b>  </b> '
D. Gather Information	na	[	, I		,	1			,	1			<b>'</b>
E. Report Preparation	1	[	, I		,	1			,	1			ľ
1) Initial Notification that Source is Subject	2	\$0	\$0	1	2	50	100	10	5	\$10,878	\$0	50	b
2) Notification of Compliance Status	8	\$0	\$0	1	8	50	400	40	20	\$43,511	\$0	50	b
3) Biennial Compliance Report	5	\$0	\$0	0.5	2.5	148	370	37	19	\$40,248	\$0	74	b
Reporting Subtotal			·'		·	1	3,464	346	173	\$376,805	\$220,572	174	
4. Recordkeeping Requirements			·'		·	1			·				
A. Read Instructions	Included in 3a		1		,	1			,	1			
B. Implement Activities	na		·'		·	1			·	1			
C. Develop Record System	na		·'		·	1			·	1			С
D. Record Information			('		<u> </u>								
1) Records of All Compliance Reports Submitted	2	\$0	\$0	1	2	295	590	59	30	\$64,179	\$0	0	b
2) Records of Biennial Tune-Up	0.5	\$0	\$0	0.5	0.25	295	74	7	4	\$8,022	\$0	0	b
E. Personnel Training	na		· · · · · ·		,	1			,				
F. Time for Audits	na	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		,	1			,	1			
Recordkeeping Subtotal			'		<u> </u>		664	66	33	\$72,201	\$0	0	
Totals						1	4,128	413	206	\$449,006	\$220,572	174	

a Number of respondents based on number of new small solid fuel boilers which includes biomass and coal units less than 10 mmBtu/hr (assumption of 2 units per facility). One-third of the units will comply each year.

b Compliance activities will start the year the boiler complies.

# Table 8.A. Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters - Year 1, New Small Liquid Fuel Units

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Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Tune-Up Cost per Occurrence	(C) Other Non-Labor Costs Per Occurrence	(D) Number of Occurrences Per Respondent Per Year	(E) Technical Hours per Respondent Per Year (A X D)	(F) Number of Respondents Per Year	(G) Technical Hours per Year @ \$98.20 (E X F)		(I) Management Hours per Year @ \$114.49 (G X .05)	(J) Total Labor Costs Per Year	(K) Total Non- Labor Annual Costs	(L) Total Number of Responses per Year (D X F)	
1. Applications	na												
2. Surveys and Studies	na												
3. Reporting Requirements													
A. Read and Understand Rule Requirements	40	\$0	\$0	1	40	989	39,560	3,956	1,978	\$4,303,238	\$0	0	а
B. Required Activities													
1. Biennial Tune-Up	12	\$2,228	\$0	0.5	6	1,979	11,874	1,187	594	\$1,291,624	\$4,409,212	0	b
C. Create Information	na												
D. Gather Information	na												
E. Report Preparation													
1) Initial Notification that Source is Subject	2	\$0	\$0	1	2	989	1,978	198	99	\$215,162	\$0	989	b
2) Notification of Compliance Status	8	\$0	\$0	1	8	989	7,912	791	396	\$860,648	\$0	989	b
3) Biennial Compliance Report	5	\$0	\$0	0.5	2.5	989	2,473	247	124	\$268,952	\$0	495	b
Reporting Subtotal							63,797	6,380	3,190	\$6,939,624	\$4,409,212	2,473	
4. Recordkeeping Requirements													
A. Read Instructions	Included in 3a												
B. Implement Activities	na												
C. Develop Record System	na												С
D. Record Information													
1) Records of All Compliance Reports Submitted	2	\$0	\$0	1	2	1,979	3,958	396	198	\$430,541	\$0	0	b
2) Records of Biennial Tune-Up	0.5	\$0	\$0	0.5	0.25	1,979	495	49	25	\$53,818	\$0	0	b
E. Personnel Training	na												
F. Time for Audits	na												
Recordkeeping Subtotal							4452.75	445.275	222.6375	\$484,359	\$0	0	
Totals							68,249	6,825	3,412	\$7,423,983	\$4,409,212	2,473	

a Number of respondents based on number of new small liquid fuel boilers less than 10 mmBtu/hr (assumption of 2 units per facility). One-third of the units will comply each year.

b Compliance activities will start the year the boiler complies.

# Table 8.B. Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters - Year 2, New Small Liquid Fuel Units

	o / III T Offattan	to (HEOHA	/ Tor Induoti		olal, and mo	attational Boi	oro ana r	00000 1100	10412,	New Sman Liqu			_
Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Tune-Up Cost per Occurrence	(C) Other Non-Labor Costs Per Occurrence	(D) Number of Occurrences Per Respondent Per Year	(E) Technical Hours per Respondent Per Year (A X D)	(F) Number of Respondents Per Year	(G) Technical Hours per Year @ \$98.20 (E X F)		(I) Management Hours per Year @ \$114.49 (G X .05)	(J) Total Labor Costs Per Year	(K) Total Non- Labor Annual Costs	(L) Total Number of Responses per Year (D X F)	Footnotes
1. Applications	na												
2. Surveys and Studies	na												
3. Reporting Requirements		· · · · ·											
A. Read and Understand Rule Requirements	40	\$0	\$0	1	40	989	39,560	3,956	1,978	\$4,303,238	\$0	0	а
B. Required Activities													
1. Biennial Tune-Up	12	\$2,228	\$0	0.5	6	1,979	11,874	1,187	594	\$1,291,624	\$4,409,212	0	b
C. Create Information	na												
D. Gather Information	na												
E. Report Preparation													
1) Initial Notification that Source is Subject	2	\$0	\$0	1	2	989	1,978	198	99	\$215,162	\$0	989	b
2) Notification of Compliance Status	8	\$0	\$0	1	8	989	7,912	791	396	\$860,648	\$0	989	b
3) Biennial Compliance Report	5	\$0	\$0	0.5	2.5	1,978	4,945	495	247	\$537,905	\$0	989	b
Reporting Subtotal							66,269	6,627	3,313	\$7,208,576	\$4,409,212	2,967	
<ol><li>Recordkeeping Requirements</li></ol>													
A. Read Instructions	Included in 3a												
B. Implement Activities	na												
C. Develop Record System	na												С
D. Record Information													
1) Records of All Compliance Reports Submitted	2	\$0	\$0	1	2	3,958	7,916	792	396	\$861,083	\$0	0	b
2) Records of Biennial Tune-Up	0.5	\$0	\$0	0.5	0.25	3,958	990	99	49	\$107,635	\$0	0	b
E. Personnel Training	na												
F. Time for Audits	na												
Recordkeeping Subtotal		<u> </u>					8905.5	890.55	445.275	\$968,718	\$0	0	
Totals							75,175	7,517	3,759	\$8,177,294	\$4,409,212	2,967	

a Number of respondents based on number of new small liquid fuel boilers less than 10 mmBtu/hr (assumption of 2 units per facility). One-third of the units will comply each year.

b Compliance activities will start the year the boiler complies.

# Table 8.C. Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters - Year 3, New Small Liquid Fuel Units

					inter eraij arra i								
Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Tune-Up Cost per Occurrence	Costs Per	(D) Number of Occurrences Per Respondent Per Year	(E) Technical Hours per Respondent			Hours per Year @	(I) Management Hours per Year (@\$114.49 (G X .05)	r	(K) Total Non- Labor Annual Costs	(L) Total Number of Responses per Year (D X F)	er 🗄
1. Applications	na	· · · · · · · · · · · · · · · · · · ·							1				
2. Surveys and Studies	na	· · · · · · · · · · · · · · · · · · ·											
3. Reporting Requirements	I	· · · · · · · · · · · · · · · · · · ·							· · · · · · · · · · · · · · · · · · ·				
A. Read and Understand Rule Requirements	40	\$0	\$0	1	40	990	39,600	3,960	1,980	\$4,307,589	\$0	0	a
B. Required Activities	1	,	1						,				
1. Biennial Tune-Up	12	\$2,228	\$0	0.5	6	1,979	11,874	1,187	594	\$1,291,624	\$4,409,212	0	b
C. Create Information	na	,	1						,				
D. Gather Information	na	,							,				
E. Report Preparation	·	,							· · · · · · · · · · · · · · · · · · ·				
1) Initial Notification that Source is Subject	2	\$0	\$0	1	2	990	1,980	198	99	\$215,379	\$0	990	b
2) Notification of Compliance Status	8	\$0	\$0	1	8	990	7,920	792	396	\$861,518	\$0	990	b
3) Biennial Compliance Report	5	\$0	\$0	0.5	2.5	2,968	7,420	742	371	\$807,129	\$0	1,484	b
Reporting Subtotal	I	· · · · · · · · · · · · · · · · · · ·	· [ '				68,794	6,879	3,440	\$7,483,239	\$4,409,212	3,464	
4. Recordkeeping Requirements	· ·	· · · · · · · · · · · · · · · · · · ·	· [ '						· [				
A. Read Instructions	Included in 3a	'	· [ '						· [				
B. Implement Activities	na	· [	· /						· · · · · · · · · · · · · · · · · · ·				
C. Develop Record System	na	· · · · · · · · · · · · · · · · · · ·	· [ '						· [				С
D. Record Information	· ·	· · · · · · · · · · · · · · · · · · ·	· [ '						· [				
1) Records of All Compliance Reports Submitted	2	\$0	\$0	1	2	5,937	11,874	1,187	594	\$1,291,624	\$0	0	b
2) Records of Biennial Tune-Up	0.5	\$0	\$0	0.5	0.25	5,937	1,484	148	74	\$161,453	\$0	0	b
E. Personnel Training	na	· [	·						· · · · · · · · · · · · · · · · · · ·				
F. Time for Audits	na	· · · · · · · · · · · · · · · · · · ·							· · · · · · · · · · · · · · · · · · ·				
Recordkeeping Subtotal		, <u> </u>	'				13,358	1,336	668	\$1,453,077	\$0	0	
Totals		, <u> </u>					82,152	8,215	4,108	\$8,936,316	\$4,409,212	3,464	

a Number of respondents based on number of new small liquid fuel boilers less than 10 mmBtu/hr (assumption of 2 units per facility). One-third of the units will comply each year.

b Compliance activities will start the year the boiler complies.

	EPA hours per occurrence	Number of occurrences	EPA hours per occurrence per	Technical hours per	Management hours per year	Clerical hours per year	Costs, \$ <sup>∟</sup>	Footnotes
Burden Item	(A)	per year (B)	year (C=AxB)	year (D=C)	(E=Dx0.05)	(F=Dx0.1)	(H)	ЦЦ
1. Read and understand rule requirements	40	60	2,400	2,400	120	240	\$124,379	a
<ol> <li>Enter and update information into agency recordkeeping system</li> </ol>	2	92,465	184,930	184,930	9,247	18,493	\$9,583,905	b
3. Required activities								
A. Observe initial stack/performance test	40	33	1,320	1,320	66	132	\$68,408	с
B. Observe repeat performance test	40	17	680	680	34	68	\$35,241	d
C. Review operating parameters	2	166	332	332	17	33	\$17,206	е
D. Review continuous parameter monitoring	2	182	364	364	18	36	\$18,864	f
4 Excess Emissions Enforcement Activities and Inspections	24	17	0	0	0	0	\$0	g
5 Notification requirements								
A. Review initial notification that sources are subject to the standard	2	92,465	184,930	184,930	9,247	18,493	\$9,583,905	b
B. Review notification of initial performance tests and review test plan	20	166	3,320	3,320	166	332	\$172,057	e
C. Review notification of compliance status	2	1,129	2,258	2,258	113	226	\$117,020	b
6. Reporting requirements			0	0	0	0	\$0	
A. Review annual compliance report	4	91	364	364	18	36	\$18,864	h
B. Review biennial compliance report	2	519	1,038	1,038	52	104	\$53,794	i
C. Review initial report on results of energy audit	2	0	0	0	0	0	\$0	j
7. Travel Expenses for Tests Attended 3 days * (\$110 hotel + \$58 meals/incidentals) + (\$600 round trip) = \$1104 per trip							\$55,200	k
TOTAL BURDEN AND COST (SALARY)				381,936	19,097	38,194	\$19,848,842	
TOTAL ANNUAL HOURS						439,226		

## Table 9.A. Annual Federal Government Burden and Cost of Recordkeeping and Reporting for the Industrial, Commercial, and Institutional Boilers Area Source NESHAP Subpart JJJJJJ- Year 1 - First Year After Promulgation

a Number of occurrences is the number of states where affected sources will exist and each EPA Region (50 states + 10 EPA regions = 60 respondents).

b Number of occurrences is based on the total number of affected facilities in year 1 that are required to submit initial notifications stated they are subject to the standard (all new boilers in the large and small solid and liquid subcategories, plus all existing large and small solid and liquid subcategories). For initial notifications of compliance status, the number of occurrences is based on all new boilers in the large and small solid and liquid subcategories. For initial notifications of compliance status, the number of occurrences is based on all new boilers in the large and small solid and liquid subcategories. For initial notifications of compliance status, the number of occurrences is based on all new boilers in the large and small solid and liquid subcategories. For initial notification.

c Number of occurrences is based on the assumption that EPA personnel will observe 20% of the initial performance tests that occur in year 1 (in year 1 only boilers in new large and small solid and liquid subcategories test).

d Number of occurrences is based on the assumption that of the units that test in year 1, 10% will have to retest and EPA personnel will observe all these retests.

e Number of occurrences is based on the number of units that will test and set/submit operating limits in year 1 (in year 1 only new boilers in new large and small solid and liquid subcategories).

f Number of occurrences begins in year 3 for existing units and in year 1 for new units and is based on the number of units maintaining records of control device parameters.

g Number of occurrences is based on the assumption that of the new units in year 1 that test, 10% of them will have exceedances and need enforcement.

h Number of occurrences is the number of projected new units in years 1, 2, and 3 that will submit these semi-annual compliance reports (new units in the large and small solid and liquid subcategories) as well as existing large solid and liquid units that will begin to submit compliance reports in year 3.

i Number of occurrences is the number of units in year 1 that will submit these biennial compliance reports (existing small solid and liquid subcategories).

j Energy audits only occur at existing facilities with large units.

k Total cost is based on the number of trips taken by EPA to observe performance tests in year 1 (4.A. & 4.B.) multiplied by \$1104 per trip. The source for hotel and meals/incidental costs is based on FY' 10 per diem rates, averaged across all locations in the United States. Airfares are estimated based on experience from other rulemakings. See: http://www.gsa.gov/Portal/gsa/ep/contentView.do? contentid=17943&contentType=GSA\_BASIC

L These rates are from the Office of Personnel Management (OPM), 2010 General Schedule, which excludes locality rates of pay. The rates have been increased by 60 percent to account for the benefit packages available to government employees. These rates can be obtained from the OPM web site, http://www.opm.gov/oca/payrates/index/htm.

#### Table 9.B. Annual Federal Government Burden and Cost of Recordkeeping and Reporting for the Industrial, Commercial, and Institutional Boilers Area Source NESHAP Subpart JJJJJJ- Year 2 - Second Year After Promulgation

Burden Item	EPA hours per occurrence (A)	Number of occurrences per year (B)	EPA hours per occurrence per year (C=AxB)	Technical hours per year (D=C)	Management hours per year (E=Dx0.05)	Clerical hours per year (F=Dx0.1)	Costs, \$ <sup>∟</sup> (H)	Footnotes
1. Read and understand rule requirements	40	0	0	0	0	0	\$0	а
2. Enter and update information into agency recordkeeping	2	1,129	2,258	2,258	113	226	\$117,020	b
3. Required activities								
A. Observe initial stack/performance test	40	148	5,920	5,920	296	592	\$306,801	С
B. Observe repeat performance test	40	74	2,960	2,960	148	296	\$153,401	d
C. Review operating parameters	2	740	1,480	1,480	74	148	\$76,700	е
D. Review continuous parameter monitoring	2	364	728	728	36	73	\$37,728	f
4 Excess Emissions Enforcement Activities and Inspections	24	45	0	0	0	0	\$0	g
5 Notification requirements							-	
A. Review initial notification that sources are subject to the standard	2	1,129	2,258	2,258	113	226	\$117,020	b
B. Review notification of initial performance tests and review test plan	20	453	9,060	9,060	453	906	\$469,530	е
C. Review notification of compliance status	2	1,129	2,258	2,258	113	226	\$117,020	b
6. Reporting requirements			0	0	0	0	\$0	
A. Review annual compliance report	4	182	728	728	36	73	\$37,728	h
B. Review biennial compliance report	2	1,038	2,076	2,076	104	208	\$107,588	i
C. Review initial report on results of energy audit	2	6,635	13,270	13,270	664	1,327	\$687,711	j
7. Travel Expenses for Tests Attended	3 days * (\$110 hotel + \$58 meals/incidentals) + (\$600 round trip) = \$1104 per trip							k
TOTAL BURDEN AND COST (SALARY)				42,996	2,150	4,300	\$2,473,334	
TOTAL ANNUAL HOURS						49,445		

a Number of occurrences is the number of states where affected sources will exist and each EPA Region (50 states + 10 EPA regions = 60 respondents).

b Number of occurrences is based on the total number of affected facilities in year 1 that are required to submit initial notifications stated they are subject to the standard (all new boilers in the large and small solid and liquid subcategories). For initial notifications of compliance status, the number of occurrences is based on all new boilers in the large and small solid and liquid subcategories, existing large and small solid and liquid units have until year 3 to submit this notification.

c Number of occurrences is based on the assumption that EPA personnel will observe 20% of the initial performance tests that occur in year 1 (in year 1 only boilers in new large and small solid and liquid subcategories test).

d Number of occurrences is based on the assumption that of the units that test in year 1, 10% will have to retest and EPA personnel will observe all these retests.

e Number of occurrences is based on the number of units that will test and set/submit operating limits in year 1 (in year 1 only new boilers in new large and small solid and liquid subcategories).

f Number of occurrences begins in year 3 for existing units and in year 1 for new units and is based on the number of units maintaining records of control device parameters.

A Number of occurrences is hered one the assurement of the years 11/2, in the study of the study of the second and liquid subcategories) as well as existing large solid and liquid units that will begin to submit compliance reports in year 3.

i Number of occurrences is the number of units in year 2 that will submit these biennial compliance reports (existing small solid and liquid subcategories).

j Energy audits only occur at existing facilities with large units.

# Table 9.C. Annual Federal Government Burden and Cost of Recordkeeping and Reporting for the Industrial, Commercial, and Institutional Boilers Area Source NESHAP Subpart JJJJJJJ- Year 3 - Third Year After Promulgation

Burden Item	EPA hours per occurrence (A)	Number of occurrences per year (B)	EPA hours per occurrence per year (C=AxB)	Technical hours per year (D=C)	Management hours per year (E=Dx0.05)	Clerical hours per year (F=Dx0.1)	Costs, \$ <sup>∟</sup> (H)	Footnotes
1. Read and understand rule requirements	40	0	0	0	0	0	\$0	a
2. Enter and update information into agency recordkeeping system	2	1,132	2,264	2,264	113	226	\$117,331	b
3. Required activities								
A. Observe initial stack/performance test	40	148	5,920	5,920	296	592	\$306,801	С
B. Observe repeat performance test	40	74	2,960	2,960	148	296	\$153,401	d
C. Review operating parameters	2	738	1,476	1,476	74	148	\$76,493	е
D. Review continuous parameter monitoring	2	1,120	2,240	2,240	112	224	\$116,087	f
4 Excess Emissions Enforcement Activities and Inspections	24	45	0	0	0	0	\$0	g
5 Notification requirements								
A. Review initial notification that sources are subject to the standard	2	1,132	2,264	2,264	113	226	\$117,331	b
B. Review notification of initial performance tests and review test plan	20	452	9,040	9,040	452	904	\$468,493	е
C. Review notification of compliance status	2	92,468	184,936	184,936	9,247	18,494	\$9,584,216	b
6. Reporting requirements			0	0	0	0	\$0	
A. Review annual compliance report	4	561	2,244	2,244	112	224	\$116,294	h
B. Review biennial compliance report	2	47,083	94,165	94,165	4,708	9,417	\$4,880,054	i
C. Review initial report on results of energy audit	2	6,633	13,266	13,266	663	1,327	\$687,504	j
7. Travel Expenses for Tests Attended	3 days * (\$110 hotel + \$58 meals/incidentals) + (\$600 round trip) = \$1104 per trip						\$245,088	k
TOTAL BURDEN AND COST (SALARY) 320,775 16,039 32,07					32,078	\$16,869,092		
TOTAL ANNUAL HOURS 368,891					368,891			

a Number of occurrences is zero, as this burden was a one time requirement and it was assigned to year 1.

b Number of occurrences is based on the total number of affected facilities in year 3 that are required to submit initial notifications (all new boilers in the large and small solid and liquid subcategories).

c Number of occurrences is based on the assumption that EPA personnel will observe 20% of the initial performance tests that occur in year 3 (in year 3 only boilers in new large and small solid and liquid subcategories test). d Number of occurrences is based on the assumption that of the units that test in year 3, 10% will have to retest and EPA personnel will observe all these retests.

e Number of occurrences is based on the number of units that will test and set/submit operating limits in year 3 (in year 3 only boilers in new large and small solid and liquid and half of existing large solid and liquid subcategor

f Number of occurrences begins in year 3 for existing units and in year 1 for new units and is based on the number of units maintaining records of control device parameters.

g Number of occurrences is based on the assumption that of the new units in year 3 that test, 10% of them will have exceedances and need enforcement.

h Number of occurrences is the number of projected new units in years 1, 2, and 3 that will submit these semi-annual compliance reports (new units in the large and small solid and liquid subcategories) as well as existing large solid and liquid units that will begin to submit compliance reports in year 3.

i Number of occurrences is the number of units in year 3 that will submit these biennial compliance reports (existing small solid and liquid subcategories). j Energy audits only occur at existing facilities with large units.

k Total cost is based on the number of trips taken by EPA to observe performance tests in year 1 (4.A. & 4.B.) multiplied by \$1104 per trip. The source for hotel and meals/incidental costs is based on FY' 10 per diem rates, averaged across all locations in the United States. Airfares are estimated based on experience from other rulemakings. See: http://www.gsa.gov/Portal/gsa/ep/contentView.do?contentId=17943&contentType=GSA\_BASIC

L These rates are from the Office of Personnel Management (OPM), 2010 General Schedule, which excludes locality rates of pay. The rates have been increased by 60 percent to account for the benefit packages available to government employees. These rates can be obtained from the OPM web site, http://www.opm.gov/oca/payrates/index/htm.