		REPORTING		RECORD	KEEPING
ICRAS SUMMARY	Annual Burden Hours	Number of Respondents (Facilities)		Annualized Capital/Start-up and O&M	Annual Burden Hours
Year 1	79,248	1,616	1,637	\$ 342,692	498
Year 2	163,920	814	34	\$ 90,496,334	956
Year 3	229,010	1,623	3,758	\$ 112,720,111	152,865
Overall Average Annual Estimates	157,393	1,351	1,809	\$ 67,853,046	51,440
Cost per Response				\$ 37,501	
Burden Hours per Response				115	

INDUSTRY	3- year period		Average per year	Public Sector	Private Sector
Total HOURS	626,497		208,832.49	13,116.97	195,715.53
TOTAL COSTS (non-labor)	\$ 203,559,137	\$	67,853,046	\$ 4,261,914	\$ 63,591,132
Total LABOR COSTS	\$ 59,259,852	\$	19,753,284	\$ 1,240,722	\$ 18,512,561
TOTAL LABOR AND NON-Labor COSTS	\$ 262,818,989	\$	87,606,330	\$ 5,502,636	\$ 82,103,693
	Sma	I Enti	ity Respondents per year	11	111
		Tot	tal Respondents per year	85	1,266

AGENCY	3- year period	Average per year
Hours	280,943	93,648
Costs (labor + travel)	\$ 14,766,086	\$ 4,922,029
Costs (labor + travel)	\$ 14,766,086	\$ 4,922,029

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

R. Register Schollers  1. Conduct Enterny Audit  20		for Hazardou	s Air Pollutan	ts (NESHAP) f	or Industria	ıl, Commercial	, and Institut	tional Boilers -	Year 1, Exi	sting Large	e Solid Fue	el Units			
Part								1							
Part					'	1		i '		, ,					
Part						1		i '							
Part						1		i '							
Part					'	1		i '		, ,					
Marche Name					'	1		i '	(H)	(1)	(J)				
December		(A) Respondent		(C) Stack	'	1	(F) Technical	i '	Technical	Clerical	Manageme				
1. Appellations   1. Appella		Hours per	(B) Certified	Testing and				i '							l s
1. Appellations   1. Appella		Occurrence	Energy Audit	Fuel Analysis	Non-Labor	Occurrences	Respondent	(G) Number of	Year @	Year @	per Year @		Labor Capital	(M) Total Number	rl ₫
1. Appellations   1. Appella		(Technical	Cost per	Cost Per	Costs Per	Per Respondent	Per Year	Respondents	\$98.20 (F X	\$48.53 (H	\$114.49 (H	(K) Total Labor	Costs Per Year	of Responses per	rl 등
1. Appellations   1. Appella	Burden Item	hours)	Occurrence	Occurrence	Occurrence	Per Year\	(A X E)	Per Year	G) !	X 0.1)	X .05)	Costs Per Year	[(B+C+D)xExG]	Year (E X G)	1 12
2   Survey and Socialists							_ ` /		/	<del>- ' '  </del>	,		10 - 7 - 7	+ ( .,	+-
3 Reporting Polymeraters  40 50 50 50 1 1 10 117 1 10 10 10 10 10 0 0 0 0 0								·		$\vdash$				+	+
Read and tolestempted flage Resignments   40   50   50   50   1   40   117   4.685   468   724   500,079   10   0   0   0   0   0   0   0   0		πα						<u> </u>		$\perp$					_
Repaired Activities															_
1. Consider Energy Audit  (Company)  (Compan		40	\$0	\$0	\$0	1	40	117	4,680	468	234	\$509,079	\$0	0	a
a) Commercial   20   8854   80   90   1   20   0   0   0   0   80   80   80   8	B. Required Activities						1	· ·							
a) Commercial   20   8854   80   90   1   20   0   0   0   0   80   80   80   8	Conduct Energy Audit														
Disclaration   20   \$13,200   \$0   \$0   \$0   \$0   \$0   \$0   \$0		20	\$854	\$0	\$0	1	20	0	0	0	0	\$0	\$0	+	h. c.
2. First Sizes First and Plagering First Play 122 93 85,000 80 1 1 12 0 0 0 0 0 80 80 80 80 0 0 0 0 80 80 80						1			<u> </u>		0			+	
3. The Stack Test and Region (the High) 12 90 8,85,000 80 1 1 12 0 0 0 0 0 0 30 80 60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0															
4. Final Stack Treat and Report (or Hot) 12	Initial Stack Test and Report (for PM)	12				1	12								
S. Firela Sosk-Treat and Report (or CO)  12	Initial Stack Test and Report (for Hg)					1			0						С
S. Firela Sosk-Treat and Report (or CO)  12	Initial Stack Test and Report (for HCI)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0		С
C. Friend Stack Test and Report (for DPS)   12   89   \$15,000   80   1   12   0   0   0   0   30   \$50   0   0   0   0   0   0   0   0   0	Initial Stack Test and Report (for CO)			\$7,000	\$0	1	12	0	0		0				
## Committed Figure (19 PM)   12   50   \$5,000   50   1   12   0   0   0   0   50   50   0   0   0						_								+	
8. Amail Stack Test and Report (Or HQ) 5. Amail Stack Test and Report (Or HQ) 5. Amail Stack Test and Report (Or HQ) 5. Amail Stack Test and Report (Or HQ) 11. Amail Stack Test and Report (Or HQ) 12. \$10. \$850.00 \$0. \$1. \$1. \$12. \$0. \$0. \$0. \$0. \$0. \$0. \$0. \$0. \$0. \$0														+	
3. Arranal Stack Test and Report (or PG)  1. Company Stack Test and Repo						_									
10. Arrawal States feet and Report (for CO) 12				\$8,000					1 ° 1						C,j
110 Annual State Test and Reprot (or CO) 112   80   \$7,900   80   1   122   0   0   0   0   80   80   80   0   0						1									C,j
11. Private National Register (February Register (February 2014) 12. Priside Private Agricysis for Mercury and Price Comment 5		12	\$0	\$7,000	\$0	1	12	0	0	0	0	\$0	\$0	1	C,j
12: Initial Fuel Analysis for Mercury and HCL Content 5						1		0	0		0			+	Ci
13. Mornity Fuel Analysis for Mescury and PLC Connect 5 80 \$40.0 \$0 12 60 0 0 0 0 0 0 80 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0						<del>- i -</del>								+	
14. Communicary Parameter Monitoring plan (al)   40   80   80   80   80   80   80   80														+	
Establish Site-appelic monitoring plant (all)		2	ΦU	\$4UU	ΦU	12	υO	U	_ U	U	U	ΦU	⇒U		c,g
Opacity a) mined b) annual	Continuous Parameter Monitoring				'	1	,	· '							
Opacity	Establish Site-specific monitoring plan (all)	40	\$0		\$0	1	40	0	0	0	0	\$0	\$0		С
a) initial  1) 50 S0 S0 S\$1,700 1 10 0 0 0 0 0 30 50 S0 S0 S0 S1,700 1 10 0 0 0 0 0 30 50 S0	Onacity													+	_
Description   Security   Description   Des		10	¢n	40	\$43.100	1 1	10	0			0	\$0	\$0	+	С
PM (only sources greater than 250 mm/Blushy)						<del></del>									
a   minist   10   80   30   \$158,000   1   10   0   0   0   0   0   50   \$50   \$50   c   c	D) annual	10	ΦU	<b>⊅</b> U	\$14,700	1	10	U	0	U	U	ΦU	<b>\$</b> 0		L C
Description															
CO (only sources greater than 100 mmBluthry) a) initial 10 \$0 \$0 \$30 \$30 \$50 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	a) initial	10	\$0	\$0	\$158,000	1	10	0	0	0	0	\$0	\$0		c,f
CO (only sources greater than 100 mmBluthry) a) initial 1	b) annual	10	\$0	\$0	\$56,100	1	10	0	0	0	0	\$0	\$0	1	С
a) minist   10   50   50   50   50   50   50   50	CO (only sources greater than 100 mmBtu/hr)				-					-				+	_
Service System Monitoring and Operation (for units with wet scrubbers)   Service System Monitoring and Operation (for units with wet scrubbers)   Service System Monitoring and Operation (all surface)   Service System Operation (all surface)   Service System Operation (all surface)   Service System Operation (all sources that twe fasher filters)   Service System Operation (all sources that twe fasher filters)   Service System Operation (all sources that twe fasher filters)   Service System Operation (all sources that twe fasher filters)   Service System Operation (all sources that twe fasher filters)   Service System Operation (all sources that twe fasher filters)   Service System Operation (all sources that twe fasher filters)   Service System Operation (all sources that twe fasher filters)   Service System Operation (all sources that twe fasher filters)   Service System Operation (all sources that twe fasher filters)   Service System Operation (all sources that twe fasher filters)   Service System Operation (all sources that twe fasher filters)   Service System Operation (all sources that twe fasher filters)   Service System Operation (all sources that twe fasher filters)   Service System Operation (all sources that twe fasher filters)   Service System Operation (all sources that twe fasher filters)   Service System Operation (all sources that twe fasher filters)   Service System Operation (all sources that twe fasher filters)   Service System Operation (all sources that twe fasher filters)   Service System Operation (all sources that twe fasher filters)   Service System Operation (all sources that twe fasher filters)   Service System Operation (all sources that twe fasher filters)   Service System Operation (all sources System Operation (all		10	en en	<u>en</u>	\$160,000	1 1	10	0	<u> </u>	$\vdash$	0	40	en	+	o f
Scrubber System Monitoring and Operation (for units with well sembles)   Society   S						-									U,I
(for units with wet scrubbers)		10	\$0	\$0	\$53,600	1	10	U	0	0	U	\$0	\$0		
(for units with wet scrubbers)	Scrubber System Monitoring and Operation		l		1 '	1	1	ı '	1	, ,	1			1	1
a) nitial	(for units with wet scrubbers)		l		1 '	1	1	ı '	1	, ,	1			1	1
Bag Leak Detection System Operation   Bag Leak Detection System   Bag Leak Detection Syste		10	\$0	\$0	\$24,300	1	10	0	0	0	0	\$0	\$0		С
Bay Leak Detection System Operation (all sources that have fabric filters)   10   50   80   355,500   1   10   0   0   0   0   50   80   0   0   0   0   0   0   0   0						1					0			+	С
(all sources that have fabric filters)  a) initial  b) 30 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0		100	40		40,000	<del></del>	10			⊢ٿ ⊢		+	-	+	Ť
A   mital	Bag Leak Detection System Operation					1		'		1					
Digrammal   Digr															
Carbon Injection Monitoring System (all sources that use ACI to control Hg)   So   So   \$30   \$3115,000   1   10   0   0   0   0   0   0   \$50						1									С
(all sources that use ACI to control Hg)  a) initial  a) initial  b) 90 90 \$11,000 1 10 0 0 0 0 0 0 90 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	b) annual	10	\$0	\$0	\$9,700	1	10	0	0	0	0	\$0	\$0		С
(all sources that use ACI to control Hg)  a) initial  a) initial  b) 90 90 \$11,000 1 10 0 0 0 0 0 0 90 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	Carbon Injection Monitoring System				$\overline{}$					$\overline{}$					_
A   Initial   10   \$0   \$0   \$0   \$115,000   1   10   0   0   0   0   0   \$0   \$			l		1 '	1	1	ı '	1	, ,	1			1	1
C   Create information		10	<b>en</b>	<u>+</u>	\$11E 000	1 1	10		<del></del>	-	<u> </u>	<u>+ •0</u>		+	1
C. Create Information   na						_									
D. Gather Information   na			\$0	\$0	\$9,700	1	10	U	0	U	0	\$0	\$0		С
E. Report Preparation  1) Initial Notification that Source is Subject  2 \$0 \$0 \$0 \$0 1 2 117 234 23 12 \$25,454 \$0 117 a 2 2 117 234 23 12 \$25,454 \$0 117 a 2 2 117 234 23 12 \$25,454 \$0 117 a 2 2 117 234 23 12 \$25,454 \$0 117 a 2 2 117 a 234 23 12 \$25,454 \$0 117 a 2 2 117 a 234 23 12 \$25,454 \$0 117 a 2 2 117 a 234 23 12 \$25,454 \$0 117 a 2 2 117 a 234 23 12 \$25,454 \$0 117 a 2 2 117 a 234 23 12 \$25,454 \$0 117 a 2 2 117 a 234 23 12 \$25,454 \$0 117 a 2 2 117 a 234 23 12 \$25,454 \$0 117 a 2 2 117 a 234 23 12 \$25,454 \$0 117 a 2 2 117 a 234 23 12 \$25,454 \$0 117 a 2 2 117 a 234 23 12 \$25,454 \$0 117 a 2 2 2 4 4 5 117 a 234 23 12 \$25,454 \$0 117 a 2 2 2 2 2 4 4 2 2 3 2 3 2 2 \$25,454 \$0 117 a 2 2 2 2 2 4 4 2 2 3 2 3 2 2 \$25,454 \$0 117 a 2 2 2 2 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3						1		1		7					
E. Report Preparation  1) Initial Notification that Source is Subject  2 \$0 \$0 \$0 \$0 \$1 2 117 234 23 12 \$25.454 \$0 117 a 2 117 234 23 12 \$25.454 \$0 117 a 3 2 117 a 234 23 12 \$25.454 \$0 117 a 3 2 117 a 234 23 12 \$25.454 \$0 117 a 3 2 117 a 234 23 12 \$25.454 \$0 117 a 3 2 117 a 234 23 12 \$25.454 \$0 117 a 2 117 a 244 246 \$25.454 \$0 117 a 244 24	D. Gather Information	na													
1) Initial Notification that Source is Subject 2 \$50 \$0 \$0 \$0 \$1 2 117 234 23 12 \$25.454 \$50 117 8 2 2) Notification of Compliance Status 8 \$50 \$50 \$50 \$50 \$1 8 8 0 0 0 0 0 0 50 \$50 \$50 0 0 0 0 0 0 0 0	E. Report Preparation		i				<u> </u>								1
2) Notification of Compliance Status 8 8 \$0 \$0 \$0 \$1 8 0 0 0 0 80 \$0 \$0 0 0 0 0 0 0 0 0 0 0		2	\$n	\$0	\$n	1	2	117	234	23	12	\$25.454	50	117	a
3) Initial Report on results of Energy Audit 5 5 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0						<del>-</del>									
4) Semi-annual Compliance Report 20 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0															
Reporting Subtotal						1									С
4. Record/seeping Requirements	Semi-annual Compliance Report	20	\$0	\$0	\$0	2	40	0							a
4. Record/seeping Requirements	Reporting Subtotal								4,914	491	246	\$534,533	\$0	117	
A. Read Instructions   Included in 3a		<b> </b>				<del></del>	t					t		+	+
B. Implement Activities   na		Included in 25			+		<del>                                     </del>							+	+
C. Develop Record System  D. Record Information  1) Records of Operating Parameter Values  20 \$0 \$0 \$0 \$1 20 0 0 0 0 \$0 \$50 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0			<b> </b>		+'	<del></del>	<b> </b>					<del></del>		+	+
D. Record Information  1) Records of Operating Parameter Values  20  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0  \$0							'			$\vdash$					_
1) Records of Operating Parameter Values 20 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0		na													е
2) Records of Startup, Shutdown, Malfunction 15 \$0 \$0 \$0 \$0 1 15 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	D. Record Information														
2) Records of Startup, Shutdown, Malfunction 15 \$0 \$0 \$0 \$0 1 15 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	Records of Operating Parameter Values	20	\$0	\$0	\$0	1	20	0	0	0	0	\$0	\$0		С
3) Records of Stack Tests 2 50 50 50 1 2 0 0 0 0 0 50 50 50 c 0 4 Records of Montrol Device Calibrations 2 50 50 50 50 1 2 0 0 0 0 0 50 50 50 50 c 0 5 Records of All Compliance Reports Submitted 2 50 50 50 50 2 4 0 0 0 0 50 50 50 50 50 50 50 50 50 50 5						1		0						+	
4) Records of Monitoring Device Calibrations 2 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0						_								+	
5) Records of All Compliance Reports Submitted 2 \$0 \$0 \$0 \$0 2 4 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	Records of Stack Tests														
5) Records of All Compliance Reports Submitted 2 \$0 \$0 \$0 \$0 2 4 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	Records of Monitoring Device Calibrations					1									С
6) Records of Monthly Fuel Use 0.5 \$0 \$0 \$0 12 6 0 0 0 0 \$0 \$0 \$0 c c E. Personnel Training na F. Time for Audits na 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	5) Records of All Compliance Reports Submitted	2	\$0	\$0	\$0	2	4	0	0	0	0	\$0	\$0	1	С
E. Personnel Training   na	6) Records of Monthly Fuel Use	0.5	\$0	\$0	\$0	12	6	0	0	0	0	\$0	\$0		C
F. Time for Audits         na				+	+					<u> </u>	<u> </u>	+	<del></del>	+	+ -
Recordkeeping Subtotal         0         0         0         \$0         \$0							<b></b>							+	+
	F. TIME TOT AUGITS	па													$\perp$
Totals 4914 491 246 6524 522 60 117						1			1 0 7	. 0 7	0	I \$0	1 60		1 -
	Recordkeeping Subtotal										_	Ψ0			

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 8 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. Based on the distribution of facilities with affected boilers or process heaters, 87.4% of facilities are in the industrial sector while the remaining 12.6% of facilities are in the commercial sector.

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, no burden is assumed in year 1.

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. These site visits are assumed to be conducted by certified energy

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

f Only the number of new large solid fuel units with a rated heat input capacity of 100 mmBtu/hr or greater are subject to continuous monitoring requirements and records of monitoring device calibrations. g Existing large solid units are expected to determine compliance through stack testing and not fuel analysis

h Only units less than 250 mmBtu/hr are expected to perform stack testing for PM. Units greater than 250 mmBtu/hr will be equipped with a PM CEMS

i Only units less than 100 mmBtu/hr are expected to perform stack testing for CO. Units greater than 100 mmBtu/hr will be equipped with a CO CEMS

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

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 (J) (H) (A) Resnander (C) Stack F) Technica Technical Clerical Managem nt Hours (B) Certified (D) Other (E) Number of Hours per Respondent Hours per Hours per Year @ (L) Total Non-Labor Capital Testing and Hours per Energy Audit Cost per (G) Number of (M) Total Number Occurrence Fuel Analysis Non-Labor Occurrences Year @ per Year @ (Technical Cost Per Costs Per Per Resnonde Per Year Respondents Per Year \$98.20 (F \$48 53 (H \$114 49 (F (K) Total Lahor Costs Per Year of Responses pe Year (E X G) Burden Item Occurrence Per Year\ (A X E) X 0.1) X .05) Costs Per Year [(B+C+D)xExG] hours) Occurrence G) Occurrence 1. Applications 2. Surveys and Studies na 3. Reporting Requirements A. Read and Understand Rule Requirements 40 \$0 \$0 40 B. Required Activities Conduct Energy Audit a) Commerical **\$857** 20 140 1/ \$15,220 \$5,978 h) Industrial 20 \$18 292 \$0 \$0 20 1 020 102 51 \$110.953 \$932 892 b, c, d Initial Stack Test and Report (for PM) \$5,000 342 4,104 410 205 c.h 3. Initial Stack Test and Report (for Hg) \$0 \$8,000 12 491 5.892 589 295 \$640.917 \$3,928,000 Initial Stack Test and Report (for HCI) \$0 \$8,000 \$0 12 491 5.892 589 295 \$640.917 \$3.928.000 Initial Stack Test and Report (for CO) 2,052 205 \$223,211 \$7.000 \$0 171 103 \$1.197.000 12 c.i 6. Initial Stack Test and Report (for D/F) \$16,000 12 491 5,892 589 \$640,917 \$7,856,000 Annual Stack Test and Report (for PM) \$0 \$5,000 \$0 12 \$0 \$0 c,h,,j \$0 \$0 8. Annual Stack Test and Report (for Hg) \$8,000 \$0 12 C,j 9. Annual Stack Test and Report (for HCI) \$8,000 10. Annual Stack Test and Report (for CO) \$0 \$7.000 12 \$0 \$0 \$16,000 12 \$0 11. Annual Stack Test and Report (for D/F) 12 \$0 \$0 0 0 \$0 C.i 12. Initial Fuel Analysis for Mercury and HCL Content \$400 13. Monthly Fuel Analysis for Mercury and HCL Content \$400 60 \$0 14. Continuous Parameter Monitoring Establish Site-specific monitoring plan (all) \$0 40 59 2,360 236 \$256,715 118 С Opacity \$39 160 \$1.551.600 \$43 100 10 360 a) initial \$0 36 36 18 18 b) annual 36 С PM (only sources greater than 250 mmBtu/hr) \$158,000 \$162,078 \$23,542,000 a) initial \$0 \$0 10 149 1.490 149 c.f \$56,100 149 \$162,078 b) annual \$0 10 1.490 149 С CO (only sources greater than 100 mmBtu/hr) \$0 \$160,900 10 320 3.200 320 160 \$348.088 \$51,488,000 c,f \$348,088 \$17.152.000 b) annual \$0 \$0 \$53,600 10 320 3.200 320 160 Scrubber System Monitoring and Operation (for units with wet scrubbers) a) initial \$24,300 384 3.840 192 \$417,706 \$9.331.200 С 10 384 3,840 384 192 С Bag Leak Detection System Operation (all sources that have fabric filters) a) initial \$25,500 \$243,662 \$5,712,000 С 224 2,240 \$2,172,800 b) annual 224 112 \$243,662 С Carbon Injection Monitoring System (all sources that use ACI to control Hg) \$115,000 \$79,408 \$8,395,000 a) initial 730 b) annual \$9,700 730 \$79,408 \$708,100 73 73 С C. Create Information D. Gather Information E. Report Preparation 1) Initial Notification that Source is Subject sΩ sΩ \$0 2) Notification of Compliance Status \$0 \$0 \$0 \$0 Initial Report on results of Energy Audit \$0 \$0 С 4) Semi-annual Compliance Rep \$0 \$0 \$0 40 \$0 \$0 Reporting Subtotal 51,072 5,107 2,554 \$5,555,484 \$150,649,070 Recordkeeping Requirements A. Read Instructions Included in 3a B. Implement Activities na na C. Develop Record System D. Record Information 1) Records of Operating Parameter Value 2) Records of Startup, Shutdown, Malfunction 15 \$0 \$0 \$0 15 \$0 \$0 3) Records of Stack Tests \$0 \$0 \$0 \$0 С 4) Records of Monitoring Device Calibrations \$0 С

na

\$0

\$5,555,484

51,072

5,107

2,554

\$0

\$150,649,070

\$0

\$O

\$0

5) Records of All Compliance Reports Submitted
6) Records of Monthly Fuel Use

E. Personnel Training

F. Time for Audits Recordkeeping Subtotal

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. Based on the distribution of facilities with affected boilers or process heaters, 87.4% of facilities are in the industrial sector.

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.

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

f Only the number of new large solid fuel units with a rated heat input capacity of 100 mmBtu/hr or greater are subject to continuous monitoring requirements and records of monitoring device calibrations.

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

h Only units less than 250 mmBtu/hr are expected to perform stack testing for PM. Units greater than 250 mmBtu/hr will be equipped with a PM CEMS

i Only units less than 100 mmBtu/hr are expected to perform stack testing for CO. Units greater than 100 mmBtu/hr will be equipped with a CO CEMS

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 (H) (J) (A) Resnande (C) Stack F) Technica Technical Clerical (B) Certified (D) Other (E) Number of Hours per Year @ nt Hours (L) Total Non-Hours per Hours per Testing and Hours per Respondent (G) Number of (M) Total Number Energy Audit Cost per Labor Capital Occurrence Fuel Analysis Non-Labor Occurrences Year @ per Year @ (Technical Cost Per Costs Per er Resnonde Per Year Respondents Per Year \$98.20 (F \$48 53 (H \$114 49 (F (K) Total Lahor Costs Per Year of Responses pe Year (E X G) Burden Item Per Year\ (A X E) X 0.1) Costs Per Year [(B+C+D)xExG] hours) Occurrence Occurrence G) X .05) Occurrence 1. Applications 2. Surveys and Studies na 3. Reporting Requirements A. Read and Understand Rule Requirements 40 \$0 \$0 40 B. Required Activities 1. Conduct Energy Audit a) Commerical **\$854** 20 120 \$13.053 \$5,124 h) Industrial 20 \$18 292 \$0 \$0 20 50 1 000 100 50 \$108 778 \$914 600 c,h 2. Initial Stack Test and Report (for PM) \$5,000 342 4,104 410 205 \$1,710,000 12 3. Initial Stack Test and Report (for Hg) \$0 \$8,000 12 491 5.892 589 295 \$640.917 \$3,928,000 4. Initial Stack Test and Report (for HCI) \$0 \$8,000 12 491 5.892 589 295 \$640.917 \$3.928.000 2,052 205 5. Initial Stack Test and Report (for CO) \$7.000 103 \$223,211 \$1.197.000 \$0 12 171 c.i 6. Initial Stack Test and Report (for D/F) \$16,000 12 5,892 589 \$640.917 \$7,856,000 491 Annual Stack Test and Report (for PM) \$0 \$5,000 12 342 4.104 410 205 \$446.423 \$1.710.000 c,h,,j \$640.917 \$3.928.000 8. Annual Stack Test and Report (for Hg) \$0 \$8,000 \$0 12 491 5.892 589 295 C,j 9. Annual Stack Test and Report (for HCl 491 \$640.91 \$3,928,000 10. Annual Stack Test and Report (for CO) \$0 \$7.000 12 171 2.052 205 103 \$223,211 \$1.197.000 \$16,000 5.892 \$640.917 \$7.856,000 11. Annual Stack Test and Report (for D/F) 12 \$0 \$0 12 491 589 295 C.i 12. Initial Fuel Analysis for Mercury and HCL Content \$400 13. Monthly Fuel Analysis for Mercury and HCL Content \$400 60 \$0 \$0 14. Continuous Parameter Monitoring 40 59 2,340 234 \$254,539 Establish Site-specific monitoring plan (all) \$0 С Opacity \$43 100 \$39 160 \$1 551 600 a) initial \$0 10 36 360 36 18 36 b) annual 10 36 18 С PM (only sources greater than 250 mmBtu/hr) \$162,078 \$23,542,000 a) initial \$0 \$0 \$158,000 10 149 1.490 149 c.f 149 \$162,078 \$8,358,900 b) annual \$0 \$0 \$56,100 10 1.490 149 С CO (only sources greater than 100 mmBtu/hr) \$0 \$160,900 10 320 3.200 320 160 \$348.088 \$51,488,000 c,f \$17.152.000 b) annual \$0 \$0 \$53,600 10 320 3.200 320 160 \$348,088 Scrubber System Monitoring and Operation (for units with wet scrubbers) a) initial \$24,300 384 3.840 192 \$417,706 \$9.331.200 С 384 384 b) annual 3.840 192 С Bag Leak Detection System Operation (all sources that have fabric filters) a) initial \$25,500 \$243,662 \$5,712,000 С 224 b) annual 2.240 224 112 \$2.172.800 С Carbon Injection Monitoring System (all sources that use ACI to control Hg) \$115,000 \$79,408 \$8,395,000 a) initial 730 \$9,700 730 37 \$79,408 \$708,100 b) annua 73 73 С C. Create Information D. Gather Information E. Report Preparation 1) Initial Notification that Source is Subject sΩ sΩ sΩ 2) Notification of Compliance Status \$0 \$0 117 936 94 47 \$101.816 \$0 117 Initial Report on results of Energy Audit 585 \$63,635 \$0 117 59 29 117 С 4) Semi-annual Compliance Rep \$0 \$0 \$0 <u>4</u>0 117 4 680 468 234 \$509.079 \$0 234 Reporting Subtotal 81,045 8,105 4,052 \$8,815,872 \$169.248.924 468 Recordkeeping Requirements A. Read Instructions Included in 3a B. Implement Activities na na C. Develop Record System D. Record Information 1) Records of Operating Parameter Value 981 19 620 1 962 981 \$2 134 215 2) Records of Startup, Shutdown, Malfunction 15 \$0 \$0 \$0 15 981 14.715 1.472 736 \$1.600.661 \$0 С

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981

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1.962

1,962

3.924

5.886

48 069

129,114

196

196

392

589

4 807

12,911

98

196

294

2 403

6,456

\$213.421

\$213,421

\$426,843

\$640.264

\$5,228,826

\$14,044,698

\$0

\$0

\$0

\$169,248,924

С

С

С

468

\$O

\$0

\$0

3) Records of Stack Tests

E. Personnel Training

F. Time for Audits Recordkeeping Subtotal

6) Records of Monthly Fuel Use

4) Records of Monitoring Device Calibrations

5) Records of All Compliance Reports Submitted

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. Based on the distribution of facilities with affected boilers or process heaters, 87.4% of facilities are in the industrial sector while the remaining 12.6% of facilities are in the commercial sector.

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 sile visit, and an additional 2-4 hours to prepare a follow-up report on recommendations and findings. 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 Only the number of new large solid fuel units with a rated heat input capacity of 100 mmBtu/hr or greater are subject to continuous monitoring requirements and records of monitoring device calibrations.

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

h Only units less than 250 mmBtu/hr are expected to perform stack testing for PM. Units greater than 250 mmBtu/hr will be equipped with a PM CEMS

i Only units less than 100 mmBtu/hr are expected to perform stack testing for CO. Units greater than 100 mmBtu/hr will be equipped with a CO CEMS

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

	for Hazardous	s Air Pollutant	s (NESHAP) fo	or Industria	l, Commercial,	and Institut	ional Boilers -	Year 1, Exi	sting Large	Liquid Fu	el Units			
								(H)	(I)	(J)				
	(A) Respondent		(C) Stack			(F) Technical		Technical	Clerical	Manageme				1
	Hours per	(B) Certified	Testing and	(D) Other	(E) Number of	Hours per		Hours per	Hours per	nt Hours		(L) Total Non-		S
	Occurrence	Energy Audit	Fuel Analysis	Non-Labor	Occurrences	Respondent	(G) Number of	Year @	Year @	per Year @		Labor Capital	(M) Total Number	rl 👸
	(Technical	Cost per	Cost Per	Costs Per	Per Respondent	Per Year	Respondents	\$98.20 (F X	\$48.53 (H	\$114.49 (H	(K) Total Labor	Costs Per Year	of Responses per	rl ≅
Burden Item	hours)	Occurrence	Occurrence	Occurrence	Per Year\	(A X E)	Per Year	G) `	X 0.1)	X .05)	Costs Per Year	[(B+C+D)xExG]	Year (E X G)	Footnotes
1. Applications	na					` ′						. , ,	· , ,	
Surveys and Studies	na													+
3. Reporting Requirements														+
A. Read and Understand Rule Requirements	40	\$0	\$0	\$0	1	40	69	2,760	276	138	\$300,226	\$0	0	a
B. Required Activities	40	Ψ0	40	Ψ0	-	40	- 03	2,700	210	130	4000,220	Ψ0		- u
Required Activities     Conduct Energy Audit														b, c,
a) Commerical	20	\$854	\$0	\$0	1	20	0	0	0	0	\$0	\$0	0	b, c,
					1									D, C,
b) Industrial	20	\$18,292	\$0	\$0	1	20	0	0	0	0	\$0	\$0	0	
Initial Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12	0	0	0	0	\$0	\$0	0	c,h
Initial Stack Test and Report (for Hg)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0	0	С
Initial Stack Test and Report (for HCI)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0	0	С
Initial Stack Test and Report (for CO)	12	\$0	\$7,000	\$0	1	12	0	0	0	0	\$0	\$0	0	C,i
Initial Stack Test and Report (for D/F)	12	\$0	\$16,000	\$0	1	12	0	0	0	0	\$0	\$0	0	c
Annual Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12	0	0	0	0	\$0	\$0	0	c,h,
Annual Stack Test and Report (for Hg)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0	0	C,j
Annual Stack Test and Report (for HCl)      Annual Stack Test and Report (for HCl)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0	0	C,j
Annual Stack Test and Report (for CO)	12	\$0	\$7,000	\$0	1 1	12	0	0	0	0	\$0	\$0	0	C,I,
10. Annual Stack Test and Report (for CO)  11. Annual Stack Test and Report (for D/F)	12	\$0	\$16,000	\$0	1	12	0	0	0	0	\$0	\$0	0	
					1									C,j
12. Initial Fuel Analysis for Mercury and HCL Content	5	\$0	\$400	\$0	1	5	0	0	0	0	\$0	\$0	0	c,g
<ol> <li>Monthly Fuel Analysis for Mercury and HCL Content</li> </ol>	5	\$0	\$400	\$0	12	60	0	0	0	0	\$0	\$0	0	c,g
14. Continuous Parameter Monitoring														
Establish Site-specific monitoring plan (all)	40	\$0		\$0	1	40	0	0	0	0	\$0	\$0	0	С
Opacity														
a) initial	10	\$0	\$0	\$43,100	1	10	0	0	0	0	\$0	\$0	0	С
b) annual	10	\$0	\$0	\$14,700	1	10	0	0	0	0	\$0	\$0	0	С
PM (only sources greater than 250 mmBtu/hr)														+
a) initial	10	\$0	\$0	\$158,000	1	10	0	0	0	0	\$0	\$0	0	C,f
b) annual	10	\$0	\$0	\$56,100	1	10	0	0	0	0	\$0	\$0	0	C
CO (only sources greater than 100 mmBtu/hr)	10	Ψ0	40	450,100	-	10		L ů		L ů	Ψ0	40	<u> </u>	+ -
	10	\$0	\$0	\$160,900		10				0	\$0	\$0	-	1.1
a) initial					1		0	0	0				0	c,f
b) annual	10	\$0	\$0	\$53,600	1	10	0	0	0	0	\$0	\$0	0	
Scrubber System Monitoring and Operation														
(for units with wet scrubbers)														
a) initial	10	\$0	\$0	\$24,300	1	10	0	0	0	0	\$0	\$0	0	С
b) annual	10	\$0	\$0	\$5,600	1	10	0	0	0	0	\$0	\$0	0	С
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	C
b) annual	10	\$0	\$0	\$9,700	1	10	0	0	0	0	\$0	\$0	0	C
Carbon Injection Monitoring System		Ψ0	40	\$5,700	-	10		_	-	_	40		+	Ť
(all sources that use ACI to control Hg)	10	\$0	\$0	#11F 000		10	0	<b>L</b>	0	0	60	\$0	<b>!</b>	+-
a) initial				\$115,000	1			0			\$0		0	С
b) annual	10	\$0	\$0	\$9,700	1	10	0	0	0	0	\$0	\$0	0	С
C. Create Information	na													
D. Gather Information	na													
E. Report Preparation														
Initial Notification that Source is Subject	2	\$0	\$0	\$0	1	2	69	138	14	7	\$15,011	\$0	69	a
Notification of Compliance Status	8	\$0	\$0	\$0	1	8	0	0	0	0	\$0	\$0	0	С
Initial Report on results of Energy Audit	5	\$0	\$0	\$0	1	5	0	0	0	0	\$0	\$0	0	С
Semi-annual Compliance Report	20	\$0	\$0	\$0	2	40	0	Ö	Ö	Ö	\$0	\$0	<del>  0</del>	a
Reporting Subtotal			+	<del></del>	<del>-</del>			2,898	290	145	\$315,237	\$0	69	+ ~
Recordkeeping Requirements						1		2,330	230	170	4010,201	40	1 00	+
A. Read Instructions	Landard In Co.			-		1	<b> </b>	-			1			+-
A. Read Instructions  B. Implement Activities			I	-				-			1	-		_
Implement Activities	Included in 3a				1									1
O. Berneley Bernel Content	na												1	е
C. Develop Record System														
D. Record Information	na na													
	na na 20	\$0	\$0	\$0	1	20	0	0	0	0	\$0	\$0	0	С
D. Record Information  1) Records of Operating Parameter Values	na na	\$0 \$0	\$0 \$0	\$0 \$0	1 1	20 15	0	0	0	0	\$0 \$0	\$0 \$0	0	-
D. Record Information     1) Records of Operating Parameter Values     2) Records of Startup, Shutdown, Malfunction	na na 20	\$0	\$0	\$0	-	15	-	-	0	0	\$0	\$0	-	С
D. Record Information     1) Records of Operating Parameter Values     2) Records of Startup, Shutdown, Malfunction     3) Records of Stack Tests	na na 20 15 2	\$0 \$0	\$0 \$0	\$0 \$0	1 1	15 2	0	0	0	0	\$0 \$0	\$0 \$0	0	C
Record Information     Records of Operating Parameter Values     Records of Startup, Shutdown, Malfunction     Records of Stack Tests     Records of Montoring Device Calibrations	na na 20 15 2	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	1	15 2 2	0 0	0 0	0 0 0	0 0	\$0 \$0 \$0	\$0 \$0 \$0	0 0	C C
D. Record Information 1) Records of Operating Parameter Values 2) Records of Startup, Shutdown, Malfunction 3) Records of Stack Tests 4) Records of Monitoring Device Calibrations 5) Records of All Compliance Reports Submitted	na na 20 15 2 2 2 2	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	1 1 1 2	15 2 2 4	0 0 0	0 0 0	0 0 0	0 0 0	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	0 0 0	C C C
D. Record Information 1) Records of Operating Parameter Values 2) Records of Startup, Shutdown, Malfunction 3) Records of Stack Tests 4) Records of Monitoring Device Calibrations 5) Records of Monitoring Device Reports Submitted 6) Records of Montiby Fuel Use	na na 20 15 2 2 2 0.5	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	1 1 1	15 2 2	0 0	0 0	0 0 0	0 0	\$0 \$0 \$0	\$0 \$0 \$0	0 0	C C C
D. Record Information 1) Records of Operating Parameter Values 2) Records of Startup, Shutdown, Malfunction 3) Records of Stack Tests 4) Records of Monitoring Device Calibrations 5) Records of All Compliance Reports Submitted 6) Records of Monthly Fuel Use E- Personnel Training	na na 20 15 2 2 2 2 0.5 na	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	1 1 1 2	15 2 2 4	0 0 0	0 0 0	0 0 0	0 0 0	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	0 0 0	C C C
D. Record Information 1) Records of Operating Parameter Values 2) Records of Startup, Shutdown, Malfunction 3) Records of Stack Tests 4) Records of Monitoring Device Calibrations 5) Records of All Compliance Reports Submitted 6) Records of Monthly Fuel Use E. Personnel Training F. Time for Audits	na na 20 15 2 2 2 0.5	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	1 1 1 2	15 2 2 4	0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0	\$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0	0 0 0 0 0	C C C
D. Record Information 1) Records of Operating Parameter Values 2) Records of Startup, Shutdown, Malfunction 3) Records of Stack Tests 4) Records of Monitoring Device Calibrations 5) Records of All Compliance Reports Submitted 6) Records of Monthly Fuel Use E- Personnel Training	na na 20 15 2 2 2 2 0.5 na	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	1 1 1 2	15 2 2 4	0 0 0	0 0 0	0 0 0	0 0 0	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	0 0 0	C C C C

a Number of respondents based on number of existing large liquid fuel boilers which includes units greater than 10 mmBtu/hr (assumption of 8 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. Based on the distribution of facilities with affected boilers or process heaters, 87.4% of facilities are in the industrial sector while the remaining 12.6% of facilities are in the commercial sector.

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, no burden is assumed in year 1.

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. These site visits are assumed to be conducted by certified energy

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

f Only the number of new large liquid fuel units with a rated heat input capacity of 100 mmBtu/hr or greater are subject to continuous monitoring requirements and records of monitoring device calibrations.

g Existing large liquid units are expected to determine compliance for Hg and HCl through fuel analysis not stack testing. Fuel testing is only required every 5 years so no annual burden is assigned in years 2 and 3.

h Only units less than 250 mmBtu/hr are expected to perform stack testing for PM. Units greater than 250 mmBtu/hr will be equipped with a PM CEMS i Only units less than 100 mmBtu/hr are expected to perform stack testing for CO. Units greater than 100 mmBtu/hr will be equipped with a CO CEMS

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

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

	for Hazardous	Air Pollutant	S (NESHAP) TO	or industria	i, Commerciai,	, and institut	ional Boilers -	Year 2, Exi	Sting Larg	e Liquia Fu	eronits			
														1
								(H)	(I)	(J)				1
	(A) Respondent		(C) Stack			(F) Technical		Technical	Clerical	Manageme				1
	Hours per	(B) Certified	Testing and	(D) Other	(E) Number of	Hours per		Hours per	Hours per	nt Hours		(L) Total Non-		8
	Occurrence	Energy Audit	Fuel Analysis	Non-Labor	Occurrences	Respondent	(G) Number of	Year @	Year @	per Year @		Labor Capital	(M) Total Number	: t
	(Technical	Cost per	Cost Per	Costs Per	Per Respondent	Per Year	Respondents	\$98.20 (F X	\$48.53 (H	\$114.49 (H	(K) Total Labor	Costs Per Year	of Responses per	:   등
Burden Item	hours)	Occurrence	Occurrence	Occurrence	Per Year\	(A X E)	Per Year	G)	X 0.1)	X .05)	Costs Per Year	[(B+C+D)xExG]	Year (E X G)	Footnot
1. Applications	na na					( ,		-,	,	,		[()		+=
2. Surveys and Studies	na													+
	Πα													-
Reporting Requirements														
Read and Understand Rule Requirements	40	\$0	\$0	\$0	1	40	0	0	0	0	\$0	\$0		a
B. Required Activities														
Conduct Energy Audit														T
a) Commerical	20	\$854	\$0	\$0	1	20	4	80	- 8	4	\$8,702	\$3,416		b, c, (
b) Industrial	20	\$18,292	\$0	\$0	1	20	30	600	60	30	\$65,267	\$548,760		b, c, 0
Initial Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12	291	3,492	349	175	\$379,851	\$1,455,000		c,h
Initial Stack Test and Report (for Hg)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0		C
Initial Stack Test and Report (for HCl)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0		С
Initial Stack Test and Report (for CO)	12	\$0	\$7,000	\$0	1	12	38	456	46	23	\$49,603	\$266,000		C,i
Initial Stack Test and Report (for D/F)	12	\$0	\$16,000	\$0	1	12	291	3,492	349	175	\$379,851	\$4,656,000		С
Annual Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12	0	0	0	0	\$0	\$0		c,h,,
Annual Stack Test and Report (for Hg)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0		C,j
Annual Stack Test and Report (for HCI)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0		
					_			-						C,j
Annual Stack Test and Report (for CO)	12	\$0	\$7,000	\$0	1	12	0	0	0	0	\$0	\$0		c,l,j
<ol> <li>Annual Stack Test and Report (for D/F)</li> </ol>	12	\$0	\$16,000	\$0	1	12	0	0	0	0	\$0	\$0		C,j
<ol> <li>Initial Fuel Analysis for Mercury and HCL Content</li> </ol>	5	\$0	\$400	\$0	1	5	291	1,455	146	73	\$158,271	\$116,400		c,g
13. Monthly Fuel Analysis for Mercury and HCL Content	5	\$0	\$400	\$0	12	60	0	0	0	0	\$0	\$0		c,g
14. Continuous Parameter Monitoring														+
Establish Site-specific monitoring plan (all)	40	\$0		\$0	1	40	35	1,380	138	69	\$150,113	\$0		С
	40	Φ0		Φ0	1	40	33	1,300	130	09	\$130,113	<b>\$</b> 0		+-
Opacity														
a) initial	10	\$0	\$0	\$43,100	1	10	2	20	2	1	\$2,176	\$86,200		С
b) annual	10	\$0	\$0	\$14,700	1	10	2	20	2	1	\$2,176	\$29,400		С
PM (only sources greater than 250 mmBtu/hr)														
a) initial	10	\$0	\$0	\$158,000	1	10	5	50	5	3	\$5,439	\$790,000		c,f
b) annual	10	\$0	\$0	\$56,100	1	10	5	50	5	3	\$5,439	\$280,500		C
CO (only sources greater than 100 mmBtu/hr)	10	ΨΟ	ΨΟ	Ψ30,100	-	10	,	30		,	Ψ0,400	Ψ200,300		+ ئ
	10	\$0	\$0	6100 000	1	10	14	140	1.4	-	615 220	#2.2E2.600		1 06
a) initial				\$160,900	1				14	/	\$15,229	\$2,252,600		c,f
b) annual	10	\$0	\$0	\$53,600	1	10	14	140	14	7	\$15,229	\$750,400		
Scrubber System Monitoring and Operation														T
(for units with wet scrubbers)														
a) initial	10	\$0	\$0	\$24.300	1	10	289	2.890	289	145	\$314.367	\$7.022.700		С
b) annual	10	\$0	\$0	\$5,600	1	10	289	2,890	289	145	\$314,367	\$1,618,400		C
Bag Leak Detection System Operation		Ψ0		40,000	-	10	200	2,000	200	1-10	4014,007	<b>\$2,020,400</b>		+ů
(all sources that have fabric filters)														
a) initial	10	\$0	\$0	\$25,500	1	10	1	10	1	1	\$1,088	\$25,500		С
b) annual	10	\$0	\$0	\$9,700	1	10	1	10	1	1	\$1,088	\$9,700		С
Carbon Injection Monitoring System														1
(all sources that use ACI to control Hg)		1	1	1	1	1		1	1			1		1
a) initial	10	\$0	\$0	\$115,000	1	10	1	10	1	1	\$1,088	\$115,000		c,k
b) annual	10	\$0	\$0	\$9.700	1	10	1	10	1	1	\$1,088	\$9,700		C
		φυ	φυ	φ3,100	-	10	1	10	-		Φ1,000	φ5,100		+-
C. Create Information	na													
D. Gather Information	na													
E. Report Preparation														T
Initial Notification that Source is Subject	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0	0	a
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	Ö	0	Ö	\$0	\$0	Ö	C
Semi-annual Compliance Report	20	\$0	\$0	\$0	2	40	0	0	0	0	\$0	\$0	0	
	20	ΦU	ΦU	ΦU		40	U							С
Reporting Subtotal								17,195	1,720	860	\$1,870,429	\$20,035,676	0	$\perp$
Recordkeeping Requirements														
A. Read Instructions	Included in 3a													T
B. Implement Activities	na													_
C. Develop Record System	na	<del> </del>	-	-		<del> </del>			l					е
D. Record Information	1		-	-		-			l					<del>Ť</del>
		***		***	<b>.</b>						40			+
Records of Operating Parameter Values	20	\$0	\$0	\$0	1	20	0	0	0	0	\$0	\$0		С
Records of Startup, Shutdown, Malfunction	15	\$0	\$0	\$0	1	15	0	0	0	0	\$0	\$0		С
Records of Stack Tests	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0		С
Records of Monitoring Device Calibrations	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0		c
5) Records of All Compliance Reports Submitted	2	\$0	\$0	\$0	2	4	0	0	0	ō	\$0	\$0		c
6) Records of Monthly Fuel Use	0.5	\$0	\$0	\$0	12	6	0	0	0	0	\$0	\$0		C
		Ψυ	φυ	φυ	14	U	U	, , ,	U U	, , ,	φυ	φυ		+-
						1		1	1	1			I .	1
E. Personnel Training	na													
F. Time for Audits														
	na							0	0	0	\$0	\$0		$\vdash$
F. Time for Audits	na							0 17,195	0	0	\$0 \$1,870,429	\$0 \$20,035,676	0	E

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.

j 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.

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. Based on the distribution of facilities with affected boilers or process heaters, 87.4% of facilities are in the industrial sector while the remaining 12.6% of facilities are in the commercial sector.

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. professionals.

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

f Only the number of new large solid fuel units with a rated heat input capacity of 100 mmBtu/hr or greater are subject to continuous monitoring requirements and records of monitoring device calibrations.

g Existing large liquid units are expected to determine compliance for Hg and HCI through fuel analysis not stack testing. Fuel testing is only required every 5 years so no annual burden is assigned in years 2 and 3.

h Only units less than 250 mmBtu/hr are expected to perform stack testing for PM. Units greater than 250 mmBtu/hr will be equipped with a PM CEMS

i Only units less than 100 mmBtu/hr are expected to perform stack testing for CO. Units greater than 100 mmBtu/hr will be equipped with a CO CEMS

k Only 1 existing large liquid fuel unit is equipped with an ACI system. It is assumed that this unit will meet compliance in year 2. No burden from ACI system operation is expected in year 3

Table 2.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 Liquid Fuel Units

	ioi nazaruous	All Pollutarit	S (NESHAP) IC	Ji illuusula	i, Commerciai,	anu msutut	onal Bollers -	Teal 3, Exi	Sung Large	Liquiu Fu	ei Onics			
	(A) Respondent Hours per	(B) Certified	(C) Stack Testing and	(D) Other	(E) Number of	(F) Technical Hours per		(H) Technical Hours per	(I) Clerical Hours per	(J) Manageme nt Hours		(L) Total Non-		Se
Burden Item	Occurrence (Technical hours)	Energy Audit Cost per Occurrence	Fuel Analysis Cost Per Occurrence	Non-Labor Costs Per Occurrence	Occurrences Per Respondent Per Year\	Respondent Per Year (A X E)	(G) Number of Respondents Per Year	Year @ \$98.20 (F X G)	Year @ \$48.53 (H X 0.1)	per Year @ \$114.49 (H X .05)	(K) Total Labor Costs Per Year	Labor Capital Costs Per Year [(B+C+D)xExG]	(M) Total Number of Responses per Year (E X G)	Footnote
1. Applications	na	Occurrence	Occurrence	Occurrence	Terrear	(A X L)	1 CI TCM	- 0,	X 0.1)	X .00)	COSIST EL TELL	[(B+C+D)xExO]	Tear (E X O)	1 11
2. Surveys and Studies	na													
Reporting Requirements														
Read and Understand Rule Requirements	40	\$0	\$0	\$0	1	40	0	0	0	0	\$0	\$0		a
B. Required Activities 1. Conduct Energy Audit														
a) Commercial	20	\$854	\$0	\$0	1	20	4	80	8	4	\$8,702	\$3,416		b, c, d
b) Industrial	20	\$18,292	\$0	\$0	1	20	30	600	60	30	\$65,267	\$548,760		b, c, d
Initial Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12	291	3,492	349	175	\$379,851	\$1,455,000		c,h
Initial Stack Test and Report (for Hg)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0 \$0		С
Initial Stack Test and Report (for HCI)     Initial Stack Test and Report (for CO)	12 12	\$0 \$0	\$8,000 \$7,000	\$0 \$0	1	12	0 38	0 456	0 46	0 23	\$0 \$49,603	\$0 \$266,000		С
Initial Stack Test and Report (for CO)     Initial Stack Test and Report (for D/F)	12	\$0	\$16,000	\$0	1	12	291	3,492	349	175	\$379.851	\$4.656,000		C,i
7. Annual Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12	291	3,492	349	175	\$379,851	\$1,455,000		c,h,,j
Annual Stack Test and Report (for Hg)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0		C,j
Annual Stack Test and Report (for HCl)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0		c,j
Annual Stack Test and Report (for CO)     Annual Stack Test and Report (for D/F)	12 12	\$0 \$0	\$7,000 \$16,000	\$0 \$0	1	12 12	38 291	456 3.492	46 349	23 175	\$49,603 \$379,851	\$266,000 \$4.656,000		c,l,j
Annual Stack Lest and Report (for D/F)     Initial Fuel Analysis for Mercury and HCL Content	5	\$0 \$0	\$16,000	\$0	1	5	291	1,455	349 146	73	\$379,851	\$4,656,000		c,j
Monthly Fuel Analysis for Mercury and HCL Content	5	\$0	\$400	\$0	12	60	0	1,455	0	0	\$136,271	\$110,400		c,g
14. Continuous Parameter Monitoring											**			-19
Establish Site-specific monitoring plan (all)	40	\$0		\$0	1	40	35	1,380	138	69	\$150,113	\$0		С
Opacity														
a) initial b) annual	10 10	\$0 \$0	\$0 \$0	\$43,100 \$14,700	1	10 10	2	20 20	2	1	\$2,176 \$2,176	\$86,200 \$29,400		С
PM (only sources greater than 250 mmBtu/hr)	10	\$0	\$0	\$14,700	1	10	2	20	2	1	\$2,176	\$29,400		С
a) initial	10	\$0	\$0	\$158,000	1	10	5	50	5	3	\$5,439	\$790,000		c,f
b) annual	10	\$0	\$0	\$56,100	1	10	5	50	5	3	\$5,439	\$280,500		C
CO (only sources greater than 100 mmBtu/hr)														
a) initial	10	\$0	\$0	\$160,900	1	10	14	140	14	7	\$15,229	\$2,252,600		c,f
b) annual	10	\$0	\$0	\$53,600	1	10	14	140	14	7	\$15,229	\$750,400		
Scrubber System Monitoring and Operation (for units with wet scrubbers)														
a) initial	10	\$0	\$0	\$24,300	1	10	289	2,890	289	145	\$314,367	\$7,022,700		С
b) annual	10	\$0	\$0	\$5,600	1	10	289	2,890	289	145	\$314,367	\$1,618,400		C
Bag Leak Detection System Operation														
(all sources that have fabric filters)												***		
a) initial b) annual	10 10	\$0 \$0	\$0 \$0	\$25,500 \$9,700	1	10 10	1	10 10	1	1	\$1,088 \$1.088	\$25,500 \$9,700		С
Carbon Injection Monitoring System	10	\$0	\$0	\$9,700	1	10	1	10	1	1	\$1,088	\$9,700		С
(all sources that use ACI to control Hg)  a) initial	10	\$0	\$0	\$115,000	1	10	1	10	1	1	\$1.088	\$115,000		c,k
b) annual	10	\$0	\$0	\$9,700	1	10	1	10	1	1	\$1,088	\$9,700		C
C. Create Information	na					-					. ,	,		<u> </u>
D. Gather Information	na													
E. Report Preparation		***	***								40	**		
Initial Notification that Source is Subject     Notification of Compliance Status	2 8	\$0 \$0	\$0 \$0	\$0 \$0	1	2	0 69	0 552	0 55	0 28	\$0 \$60.045	\$0 \$0	0 69	a
Notification of Compliance Status     Initial Report on results of Energy Audit	5	\$0 \$0	\$0	\$0	1	5	69	345	35	17	\$50,045	\$0 \$0	69	C
Semi-annual Compliance Report	20	\$0	\$0	\$0	2	40	69	2,760	276	138	\$300,226	\$0	138	C
Reporting Subtotal				· · ·				28,292	2,829	1,415	\$3,077,533	\$26,412,676	276	T .
Recordkeeping Requirements														
A. Read Instructions	Included in 3a													
B. Implement Activities C. Develop Record System	na na													e
D. Record Information	11a													-
Records of Operating Parameter Values	20	\$0	\$0	\$0	1	20	581	11,620	1,162	581	\$1,263,995	\$0		С
Records of Startup, Shutdown, Malfunction	15	\$0	\$0	\$0	1	15	581	8,715	872	436	\$947,996	\$0		C
Records of Stack Tests	2	\$0	\$0	\$0	1	2	581	1,162	116	58	\$126,399	\$0		С
Records of Monitoring Device Calibrations	2	\$0	\$0	\$0	1	2	581	1,162	116	58	\$126,399	\$0		С
Records of All Compliance Reports Submitted	0.5	\$0 \$0	\$0	\$0 \$0	2 12	4	581	2,324	232	116 174	\$252,799	\$0		С
6) Decords of Monthly Fred Hea		<b>⊅</b> U	\$0	ψU	12	6	581	3,486	349	1/4	\$379,198	\$0		С
6) Records of Monthly Fuel Use														
E. Personnel Training	na													
								28,469	2,847	1,423	\$3,096,787	\$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.

j 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.

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. Based on the distribution of facilities with affected boilers or process heaters, 87.4% of facilities are in the industrial sector while the remaining 12.6% of facilities are in the commercial sector.

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. These site visits are assumed to be conducted by certified energy

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

f Only the number of new large solid fuel units with a rated heat input capacity of 100 mmBtu/hr or greater are subject to continuous monitoring requirements and records of monitoring device calibrations.

g Existing large liquid units are expected to determine compliance for Hg and HCl through fuel analysis not stack testing. Fuel testing is only required every 5 years so no annual burden is assigned in years 2 and 3. h Only units less than 250 mmBtuhr are expected to perform stack testing for PM. Units greater than 250 mmBtuhr will be equipped with a PM CEMS

i Only units less than 100 mmBtu/hr are expected to perform stack testing for CO. Units greater than 100 mmBtu/hr will be equipped with a CO CEMS

k Only 1 existing large liquid fuel unit is equipped with an ACI system. It is assumed that this unit will meet compliance in year 2. No burden from ACI system operation is expected in year 3

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 - Year 1. Existing Large Gas Fuel Units

	for Hazardou	ıs Air Pollutar	its (NESHAP)	for Industri	al, Commercia	I, and Institu	tional Boilers	- Year 1, Ex	isting Larg	je Gas Fuel	I Units			
	(A) Respondent Hours per Occurrence (Technical	(B) Certified Energy Audit Cost per	(C) Stack Testing and Fuel Analysis Cost Per	(D) Other Non-Labor Costs Per	(E) Number of Occurrences Per Respondent	(F) Technical Hours per Respondent Per Year	(G) Number of Respondents	(H) Technical Hours per Year @ \$98.20 (F X	(I) Clerical Hours per Year @ \$48.53 (H	(J) Manageme nt Hours per Year @ \$114.49 (H	(K) Total Labor	(L) Total Non- Labor Capital Costs Per Year	(M) Total Number of Responses per	
Burden Item	hours)	Occurrence	Occurrence	Occurrence		(A X E)	Per Year	G) `	X 0.1)	X .05)	Costs Per Year	[(B+C+D)xExG]	Year (E X G)	l i
. Applications	na			ļ				$\vdash$						$\perp$
2. Surveys and Studies 3. Reporting Requirements	na			-					$\vdash$					+-
A. Read and Understand Rule Requirements	40	\$0	\$0	\$0	1	40	544	21,760	2,176	1,088	\$2,366,998	\$0	0	a
B. Required Activities													0	+
Conduct Energy Audit													0	
a) Commerical	20	\$854	\$0	\$0	1	20	0	0	0	0	\$0	\$0	0	b, c
b) Industrial 2. Initial Stack Test and Report (for PM)	20 12	\$18,292 \$0	\$0 \$5,000	\$0 \$0	1	20 12	0	0	0	0	\$0 \$0	\$0 \$0	0	b, c
Initial Stack Test and Report (for Hg)  3. Initial Stack Test and Report (for Hg)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0	0	C,j,
Initial Stack Test and Report (for HCI)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0	0	C,j
Initial Stack Test and Report (for CO)	12	\$0	\$7,000	\$0	1	12	0	0	0	0	\$0	\$0	0	C,j
Initial Stack Test and Report (for D/F)	12	\$0	\$16,000	\$0	1	12	0	0	0	0	\$0	\$0	0	c,j,
7. Annual Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12	0	0	0	0	\$0	\$0	0	C,j,
Annual Stack Test and Report (for Hg)     Annual Stack Test and Report (for HCl)	12 12	\$0 \$0	\$8,000 \$8,000	\$0 \$0	1	12 12	0	0	0	0	\$0 \$0	\$0 \$0	0	C,j
Annual Stack Test and Report (for HCl)     Annual Stack Test and Report (for CO)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0	0	C,j
Annual Stack Test and Report (for D/F)	12	\$0	\$16,000	\$0	1	12	0	0	0	0	\$0	\$0	0	C,j
12. Initial Fuel Analysis for Mercury and HCL Content	5	\$0	\$400	\$0	1	5	0	0	0	0	\$0	\$0	0	C,
<ol> <li>Monthly Fuel Analysis for Mercury and HCL Content</li> </ol>	5	\$0	\$400	\$0	12	60	0	0	0	0	\$0	\$0	0	C,Q
14. Continuous Parameter Monitoring													0	
Establish Site-specific monitoring plan (all)	40	\$0		\$0	1	40	0	0	0	0	\$0	\$0	0	С
Opacity	10	\$0	\$0	\$43,100	1	10	0		0	0	\$0	\$0	0	1
a) initial b) annual	10	\$0	\$0	\$43,100	1	10	0	0	0	0	\$0	\$0	0	c,h
PM (only sources greater than 250 mmBtu/hr)	10	***	Ψ0	\$14,700		10		<u> </u>	⊢ٿ⊢		40	90	0	+ 0,1
a) initial	10	\$0	\$0	\$158,000	1	10	0	0	0	0	\$0	\$0	0	c,i
b) annual	10	\$0	\$0	\$56,100	1	10	0	0	0	0	\$0	\$0	0	C,l
CO (only sources greater than 100 mmBtu/hr)													0	
a) initial	10	\$0	\$0	\$160,900	1	10	0	0	0	0	\$0	\$0	0	C,
b) annual	10	\$0	\$0	\$53,600	1	10	0	0	0	0	\$0	\$0	0	C,
Scrubber System Monitoring and Operation (for units with wet scrubbers)  a) initial	10	\$0	\$0	\$24,300	1	10	0	0	0	0	\$0	\$0	0	
b) annual	10	\$0	\$0	\$5,600	1	10	0	0	0	Ö	\$0	\$0	0	c
Bag Leak Detection System Operation (all sources that have fabric filters)													0	T
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
15. Annual Tune-up	12	\$0	\$2,875	\$0	1	12	0	0	0	0	\$0	\$0	0	С
C. Create Information D. Gather Information	na na					ļ			$\vdash$				0	+
E. Report Preparation	riët.			<del>                                     </del>		<del> </del>			$\vdash$	<del></del>	<del>                                     </del>		0	+
Initial Notification that Source is Subject	2	\$0	\$0	\$0	1	2	544	1,088	109	54	\$118,350	\$0	544	l a
Notification of Compliance Status	8	\$0	\$0	\$0	1	8	0	0	0	0	\$0	\$0	0	
Initial Report on results of Energy Audit	5	\$0	\$0	\$0	1	5	0	0	0	0	\$0	\$0	0	-
Semi-annual Compliance Report	20	\$0	\$0	\$0	2	40	0	0	0	0	\$0	\$0	0	á
Percently Subtotal				ļ'				22,848	2,285	1,142	\$2,485,348	\$0	544	+
. Recordkeeping Requirements A. Read Instructions	Included in 3a		-	<u> </u>				<del></del>	$\vdash$					+
B. Implement Activities	na na			<u> </u>		<del>                                     </del>		$\vdash$	$\vdash$				+	+
C. Develop Record System	na								$\overline{}$		<del>                                     </del>		<del>                                     </del>	-
D. Record Information														T
Records of Operating Parameter Values	20	\$0	\$0	\$0	1	20	0	0	0	0	\$0	\$0		-
Records of Startup, Shutdown, Malfunction	15	\$0	\$0	\$0	1	15	0	0	0	0	\$0	\$0		(
Records of Stack Tests	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0		-
	2	\$0 \$0	\$0 \$0	\$0 \$0	1 2	2	0	0	0	0	\$0 \$0	\$0 \$0		
Records of Monitoring Device Calibrations     Records of All Compliance Reports Submitted					12	6	0	0	0	0	\$0	\$0		C
5) Records of All Compliance Reports Submitted	2		\$0					, ,				1 40	1	
5) Records of All Compliance Reports Submitted 6) Records of Monthly Fuel Use	0.5 0.25	\$0 \$0	\$0 \$0	\$0 \$0	1	0.25	0	0	0	0	\$0	\$0	0	- 1
5) Records of All Compliance Reports Submitted	0.5	\$0		\$0		0.25	0	0	0	0	\$0	\$0	0	+
5) Records of All Compliance Reports Submitted 6) Records of Monthly Fuel Use 7) Records of Annual Tune-up	0.5 0.25 na	\$0				0.25	0	0	0	0	\$0	\$0	0	-
Records of All Compliance Reports Submitted     Records of Monthly Fuel Use     Records of Annual Tune-up     Personnel Training	0.5 0.25	\$0				0.25	0	0	0	0	\$0 \$0	\$0 \$0	0	C

a Number of respondents based on number of existing large gas fuel boilers which includes natural, petroleum, and other gas fuel units greater than 10 mmBtu/hr (assumption of 8 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. Based on the distribution of facilities with affected boilers or process heaters, 87.4% of facilities are in the industrial sector while the remaining 12.6% of facilities are in the commercial sector.

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, no burden is assumed in year 1.

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. 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 Only the number of existing process gas (Gas 2) fuel units with a rated heat input capacity of 100 mmBtu/hr or greater are subject to continuous monitoring requirements and records of monitoring device calibrations. g Existing large gas 2 units are expected to determine compliance through stack testing not fuel analysis

h Only gas 2 units less than 250 mmBtu/hr are expected to perform stack testing for PM. Gas 2 units greater than 250 mmBtu/hr will be equipped with a PM CEMS

i Only gas 2 units less than 100 mmBtu/hr are expected to perform stack testing for CO. Gas 2 units greater than 100 mmBtu/hr will be equipped with a CO CEMS

j The units firing process gases other than natural gas or refinery gases have limits for HCI, Hg, D/F, and CO and are subject to testing and monitoring requirements for each pollutant.

k The recordkeeping and reporting requirements for natural gas fired units is to conduct an annual tune-up and document that the tune-up was completed. The documentation does not need to be submitted as a report unless requested by the Administrator.

#### 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 - Year 2. Existing Large Gas Fuel Units

	for Hazardoi	us Air Polluta	nts (NESHAP)	for Industr	ial, Commerci	al, and Insti	tutional Boilers	s - Year 2, I	Existing La	arge Gas Fi	iei Units			
								(H)	(1)	(J)				
	(A) Respondent		(C) Stack			(F) Technical		Technical	Clerical	Manageme				l ,,
	Hours per	(B) Certified	Testing and	(D) Other	(E) Number of	Hours per	(C) Number of	Hours per	Hours per	nt Hours		(L) Total Non-	(M) Total Number	l ş
	Occurrence (Technical	Energy Audit Cost per	Fuel Analysis Cost Per	Non-Labor Costs Per	Occurrences Per Respondent	Respondent Per Year	(G) Number of Respondents	Year @ \$98.20 (F X	Year @ \$48.53 (H	per Year @ \$114.49 (H	(K) Total Labor	Labor Capital Costs Per Year	(M) Total Number of Responses per	ļ ŝ
Burden Item	hours)	Occurrence	Occurrence	Occurrence	Per Year\	(A X E)	Per Year	G)	X 0.1)	X .05)	Costs Per Year	[(B+C+D)xExG]	Year (E X G)	Footnotes
1. Applications	na	Occurrence	Occurrence	Occurrence	rei reait	(A A E)	rei ieai	(3)	A 0.1)	A .03)	CUSIS FEI TEAI	[(B+C+D)XEXG]	rear (E A G)	ш.
Surveys and Studies	na													
Reporting Requirements	IIa													
A. Read and Understand Rule Requirements	40	\$0	\$0	\$0	1	40	_	_		_	\$0	\$0		-
	40	<b>⊅</b> U	ΦU	\$U	1	40	0	0	0	0	\$0	ΦU		a
B. Required Activities														
Conduct Energy Audit														ļ., .
a) Commerical	20	\$854	\$0	\$0	1	20	34	680	68	34	\$73,969	\$29,036		b, c, d
b) Industrial	20	\$18,292	\$0	\$0	1	20	238	4,760	476	238	\$517,781	\$4,353,496		b, c, d
Initial Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12	99	1,188	119	59	\$129,228	\$495,000		c,j,k
Initial Stack Test and Report (for Hg)	12	\$0	\$8,000	\$0	1	12	99	1,188	119	59	\$129,228	\$792,000		c,j,k
Initial Stack Test and Report (for HCI)	12	\$0	\$8,000	\$0	1	12	99	1,188	119	59	\$129,228	\$792,000		c,j,k
<ol><li>Initial Stack Test and Report (for CO)</li></ol>	12	\$0	\$7,000	\$0	1	12	38	456	46	23	\$49,603	\$266,000		c,j,k
Initial Stack Test and Report (for D/F)	12	\$0	\$16,000	\$0	1	12	99	1,188	119	59	\$129,228	\$1,584,000		c,j,k
Annual Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12	0	0	0	0	\$0	\$0		c,j,k
Annual Stack Test and Report (for Hg)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0	1	c,j,k
Annual Stack Test and Report (for HCI)	12	\$0	\$8,000	\$0	1	12	0	Ö	0	ō	\$0	\$0		c,j,k
10. Annual Stack Test and Report (for CO)	12	\$0	\$7,000	\$0	1	12	0	0	0	0	\$0	\$0		c,j,k
11. Annual Stack Test and Report (for D/F)	12	\$0	\$16,000	\$0	1	12	0	0	0	0	\$0	\$0		c,j,k
12. Initial Fuel Analysis for Mercury and HCL Content	5	\$0	\$400	\$0	1	5	0	0	0	0	\$0	\$0		c,g
13. Monthly Fuel Analysis for Mercury and HCL Content	5	\$0	\$400	\$0	12	60	0	0	0	0	\$0	\$0	1	c,g
14. Continuous Parameter Monitoring		40	ψ-100	- 40				-		-	40	40		0,9
Establish Site-specific monitoring plan (all)	40	\$0		\$0	1	40	12	480	48	24	\$52,213	\$0		С
Opacity Opacity	40	Φ0		30	-	40	12	400	40	24	Φ32,Z13	Ψ0		-
	10	\$0	\$0	\$43,100	1	10	0	0	0	0	\$0	\$0		c,h
a) initial														
b) annual	10	\$0	\$0	\$14,700	1	10	0	0	0	0	\$0	\$0		c,h
PM (only sources greater than 250 mmBtu/hr)														
a) initial	10	\$0	\$0	\$158,000	1	10	0	0	0	0	\$0	\$0		c,h
b) annual	10	\$0	\$0	\$56,100	1	10	0	0	0	0	\$0	\$0		c,h
CO (only sources greater than 100 mmBtu/hr)														
a) initial	10	\$0	\$0	\$160,900	1	10	7	70	7	4	\$7,614	\$1,126,300		c,f
b) annual	10	\$0	\$0	\$53,600	1	10	7	70	7	4	\$7,614	\$375,200		c,f
Scrubber System Monitoring and Operation														
(for units with wet scrubbers)														
a) initial	10	\$0	\$0	\$24,300	1	10	96	960	96	48	\$104,426	\$2,332,800		С
b) annual	10	\$0	\$0	\$5,600	1	10	96	960	96	48	\$104,426	\$537,600		С
Bag Leak Detection System Operation														
(all sources that have fabric filters)														
a) initial	10	\$0	\$0	\$25,500	1	10	96	960	96	48	\$104,426	\$2,448,000		С
b) annual	10	\$0	\$0	\$9,700	1	10	96	960	96	48	\$104,426	\$931,200		c
15. Annual Tune-up	12	\$0	\$2,875	\$0	1	12	2,194	26,328	2,633	1,316	\$2,863,894	\$6,307,750		c,k
C. Create Information	na na	40	Ψ <u>L</u> ,013				2,204	20,020	2,000	1,010	<b>\$2,000,004</b>	40,007,700	1	- J,K
D. Gather Information	na					-								-
E. Report Preparation	iia.			_		<del>                                     </del>				<del>                                     </del>	<del>                                     </del>		0	_
Neport Preparation     Initial Notification that Source is Subject	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0	0	a
Notification of Compliance Status	8	\$0	\$0	\$0	1	8	0	0	0	0	\$0	\$0	0	C
	5	\$0	\$0 \$0	\$0	1	5	0	0	0	0	\$0 \$0	\$0 \$0	0	
Initial Report on results of Energy Audit										0				С
Semi-annual Compliance Report	20	\$0	\$0	\$0	2	40	0	0	0		\$0	\$0	0	a
Reporting Subtotal								41,436	4,144	2,072	\$4,507,304	\$22,370,382	0	
Recordkeeping Requirements														
Read Instructions	Included in 3a													
B. Implement Activities	na													
C. Develop Record System	na													е
D. Record Information														
Records of Operating Parameter Values	20	\$0	\$0	\$0	1	20	0	0	0	0	\$0	\$0		С
Records of Startup, Shutdown, Malfunction	15	\$0	\$0	\$0	1	15	0	0	0	0	\$0	\$0		С
Records of Stack Tests	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0		С
Records of Monitoring Device Calibrations	2	\$0	\$0	\$0	1	2	Ö	0	0	0	\$0	\$0		c
5) Records of All Compliance Reports Submitted	2	\$0	\$0	\$0	2	4	0	0	0	0	\$0	\$0		C
6) Records of Monthly Fuel Use	0.5	\$0	\$0	\$0	12	6	0	0	0	0	\$0	\$0		c,g
7) Records of Monthly Puel Ose	0.25	\$0	\$0	\$0	1	0.25	0	0	0	0	\$0	\$0	0	C,y
E. Personnel Training	na	Ψ0	Ψ0	40	-	0.23		<u> </u>		-	Ψυ	Ψυ		<del>ٺ</del>
														-
F. Time for Audits	na													
Recordkeeping Subtotal								0	0	0	\$0	\$0		
Totals	1					1		41,436	4,144	2,072	\$4,507,304	\$22,370,382	0	
10000		1	L			L		42,400	-,,	,,	34,001,004			

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.

a The bottler for existing 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. Based on the distribution of facilities with affected boilers or process heaters, 87.4% of facilities are in the industrial sector while the remaining 12.6% of facilities are in the commercial sector.

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. These site visits are assumed to be conducted by certified energy accretionable.

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

f Only the number of existing process gas (Gas 2) fuel units with a rated heat input capacity of 100 mmBtu/hr or greater are subject to continuous monitoring requirements and records of monitoring device calibrations.

g Existing large gas 2 units are expected to determine compliance through stack testing.

h Gas units are exempt from PM CEMS and opacity monitoring.

i Only gas 2 units less than 100 mmBtu/hr are expected to perform stack testing for CO. Units greater than 100 mmBtu/hr will be equipped with a CO CEMS

The units firing process gases other than refinery gases have limits for HCl, Hg, D/F, and CO and are subject to testing and monitoring requirements for each pollutant.

k The recordkeeping and reporting requirements for natural gas fired units is to conduct an annual tune-up and document that the tune-up was completed. The documentation does not need to be submitted as a report unless requested by the Administrator.

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 - Year 3, Existing Large Gas Fuel Units

	for Hazardo	us Air Polluta	nts (NESHAP)	for Industr	rial, Commerci	ai, and instit	utional Boilers	- Year 3, E	xisting Lai	rge Gas Fue	el Units			
	(A) Respondent Hours per	(B) Certified	(C) Stack Testing and	(D) Other	(E) Number of	(F) Technical Hours per		(H) Technical Hours per	(I) Clerical Hours per	(J) Manageme nt Hours		(L) Total Non-		tes
Burden Item	Occurrence (Technical hours)	Energy Audit Cost per Occurrence	Fuel Analysis Cost Per Occurrence	Non-Labor Costs Per Occurrence	Occurrences Per Respondent Per Year\	Respondent Per Year (A X E)	(G) Number of Respondents Per Year	Year @ \$98.20 (F X G)	Year @ \$48.53 (H X 0.1)	per Year @ \$114.49 (H X .05)	(K) Total Labor Costs Per Year	Labor Capital Costs Per Year [(B+C+D)xExG]	(M) Total Number of Responses per Year (E X G)	
1. Applications	na					` ′		- '	- '	,		. , , ,	( .,	
Surveys and Studies	na													
Reporting Requirements									0		**			
A. Read and Understand Rule Requirements     B. Required Activities	40	\$0	\$0	\$0	1	40	0	0	0	0	\$0	\$0		a
Conduct Energy Audit														
a) Commerical	20	\$854	\$0	\$0	1	20	34	680	68	34	\$73,969	\$29,036		b, c, d
b) Industrial	20	\$18,292	\$0	\$0	1	20	238	4,760	476	238	\$517,781	\$4,353,496		b, c, d
Initial Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12	99	1,188	119	59	\$129,228	\$495,000		c,j,k
Initial Stack Test and Report (for Hg)     Initial Stack Test and Report (for HCl)	12 12	\$0 \$0	\$8,000 \$8,000	\$0 \$0	1	12 12	99 99	1,188 1,188	119 119	59 59	\$129,228 \$129,228	\$792,000 \$792,000		c,j,k c,j,k
Initial Stack Test and Report (for CO)      Initial Stack Test and Report (for CO)	12	\$0	\$7,000	\$0	1	12	38	456	46	23	\$49.603	\$266,000		c,j,k
Initial Stack Test and Report (for D/F)	12	\$0	\$16,000	\$0	1	12	99	1,188	119	59	\$129,228	\$1,584,000		c,j,k
Annual Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12	0	0	0	0	\$0	\$0		c,j,k
Annual Stack Test and Report (for Hg)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0		c,j,k
Annual Stack Test and Report (for HCI)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0		c,j,k
10. Annual Stack Test and Report (for CO)     11. Annual Stack Test and Report (for D/F)	12 12	\$0 \$0	\$7,000 \$16,000	\$0 \$0	1	12 12	0	0	0	0	\$0 \$0	\$0 \$0		c,j,k c,j,k
12. Initial Fuel Analysis for Mercury and HCL Content	5	\$0	\$400	\$0	1	5	0	0	0	0	\$0	\$0		c,j,k
Monthly Fuel Analysis for Mercury and HCL Content	5	\$0	\$400	\$0	12	60	0	0	0	0	\$0	\$0		c,g
14. Continuous Parameter Monitoring														-,5
Establish Site-specific monitoring plan (all)	40	\$0		\$0	1	40	12	480	48	24	\$52,213	\$0		С
Opacity a) initial	10	\$0	\$0	\$43.100		10	0	0	0	0	\$0	\$0		c,h
b) annual	10	\$0	\$0	\$14,700	1	10	0	0	0	0	\$0	\$0		c,n
PM (only sources greater than 250 mmBtu/hr)	10	- 40	- 40	<b>\$14,100</b>	-	10	Ů				40	40		0,11
a) initial	10	\$0	\$0	\$158,000	1	10	0	0	0	0	\$0	\$0		c,h
b) annual	10	\$0	\$0	\$56,100	1	10	0	0	0	0	\$0	\$0		c,h
CO (only sources greater than 100 mmBtu/hr) a) initial	10	\$0	\$0	\$160,900	1	10	-	70	-	4	\$7,614	\$1,126,300		c,f
b) annual	10	\$0	\$0	\$53,600	1	10	7	70	7	4	\$7,614	\$375,200		c,f
Scrubber System Monitoring and Operation (for units with wet scrubbers)					-									0,1
a) initial	10	\$0	\$0	\$24,300	1	10	98	980	98	49	\$106,602	\$2,381,400		С
b) annual	10	\$0	\$0	\$5,600	1	10	98	980	98	49	\$106,602	\$548,800		С
Bag Leak Detection System Operation (all sources that have fabric filters)														
a) initial	10	\$0	\$0	\$25,500	1	10	96	960	96	48	\$104,426	\$2,448,000		С
b) annual	10	\$0	\$0	\$9,700	1	10	96	960	96	48	\$104,426	\$931,200		C
15. Annual Tune-up	12	\$0	\$2,875	\$0	1	12	1,158	13,890	1,389	695	\$1,510,919	\$3,327,813		c,k
C. Create Information D. Gather Information	na na													
E. Report Preparation	TIEX.													
Initial Notification that Source is Subject	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0	0	a
Notification of Compliance Status	8	\$0	\$0	\$0	1	8	544	4,352	435	218	\$473,400	\$0	544	С
Initial Report on results of Energy Audit     Annual Compliance Report	5 20	\$0 \$0	\$0 \$0	\$0 \$0	1	5 20	544 521	2,720 10,420	272 1,042	136 521	\$295,875 \$1,133,462	\$0 \$0	544 521	C, L
Annual Compilance Report     Semi-annual Compliance Report	20	\$0	\$0	\$0	2	40	23	920	92	46	\$1,133,462 \$100,075	\$0	46	C, L
Reporting Subtotal		40		-	-			47,450	4,745	2,373	\$5,161,492	\$19,450,245	1,655	0, 2
Recordkeeping Requirements														
Read Instructions	Included in 3a													
B. Implement Activities	na													
C. Develop Record System D. Record Information	na		-											е
Record information     Records of Operating Parameter Values	20	\$0	\$0	\$0	1	20	198	3,960	396	198	\$430,759	\$0		С
Records of Startup, Shutdown, Malfunction	15	\$0	\$0	\$0	1	15	198	2,970	297	149	\$323,069	\$0		C
Records of Stack Tests	2	\$0	\$0	\$0	1	2	198	396	40	20	\$43,076	\$0		С
Records of Monitoring Device Calibrations	2	\$0	\$0	\$0	1	2	198	396	40	20	\$43,076	\$0		С
5) Records of All Annual Compliance Reports Submitted	2	\$0	\$0	\$0	1	2	4,388	8,776	878	439	\$954,631	\$0		c, L
Records of All Semi-Annual Compliance Reports     Submitted	2	\$0	\$0	\$0	2	4	198	792	79	40	\$86,152	\$0		c, L
7) Records of Monthly Fuel Use	0.5	\$0	\$0	\$0	12	6	4,586	27,516	2,752	1,376	\$2,993,122	\$0		c,g
8) Records of Annual Tune-up	0.25	\$0	\$0	\$0	1	0.25	4,586	1,147	115	57	\$124,713	\$0	4,586	C
E. Personnel Training	na													
F. Time for Audits	na				ļ									1
Recordkeeping Subtotal								45,953	4,595	2,298	\$4,998,598	\$0		
Totals	1		1	l	1			93,403	9,340	4,670	\$10,160,090	\$19,450,245	1,655	1

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. Based on the distribution of facilities with affected boilers or process heaters, \$7.4% of facilities are in the industrial sector while the remaining 12.6% of facilities are in the commercial sector.

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. 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 Only the number of existing process gas (Gas 2) fuel units with a rated heat input capacity of 100 mmBtu/hr or greater are subject to continuous monitoring requirements and records of monitoring device calibrations.

g Existing large gas 2 units are expected to determine compliance through stack testing. h Gas units are exempt from PM CEMS and opacity monitoring.

i Only gas 2 units less than 100 mmBtu/hr are expected to perform stack testing for CO. Units greater than 100 mmBtu/hr will be equipped with a CO CEMS

j The units firing process gases other than refinery gases have limits for HCI, Hg, D/F, and CO and are subject to testing and monitoring requirements for each pollutant.

k The recordkeeping and reporting requirements for natural gas fired units is to conduct an annual tune-up and document that the tune-up was completed. The documentation does not need to be submitted as a report unless requested by the Administrator.

L Only facilities with process gas (gas 2 units) subject to numerical emission limits are expected to be required to submit semi-annual compliance reports. Natural gas and refinery gas units are required to submit reports annually.

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 - Year 1, New Large Solid Fuel Units

	for Hazardo	ous Air Polluta	ants (NESHAP	) for indust	rial, Commerci	al, and Instit	utional Boilers	- Year 1, N	ew Large	Solia Fuel C	Inits			
	(A) Respondent Hours per Occurrence	(B) Certified Energy Audit	(C) Stack Testing and Fuel Analysis	(D) Other Non-Labor	(E) Number of Occurrences	(F) Technical Hours per Respondent	(G) Number of	(H) Technical Hours per Year @	(I) Clerical Hours per Year @	(J) Manageme nt Hours per Year @		(L) Total Non- Labor Capital	(M) Total Number	otes
	(Technical	Cost per	Cost Per	Costs Per	Per Respondent	Per Year	Respondents	\$98.20 (F X	\$48.53 (H	\$114.49 (H	(K) Total Labor	Costs Per Year	of Responses per	
Burden Item	hours)	Occurrence	Occurrence	Occurrence	Per Year\	(A X E)	Per Year	G)	X 0.1)	X .05)	Costs Per Year	[(B+C+D)xExG]	Year (E X G)	п
1. Applications	na													ـــــــ
Surveys and Studies     Reporting Requirements	na													+-
A. Read and Understand Rule Requirements	40	\$0	\$0	\$0	1	40	0	0	0	0	\$0	\$0	0	a
B. Required Activities					_			_	-	-			0	+
Initial Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12	0	0	0	0	\$0	\$0	0	<b>†</b>
Initial Stack Test and Report (for Hg)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0	0	
Initial Stack Test and Report (for HCI)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0	0	
Initial Stack Test and Report (for CO)     Initial Stack Test and Report (for D/F)	12 12	\$0 \$0	\$7,000 \$16,000	\$0 \$0	1	12 12	0	0	0	0	\$0 \$0	\$0 \$0	0	—
6. Annual Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12	0	0	0	0	\$0 \$0	\$0	0	+-
7. Annual Stack Test and Report (for Hg)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0	0	+-
8. Annual Stack Test and Report (for HCl)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0	Ö	+
Annual Stack Test and Report (for CO)	12	\$0	\$7,000	\$0	1	12	0	0	0	0	\$0	\$0	0	_
<ol> <li>Annual Stack Test and Report (for D/F)</li> </ol>	12	\$0	\$16,000	\$0	1	12	0	0	0	0	\$0	\$0	0	
11. Initial Fuel Analysis for Mercury and HCL Content	5	\$0	\$400	\$0	1	5	0	0	0	0	\$0	\$0	0	
12. Monthly Fuel Analysis for Mercury and HCL Content	5	\$0	\$400	\$0	12	60	0	0	0	0	\$0	\$0	0	₩
Continuous Parameter Monitoring     Establish Site-specific monitoring plan (all)	40	\$0	1	\$0	1	40	0	0	0	0	\$0	\$0	0	+-
Opacity	40	ΨΟ		ΨΟ	1	40	0	0	0	U	ΨΟ	ΨΟ	0	+-
a) initial	10	\$0	\$0	\$43,100	1	10	0	0	0	0	\$0	\$0	Ö	+
b) annual	10	\$0	\$0	\$14,700	1	10	0	0	0	0	\$0	\$0	0	+
PM (only sources greater than 250 mmBtu/hr)													0	1
a) initial	10	\$0	\$0	\$158,000	1	10	0	0	0	0	\$0	\$0	0	
b) annual	10	\$0	\$0	\$56,100	1	10	0	0	0	0	\$0	\$0	0	—
CO (only sources greater than 100 mmBtu/hr)  a) initial	10	\$0	\$0	\$160,900	1	10	0	0	0	0	\$0	\$0	0	₩
b) annual	10	\$0	\$0	\$53,600	1	10	0	0	0	0	\$0	\$0	0	+-
Scrubber System Monitoring and Operation (for units with wet scrubbers)						10							0	
a) initial	10	\$0	\$0	\$24,300	1	10	0	0	0	0	\$0	\$0	0	
b) annual  Bag Leak Detection System Operation (all sources that have fabric filters)	10	\$0	\$0	\$5,600	1	10	0	0	0	0	\$0	\$0	0	
	10	\$0	\$0	\$25,500	1	10	0	_	0	0	\$0	\$0	0	₩
a) initial b) annual	10	\$0	\$0	\$9,700	1	10	0	0	0	0	\$0	\$0	0	+
Carbon Injection Monitoring System	10	Ψ0	ΨΟ	ψ3,700		10	-	-		0	ΨΟ	Ψ0		1
(all sources that use ACI to control Hg)	10	***	***	0115.000	4	10					00	40	0	ــــــ
a) initial b) annual	10 10	\$0 \$0	\$0 \$0	\$115,000 \$9,700	1	10 10	0	0	0	0	\$0 \$0	\$0 \$0	0	+
C. Create Information	na	Ψυ	ΨΟ	Ψ5,100	-	10		,	,	3	40	Ψ0	0	+-
D. Gather Information	na												0	_
E. Report Preparation													0	
Initial Notification that Source is Subject	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0	0	
Notification of Compliance Status     Notification of Compliance Status	8	\$0	\$0	\$0	1	8	0	0	0	0	\$0	\$0	0	$\perp$
3) Initial Report on results of Energy Audit     4) Semi-annual Compliance Report	5 20	\$0 \$0	\$0 \$0	\$0 \$0	2	5 40	0	0	0	0	\$0 \$0	\$0 \$0	0	+
Reporting Subtotal	20	ΦU	ΦU	ΦU	- 4	40	U	0	0	0	\$0 \$0	\$0 \$0	0	+
Recordkeeping Requirements	<del>                                     </del>		<del>                                     </del>			<del>                                     </del>								+-
A. Read Instructions	Included in 3a		1											+
B. Implement Activities	na													t
C. Develop Record System	na													
D. Record Information			-								**			$\perp$
Records of Operating Parameter Values     Records of Startus, Shutdown Molfunction	20 15	\$0 \$0	\$0 \$0	\$0 \$0	1	20 15	0	0	0	0	\$0 \$0	\$0 \$0	<b></b> '	₩
Records of Startup, Shutdown, Malfunction     Records of Stack Tests	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0 \$0	\$0 \$0	<del>                                     </del>	+-
Records of Stack Tests     Records of Monitoring Device Calibrations	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0 \$0	\$0 \$0	<del>                                     </del>	+-
5) Records of Morntolling Device Calibrations  5) Records of All Compliance Reports Submitted	2	\$0	\$0	\$0	2	4	0	0	0	0	\$0	\$0		+-
6) Records of Monthly Fuel Use	0.5	\$0	\$0	\$0	12	6	0	0	0	0	\$0	\$0		+
E. Personnel Training	na													
F. Time for Audits	na													
Recordkeeping Subtotal  Totals								0	0 <b>0</b>	0	\$0 <b>\$0</b>	\$0 <b>\$0</b>	0	$\perp$

a There are no new large solid units expected to be constructed/reconstructed over the next 5 years

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 - Year 2, New Large Solid Fuel Units

Agriculture   Section		tor Hazardo	ous Air Polluta	Ints (NESHAP	) for indust	rial, Commerci	iai, and instit	utional Bollers	- Year 2, N	lew Large	Solia Fuel C	Jnits			
Part															
Agriculture   Section	Burden Item	Hours per Occurrence (Technical	Energy Audit Cost per	Testing and Fuel Analysis Cost Per	Non-Labor Costs Per	Occurrences Per Respondent	Hours per Respondent Per Year	Respondents	Technical Hours per Year @ \$98.20 (F X	Hours per Year @ \$48.53 (H	Manageme nt Hours per Year @ \$114.49 (H	(K) Total Labor	Labor Capital Costs Per Year	of Responses per	Footnotes
Services			Occurrence	Occurrence	Occurrence	reireait	(A A L)	rei ieai	6)	X 0.1)	A .03)	COSIS FEI TEAI	[(BTCTD)XEXG]	Tear (L X G)	ш
3 Reporting Regularements  40															
Profusion Universitation (Value Registration   190		11a													
R. Regular Activations  1. Finist Stack Test and Fridger (To PPS) 12		40	40	40	40	1	40	0	0	0	0	&O	40	0	-
1. Fried Black Test and Report (fir PM) 2. Viside Stant Crist of Information (fir PM) 2. Viside Stant Crist of Information (fir PM) 3. Viside Stant Crist of Information (fir PM) 4. Viside Stant Crist of Inf		40	Φυ	Φυ	Φ0	1	40	U	U	U	U	Φ0	Φυ	-	a
2. Final State Teal and Report (19 Feb) 12 50 480,000 10 1 12 0 0 0 0 0 0 0 0 0 0 0 0 0 0		12	<b>6</b> 0	&E 000	60	1	12	0	0	0	0	60	60		
S. Final Stack First and Report for PCD   12   80   85,000   80   1   12   0   0   0   0   0   30   30   0   0						1									-
4. Freed Stack Feet and Freed (19 CO)   12   10   11   12   0   0   0   0   10   1						1									-
5. Final Sous Test and Regard (for IPA)  1. Arrana Sous Test and Regard (for IPA)  1. Control						1		-	-		-				
C. Armad Stack   Fest and Report (for PM)   12   13   12   12   0   0   0   0   0   15   15   0   0   0   15   0   0   0   0   15   0   0   0   0   0   0   0   0   0						_		-						-	
7. Availar Stack Feet and Report (Ref Feet) 12						_		-							-
8. Armal Stack - Test and Report (or PCO) 12						_									-
9. Arrival Stack Fest and Report (PCC) 12						_									-
10. Annual Stack Test and Report (or De') 11. Initial Fuel Analysis to Mercury and NEL Content 5															-
11. Initial Fuel Analysis for Mercury and HCL Content															-
12. Mortifly Flow Analyses for Mercury and PLC Confeet  13. Continue Plannaged Monking  14. Continue Plannaged Monking  15. Continue Plannaged Monking  16. Continue Plannaged Monking  17. Continue Plannaged Monking  18. Continue Plannaged Monking  19. Solution Plannaged Monking  19. So															-
13. Confininciary Parameter Monitoring   140   150															
Establish Six-specific monitoring plan (a)  40   50   50   50   1   40   0   0   0   0   50   50   50   0   0		3	ΨU	Ψ+00	ΨU	14	00	J	J	J	J	Ψ	Ψυ		-
Copacity   Commission   Commi		40	90		40	1	40	0	0	0	0	\$0	\$0		-
a) initial   10   80   80   843,100   1   10   0   0   0   0   80   80		40	Φ0		Φ0	1	40	U	0	0	U	Φ0	Φυ		
Discrimination   Disc		10	<b>6</b> 0	40	642 100	1	10	0	0	0	0	60	60		
## Mining sources greater than 250 mmBlath*)  a) a initial  b) annual  c) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						_			-		-			-	
a) initial		10	Φ0	Φ0	\$14,700	1	10	U	0	0	U	Φ0	Φυ	-	-
10   50   50   50   50   50   50   50		10	40	40	¢150,000	1	10	0	0		0	<b>C</b> O	Φ0	-	
Complementation of the property of the propert						1									
a) initial 10 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0		10	Φ0	Φ0	\$50,100	1	10	U	U	U	U	<b>Ф</b> О	Φ0	-	_
Suntable System Monitoring and Operation (for units with wet surubbers)   Suntable System Monitoring and Operation (for units with wet surubbers)   Suntable System Monitoring and Operation (a)   Initial   Suntable   Su		10	40	40	£1.00.000	1	10	0	0	0	0	<b>C</b> O	Φ0	-	_
Scrubber System Monitoring and Operation (for units wift west excluded in 3 at 10 so so so \$24,300 l 1 10 0 0 0 0 0 50 \$0 \$0 0 0 0 0 0 0 0 0 0 0						_									
(for units with west subblers)		10	\$0	\$0	\$53,600	1	10	U	U	U	U	\$0	\$0	0	
Big Leak Detection System Operation   Gall Sucres that have father (lifers)   Sucres	(for units with wet scrubbers)			**	*****		10					**	40		
Bag Leak Detection System Operation (all sources that have lateral filters)   10   80   80   85,000   1   10   0   0   0   0   0   0   50   80   0   0   0   0   0   0   0   0						_									
(all sources that have fabric filters)  a) initial  10 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0		10	\$0	\$0	\$5,600	1	10	0	0	0	0	\$0	\$0	0	
Digrammal   10   \$0   \$0   \$0   \$0   \$0   \$0   \$0	(all sources that have fabric filters)														
Carbon Injection Monitoring System (all sources that use ACI to control Hg) a) initial Carbon Marker						_									
(all sources that use ACI to control Hg)  a) initial  10		10	\$0	\$0	\$9,700	1	10	0	0	0	0	\$0	\$0	0	
C. Create Information	(all sources that use ACI to control Hg)														
C. Create Information   na						1			0		0				
D. Gather Information E. Report Preparation 1) Initial Notification that Source is Subject 2 \$0 \$0 \$0 \$0 \$1 2 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0			\$0	\$0	\$9,700	1	10	0	0	0	0	\$0	\$0	-	
E. Report Preparation 1) Initial Notification that Source is Subject 2 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0														-	Ĺ
1) Initial Notification that Source is Subject 2 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0		na													
2   Notification of Compliance Status														-	
3   Initial Report on results of Energy Audit   5   \$0   \$0   \$0   \$0   \$0   \$0   \$0						_	_	-	-		-			-	
A   Semi-annual Compliance Report   20   \$0   \$0   \$0   \$0   \$0   \$0   \$0		-				_	-		-		-				
Reporting Subtotal						*					-				
4. Recordkeeping Requirements   Included in 3a   Included included in 3a   Included in 3a   Included in 3a   Included in 3a		20	\$0	\$0	\$0	2	40	0	-		-			-	
A. Read Instructions B. Implement Activities na D. Record Information 1 Records of Operating Parameter Values 2 S0 S0 S0 S0 1 15 S0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0									0	0	0	\$0	\$0	0	
B. Implement Activities															
C. Develop Record System  D. Record Information  1 Records of Operating Parameter Values  20 \$0 \$0 \$0 \$1 20 0 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0															
D. Record Information															
1) Records of Operating Parameter Values 20 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0		na													
2) Records of Startup, Shutdown, Malfunction 15 \$0 \$0 \$0 \$0 \$1 15 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0															
3) Records of Stack Tests 2 \$0 \$0 \$0 \$0 \$1 2 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$						_									
4) Records of Monitoring Device Calibrations 2 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0						_									
5) Records of All Compliance Reports Submitted 2 \$0 \$0 \$0 \$0 2 4 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0															
6) Records of Monthly Fuel Use 0.5 \$0 \$0 \$0 \$0 12 6 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$									-						
E. Personnel Training na						_									
F. Time for Audits na			\$0	\$0	\$0	12	6	0	0	0	0	\$0	\$0		
Recordkeeping Subtotal         0         0         0         \$0 <td></td>															
		na													
Totals 0 0 0 50 \$0 0	Recordkeeping Subtotal								0	0	0	\$0	\$0		
	Totals								0	0	0	\$0	\$0	0	

a There are no new large solid units expected to be constructed/reconstructed over the next 5 years

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 - Year 3, New Large Solid Fuel Units

	for Hazardo	ous Air Polluta	ants (NESHAP	) for Indust	rial, Commerci	ial, and Instit	utional Boilers	- Year 3, N	lew Large	Solid Fuel L	Inits			
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 X 0.1)	(J) Manageme nt Hours per Year @ \$114.49 (H X .05)	(K) Total Labor Costs Per Year	(L) Total Non- Labor Capital Costs Per Year [(B+C+D)xExG]	(M) Total Number of Responses per Year (E X G)	Footnotes
1. Applications	na	Occurrence	Occurrence	Occurrence	rerrear	(AAL)	1 Ci i Cui	- 0,	7. 0.1)	7(.00)	COSIST CITCUI	[(B·C·D)XEXO]	rear (E x o)	ш.
2. Surveys and Studies	na													
3. Reporting Requirements													0	
A. Read and Understand Rule Requirements	40	\$0	\$0	\$0	1	40	0	0	0	0	\$0	\$0	0	a
B. Required Activities													0	
Initial Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12	0	0	0	0	\$0	\$0	0	
Initial Stack Test and Report (for Hg)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0	0	
Initial Stack Test and Report (for HCI)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0	0	
Initial Stack Test and Report (for CO)	12	\$0	\$7,000	\$0	1	12	0	0	0	0	\$0	\$0	0	
Initial Stack Test and Report (for D/F)	12	\$0	\$16,000	\$0	1	12	0	0	0	0	\$0	\$0	0	
Annual Stack Test and Report (for PM)     Annual Stack Test and Report (for Hg)	12 12	\$0 \$0	\$5,000 \$8,000	\$0 \$0	1 1	12 12	0	0	0	0	\$0 \$0	\$0 \$0	0	-
8. Annual Stack Test and Report (for HCl)	12	\$0	\$8,000	\$0	1	12	0	0		0	\$0	\$0	0	
Annual Stack Test and Report (for CO)      Annual Stack Test and Report (for CO)	12	\$0	\$7,000	\$0	1	12	0	0	0	0	\$0	\$0	0	-
10. Annual Stack Test and Report (for D/F)	12	\$0	\$16,000	\$0	1	12	0	0	0	0	\$0	\$0	0	-
Initial Fuel Analysis for Mercury and HCL Content	5	\$0	\$400	\$0	1	5	0	0	0	0	\$0	\$0	0	
12. Monthly Fuel Analysis for Mercury and HCL Content	5	\$0	\$400	\$0	12	60	0	0	0	0	\$0	\$0	0	
13. Continuous Parameter Monitoring					<u> </u>	T	-			-	· ·	· ·	0	
Establish Site-specific monitoring plan (all) Opacity	40	\$0		\$0	1	40	0	0	0	0	\$0	\$0	0	
a) initial	10	\$0	\$0	\$43,100	1	10	0	0	0	0	\$0	\$0	0	
b) annual	10	\$0	\$0	\$14,700	1	10	0	0	0	0	\$0	\$0	0	
PM (only sources greater than 250 mmBtu/hr)													0	
a) initial	10	\$0	\$0	\$158,000	1	10	0	0	0	0	\$0	\$0	0	
b) annual	10	\$0	\$0	\$56,100	1	10	0	0	0	0	\$0	\$0	0	
CO (only sources greater than 100 mmBtu/hr)													0	
a) initial	10	\$0	\$0	\$160,900	1	10	0	0	0	0	\$0	\$0	0	
b) annual	10	\$0	\$0	\$53,600	1	10	0	0	0	0	\$0	\$0	0	
Scrubber System Monitoring and Operation (for units with wet scrubbers)													0	
a) initial	10	\$0	\$0	\$24,300	1	10	0	0	0	0	\$0	\$0	0	
b) annual	10	\$0	\$0	\$5,600	1	10	0	0	0	0	\$0	\$0	0	
Bag Leak Detection System Operation (all sources that have fabric filters)													0	
a) initial	10	\$0	\$0	\$25,500	1	10	0	0	0	0	\$0	\$0	0	
b) annual	10	\$0	\$0	\$9,700	1	10	0	0	0	0	\$0	\$0	0	
Carbon Injection Monitoring System (all sources that use ACI to control Hg)													0	
a) initial	10	\$0	\$0	\$115,000	1	10	0	0	0	0	\$0	\$0	0	
b) annual	10	\$0	\$0	\$9,700	1	10	0	0	0	0	\$0	\$0	0	
C. Create Information	na					-							0	
D. Gather Information E. Report Preparation	na					-		-					0	<u> </u>
1) Initial Notification that Source is Subject	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0	0	-
Notification of Compliance Status	8	\$0	\$0	\$0	1	8	0	0	0	0	\$0	\$0	0	
Notification of Compilance Status     Initial Report on results of Energy Audit	5	\$0	\$0	\$0	1	5	0	0	0	0	\$0	\$0	0	
Semi-annual Compliance Report	20	\$0	\$0	\$0	2	40	0	0	0	0	\$0	\$0	0	
Reporting Subtotal			·-		_	<u> </u>	-	0	0	0	\$0	\$0	0	
Recordkeeping Requirements										-				
A. Read Instructions	Included in 3a													
B. Implement Activities	na													
C. Develop Record System	na													
D. Record Information														
Records of Operating Parameter Values	20	\$0	\$0	\$0	1	20	0	0	0	0	\$0	\$0		
Records of Startup, Shutdown, Malfunction	15	\$0	\$0	\$0	1	15	0	0	0	0	\$0	\$0		
Records of Stack Tests	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0		
Records of Monitoring Device Calibrations	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0		
5) Records of All Compliance Reports Submitted	2	\$0	\$0	\$0	2	4	0	0	0	0	\$0	\$0		
6) Records of Monthly Fuel Use	0.5	\$0	\$0	\$0	12	6	0	0	0	0	\$0	\$0		
E. Personnel Training	na					ļ								
F. Time for Audits Recordkeeping Subtotal	na							0	0	0	\$0	\$0	_	-
·						-		_		-			- 0	-
Totals								0	0	0	\$0	\$0	0	

a There are no new large solid units expected to be constructed/reconstructed over the next 5 years

Table 5.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, New Large Liquid Fuel Units

	tor Hazardo	ous Air Polluta	ants (NESHAP)	for indust	riai, Commerci	ai, and instit	utional Boilers	- Year 1, N	ew Large L	iquia Fuei	Units			
	(A) Respondent Hours per	(B) Certified	(C) Stack Testing and	(D) Other	(E) Number of	(F) Technical Hours per		(H) Technical Hours per	(I) Clerical Hours per	(J) Manageme nt Hours		(L) Total Non-		tes
	Occurrence	Energy Audit	Fuel Analysis	Non-Labor	Occurrences	Respondent	(G) Number of	Year @	Year @	per Year @		Labor Capital	(M) Total Number	Footnotes
Burden Item	(Technical hours)	Cost per Occurrence	Cost Per Occurrence	Costs Per Occurrence	Per Respondent Per Year\	Per Year (A X E)	Respondents Per Year	\$98.20 (F X G)	\$48.53 (H X 0.1)	\$114.49 (H X .05)	(K) Total Labor Costs Per Year	Costs Per Year [(B+C+D)xExG]	of Responses per Year (E X G)	8
1. Applications	na	Occurrence	Occurrence	Occurrence	rerreart	(A X L)	1 Ci i Cui	0)	X 0.1)	X .00)	Costs i ci i cui	[(B·C·D)XEXO]	Tear (E X O)	+
Surveys and Studies	na													+-
Reporting Requirements														+-
Read and Understand Rule Requirements	40	\$0	\$0	\$0	1	40	2	80	8	4	\$8,702	\$0		a
B. Required Activities														
Initial Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12	3	36	4	2	\$3,916	\$15,000		a,h
Initial Stack Test and Report (for Hg)     Initial Stack Test and Report (for HCl)	12 12	\$0 \$0	\$8,000 \$8,000	\$0 \$0	1	12 12	0	0	0	0	\$0 \$0	\$0 \$0		a
Initial Stack Test and Report (for FICI)      Initial Stack Test and Report (for CO)	12	\$0	\$7,000	\$0	1	12	2	24	2	1	\$2,611	\$14,000		a,i
Initial Stack Test and Report (for D/F)	12	\$0	\$16,000	\$0	1	12	3	36	4	2	\$3.916	\$48,000		a
Annual Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12	0	0	0	0	\$0	\$0		a,j
Annual Stack Test and Report (for Hg)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0		a,j
Annual Stack Test and Report (for HCl)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0		a,j
Annual Stack Test and Report (for CO)	12	\$0	\$7,000	\$0	1	12	0	0	0	0	\$0	\$0		a,j
<ol> <li>Annual Stack Test and Report (for D/F)</li> </ol>	12	\$0	\$16,000	\$0	1	12	0	0	0	0	\$0	\$0		a,j
11. Initial Fuel Analysis for Mercury and HCL Content	5	\$0	\$400	\$0	1	5	3	15	2	1	\$1,632	\$1,200		a,g
Monthly Fuel Analysis for Mercury and HCL Content     Continuous Parameter Monitoring	5	\$0	\$400	\$0	12	60	0	0	0	0	\$0	\$0		a,g
Establish Site-specific monitoring plan (all)	40	\$0		\$0	1	40	3	120	12	6	\$13,053	\$0		a
Opacity Opacity	40	Ψ0		<b>\$</b> 0	1	40	3	120	12	0	φ13,033	Φυ		+ a
a) initial	10	\$0	\$0	\$43,100	1	10	0	0	0	0	\$0	\$0		a
b) annual	10	\$0	\$0	\$14,700	1	10	0	0	0	0	\$0	\$0		a
PM (only sources greater than 250 mmBtu/hr)														-
a) initial	10	\$0	\$0	\$158,000	1	10	1	10	1	1	\$1,088	\$158,000		a,c
b) annual	10	\$0	\$0	\$56,100	1	10	1	10	1	1	\$1,088	\$56,100		a,c
CO (only sources greater than 100 mmBtu/hr)							1				*****			<u> </u>
a) initial b) annual	10 10	\$0 \$0	\$0 \$0	\$160,900 \$53,600	1	10 10	1	10 10	1	1	\$1,088 \$1,088	\$160,900 \$53,600		a,f
Scrubber System Monitoring and Operation	10	\$0	\$0	\$53,600	1	10	1	10	1	1	\$1,088	\$53,600		+
(for units with wet scrubbers)														
a) initial b) annual	10 10	\$0 \$0	\$0 \$0	\$24,300 \$5,600	1	10 10	3	30 30	3	2	\$3,263 \$3,263	\$72,900 \$16,800		a
Bag Leak Detection System Operation	10	\$0	\$0	\$5,600	1	10	3	30	3	2	\$3,263	\$16,800		a
(all sources that have fabric filters)														
a) initial	10	\$0	\$0	\$25,500	1	10	0	0	0	0	\$0	\$0		a
b) annual	10	\$0	\$0	\$9,700	1	10	0	0	0	0	\$0	\$0		a
Carbon Injection Monitoring System														1
(all sources that use ACI to control Hg)														
a) initial	10	\$0	\$0	\$115,000	1	10	2	20	2	1	\$2,176	\$230,000		a
b) annual	10	\$0	\$0	\$9,700	1	10	2	20	2	1	\$2,176	\$19,400		a
C. Create Information D. Gather Information	na na													+-
E. Report Preparation	ıld													+-
Initial Notification that Source is Subject	2	\$0	\$0	\$0	1	2	2	4	0	0	\$435	\$0	2	a
Notification of Compliance Status	8	\$0	\$0	\$0	1	8	2	16	2	1	\$1,740	\$0	2	a
Initial Report on results of Energy Audit	5	\$0	\$0	\$0	1	5	0	0	0	0	\$0	\$0	0	b
Semi-annual Compliance Report	20	\$0	\$0	\$0	2	40	2	80	8	4	\$8,702	\$0	4	a
Reporting Subtotal								551	55	28	\$59,936	\$845,900	8	
Recordkeeping Requirements														
A. Read Instructions	Included in 3a													₩_
B. Implement Activities C. Develop Record System	na na		-											е
D. Record Information	IId												-	+-
Record information     Records of Operating Parameter Values	20	\$0	\$0	\$0	1	20	3	60	6	3	\$6,527	\$0		a
Records of Operating Parameter Values     Records of Startup, Shutdown, Malfunction	15	\$0	\$0	\$0	1	15	3	45	5	2	\$4.895	\$0		a
Records of Stack Tests	2	\$0	\$0	\$0	1	2	3	6	1	0	\$653	\$0	1	a
Records of Monitoring Device Calibrations	2	\$0	\$0	\$0	1	2	3	6	1	0	\$653	\$0	<u> </u>	a
5) Records of All Compliance Reports Submitted	2	\$0	\$0	\$0	2	4	3	12	1	1	\$1,305	\$0		a
Records of Monthly Fuel Use	0.5	\$0	\$0	\$0	12	6	3	18	2	1	\$1,958	\$0		a,g
E. Personnel Training	na													
F. Time for Audits	na													
Recordkeeping Subtotal								147	15	7	\$15,990	\$0		—
Totals	1	I						698	70	35	\$75,927	\$845,900	8	1

a The total number of new large liquid fuel boilers estimated in the first 3 years of this rule is 9. 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 3 boilers per year. 5 new facilities will be subject in the first 3 years. It is assumed that 2 facilities will report in in year 1 and 2 and 1 facilities in year 3.

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. These site visits are assumed to be conducted by certified energy professionals. Based on the distribution projected new fuel consumption, 75% of facilities are in the commercial sector while the remaining 25% of facilities are in the industrial sector. It is assumed that one of the five facilities will be at an industrial facility.

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

f Only the number of new large liquid fuel units with a rated heat input capacity of 100 mmBbuff or greater are subject to continuous monitoring requirements and records of monitoring device calibrations.

b A one-time requirement.

c Only one unit is greater than 250 mmBtu/hr. This unit is counted during the first year

g New large liquid units are expected to determine compliance through fuel analysis not stack testing

h Only units less than 250 mmBtu/hr are expected to perform stack testing for PM. Units greater than 250 mmBtu/hr will be equipped with a PM CEMS

i Only units less than 100 mmBtu/hr are expected to perform stack testing for CO. Units greater than 100 mmBtu/hr will be equipped with a CO CEMS

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

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. New Large Liquid Fuel Units

	for Hazardo	us Air Polluta	nts (NESHAP)	for Industr	ial, Commerci	al, and Institu	ıtional Boilers	- Year 2, N	ew Large L	iquid 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 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 X 0.1)	(J) Manageme nt Hours per Year @ \$114.49 (H X .05)	(K) Total Labor Costs Per Year	(L) Total Non- Labor Capital Costs Per Year [(B+C+D)xExG]	(M) Total Number of Responses per Year (E X G)	
1. Applications	na	Cocarrence	Codditioned	Cocarrence	T CT T CUTT	(//// _/	1 01 1 001	Ξ,	7(0.1)	7(.00)	Costo i Ci i Cai	[(B·O·B)AEAO]	100 (27.0)	+-
2. Surveys and Studies	na													+-
Reporting Requirements														1
A. Read and Understand Rule Requirements     B. Required Activities	40	\$0	\$0	\$0	1	40	2	80	8	4	\$8,702	\$0		a
Initial Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12	3	36	4	2	\$3,916	\$15,000		a,h
Initial Stack Test and Report (for Hg)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0		а
Initial Stack Test and Report (for HCI)      Initial Stack Test and Report (for CO)	12 12	\$0 \$0	\$8,000 \$7,000	\$0 \$0	1	12 12	0	0 24	0	0	\$0 \$2,611	\$0 \$14,000		a
Initial Stack Test and Report (for CO)     Initial Stack Test and Report (for D/F)	12	\$0	\$16,000	\$0	1	12	2	36	2	2	\$3,916	\$48,000		a,i a
Annual Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12	3	36	4	2	\$3,916	\$15,000		a,j
Annual Stack Test and Report (for Hg)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0	<del></del>	a,j
Annual Stack Test and Report (for HCI)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0	<del>                                     </del>	a,j
Annual Stack Test and Report (for CO)	12	\$0	\$7,000	\$0	1	12	2	24	2	1	\$2,611	\$14,000	t	a,j
<ol> <li>Annual Stack Test and Report (for D/F)</li> </ol>	12	\$0	\$16,000	\$0	1	12	3	36	4	2	\$3,916	\$48,000		a,j
<ol> <li>Initial Fuel Analysis for Mercury and HCL Content</li> </ol>	5	\$0	\$400	\$0	1	5	3	15	2	1	\$1,632	\$1,200		a,g
12. Monthly Fuel Analysis for Mercury and HCL Content	5	\$0	\$400	\$0	12	60	0	0	0	0	\$0	\$0		a,g
13. Continuous Parameter Monitoring	40	\$0		\$0		40	3	120	12		\$13,053	\$0		
Establish Site-specific monitoring plan (all) Opacity	40	\$0		\$0	1	40	3	120	12	6	\$13,053	\$0		a
a) initial	10	\$0	\$0	\$43.100	1	10	0	0	0	0	\$0	\$0		a
b) annual	10	\$0	\$0	\$14,700	1	10	0	0	0	0	\$0	\$0		a
PM (only sources greater than 250 mmBtu/hr)							<u>×</u>	-						+-
a) initial	10	\$0	\$0	\$158,000	1	10	0	0	0	0	\$0	\$0		a,c
b) annual	10	\$0	\$0	\$56,100	1	10	1	10	1	1	\$1,088	\$56,100		a,c
CO (only sources greater than 100 mmBtu/hr)														
a) initial	10	\$0	\$0	\$160,900	1	10	1	10	1	1	\$1,088	\$160,900		a,f
b) annual	10	\$0	\$0	\$53,600	1	10	2	20	2	1	\$2,176	\$107,200		
Scrubber System Monitoring and Operation (for units with wet scrubbers)														
a) initial	10	\$0	\$0	\$24,300	1	10	3	30	3	2	\$3,263	\$72,900		a
b) annual  Bag Leak Detection System Operation	10	\$0	\$0	\$5,600	1	10	6	60	6	3	\$6,527	\$33,600		a
(all sources that have fabric filters)														'
a) initial	10	\$0	\$0	\$25,500	1	10	0	0	0	0	\$0	\$0		a
b) annual	10	\$0	\$0	\$9,700	1	10	0	0	0	0	\$0	\$0		a
Carbon Injection Monitoring System (all sources that use ACI to control Hg)														
a) initial	10	\$0	\$0	\$115,000	1	10	2	20	2	1	\$2,176	\$230,000		а
b) annual	10	\$0	\$0	\$9,700	1	10	4	40	4	2	\$4,351	\$38,800		а
C. Create Information	na													
D. Gather Information E. Report Preparation	na												<del> </del>	4
Initial Notification that Source is Subject	2	\$0	\$0	\$0	1	2	2	4	0	0	\$435	\$0	2	a
2) Notification of Compliance Status	8	\$0	\$0	\$0	1	8	2	16	2	1	\$1,740	\$0	2	a
Initial Report on results of Energy Audit	5	\$0	\$0	\$0	1	5	0	0	0	0	\$0	\$0	0	b
Semi-annual Compliance Report	20	\$0	\$0	\$0	2	40	4	160	16	8	\$17,404	\$0	8	a
Reporting Subtotal								777	78	39	\$84,520	\$854,700	12	
Recordkeeping Requirements     Read Instructions	Included in 2-													╨
A. Read Instructions B. Implement Activities	Included in 3a na													+'
C. Develop Record System	na												<del></del>	e
D. Record Information			<del> </del>										<del></del>	+
Records of Operating Parameter Values	20	\$0	\$0	\$0	1	20	6	120	12	6	\$13,053	\$0		a
Records of Startup, Shutdown, Malfunction	15	\$0	\$0	\$0	1	15	6	90	9	5	\$9,790	\$0	t	a
Records of Stack Tests	2	\$0	\$0	\$0	1	2	6	12	1	1	\$1,305	\$0		а
Records of Monitoring Device Calibrations	2	\$0	\$0	\$0	1	2	6	12	1	1	\$1,305	\$0		a
5) Records of All Compliance Reports Submitted	2	\$0	\$0	\$0	2	4	6	24	2	1	\$2,611	\$0		а
6) Records of Monthly Fuel Use	0.5	\$0	\$0	\$0	12	6	6	36	4	2	\$3,916	\$0		a,g
E. Personnel Training	na												<u> </u>	4'
F. Time for Audits Recordkeeping Subtotal	na							294	29	15	\$31,981	\$0		+'
Totals								1,071	107	54	\$116,501	\$854,700	12	+-

a The total number of new large liquid fuel boilers estimated in the first 3 years of this rule is 9. 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 3 boilers per year. 5 new facilities will be subject in the first 3 years. It is assumed that 2 facilities will report in in year 1 and 2 and 1 facilities in year 3.

b Energy audits are not required for new sources.

c Only one unit is greater than 250 mmBtu/hr. This unit is counted during the first 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. Since fuel analysis is only required once every five years, no burden is assigned in year 2.

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

<sup>6</sup> Only the number of new large liquid fuel units with a rated heat input adaptation from the number of new large liquid fuel units with a rated heat input adaptation from the number of new large liquid fuel units with a rated heat input adaptation from the number of new large liquid fuel units with a rated heat input adaptation from the number of new large liquid fuel units with a rated heat input adaptation from the number of new large liquid fuel units with a rated heat input adaptation from the number of new large liquid fuel units with a rated heat input adaptation from the number of new large liquid fuel units with a rated heat input adaptation from the number of new large liquid fuel units with a rated heat input adaptation from the number of new large liquid fuel units with a rated heat input adaptation from the number of new large liquid fuel units with a rated heat input adaptation from the number of new large liquid fuel units with a rated heat input adaptation from the number of new large liquid fuel units with a rated heat input adaptation from the number of new large liquid fuel units with a rated heat input adaptation from the number of new large liquid fuel units with a rated heat input adaptation from the number of new large liquid fuel units with a rated heat input adaptation from the number of new large liquid fuel units with a rated heat input adaptation from the number of new large liquid fuel units with a rated heat input adaptation from the number of new large liquid fuel units with a rated heat input adaptation from the number of new large liquid fuel units with a rated heat input adaptation from the number of new large liquid fuel units with a rated heat input adaptation from the number of new large liquid fuel units with a rated heat input adaptation from the number of new large liquid fuel units with a rated heat input adaptation from the number of new large liquid fuel units with a rated heat input adaptation from the number of new large liquid fuel units with a rated heat input adapt

g New large liquid units are expected to determine compliance through fuel analysis not stack testing

h Only units less than 250 mmBtu/hr are expected to perform stack testing for PM. Units greater than 250 mmBtu/hr will be equipped with a PM CEMS

i Only units less than 100 mmBtu/hr are expected to perform stack testing for CO. Units greater than 100 mmBtu/hr will be equipped with a CO CEMS

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

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, New Large Liquid Fuel Units

	ior Hazardo	us Air Polluta	nts (NESHAP)	ior industr	iai, Commerci	aı, and instit	utional Boilers	- rear 3, N	ew ∟arge i	iquia Fuei	Units			
	(A) Respondent Hours per	(B) Certified	(C) Stack Testing and	(D) Other	(E) Number of	(F) Technical		(H) Technical Hours per	(I) Clerical Hours per	(J) Manageme nt Hours		(L) Total Non-		Se
	Occurrence	Ènergy Audit	Fuel Analysis	Non-Labor	Occurrences	Respondent	(G) Number of	Year @	Year @	per Year @		Lábor Capital	(M) Total Number	
Burden Item	(Technical hours)	Cost per Occurrence	Cost Per Occurrence	Costs Per Occurrence	Per Respondent Per Year\	Per Year (A X E)	Respondents Per Year	\$98.20 (F X G)	\$48.53 (H X 0.1)	\$114.49 (H X .05)	(K) Total Labor Costs Per Year	Costs Per Year [(B+C+D)xExG]	of Responses per Year (E X G)	og.
1. Applications	na	Coduirence	Codurence	Cocumento	T CI T CUIT	(///)	101100	- 0,	7(0.2)	7(100)	Costo i ci i cui	((B·O·B)XEXO)	10th (E 710)	-
Surveys and Studies	na													
Reporting Requirements     A. Read and Understand Rule Requirements	40	\$0	\$0	\$0		40	1	40			\$4,351	\$0		-
Read and Understand Rule Requirements     B. Required Activities	40	\$0	\$0	\$0	1	40	1	40	4	2	\$4,351	\$0		a
Initial Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12	3	36	4	2	\$3,916	\$15,000		a,h
Initial Stack Test and Report (for Hg)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0		a
Initial Stack Test and Report (for HCl)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0		a
Initial Stack Test and Report (for CO)     Initial Stack Test and Report (for D/F)	12 12	\$0 \$0	\$7,000 \$16.000	\$0 \$0	1	12 12	2	24 36	2	2	\$2,611 \$3.916	\$14,000 \$48,000		a,i a
Annual Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12	6	72	7	4	\$7,832	\$30,000		a,j
Annual Stack Test and Report (for Hg)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0		a,j
Annual Stack Test and Report (for HCl)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0		a,j
Annual Stack Test and Report (for CO)  Annual Stack Test and Report (for D/F)  Annual Stack Test and Report (for D/F)	12	\$0	\$7,000	\$0	1	12	6	48	5	2	\$5,221	\$28,000		a,j
Annual Stack Test and Report (for D/F)     Initial Fuel Analysis for Mercury and HCL Content	12 5	\$0 \$0	\$16,000 \$400	\$0 \$0	1	12 5	3	72 15	2	1 1	\$7,832 \$1.632	\$96,000 \$1,200		a,j a,g
12. Monthly Fuel Analysis for Mercury and HCL Content 13. Continuous Parameter Monitoring	5	\$0	\$400	\$0	12	60	0	0	0	0	\$0	\$0		a,g
Establish Site-specific monitoring plan (all) Opacity	40	\$0		\$0	1	40	3	120	12	6	\$13,053	\$0		a
a) initial	10	\$0	\$0	\$43,100	1	10	0	0	0	0	\$0	\$0		a
b) annual	10	\$0	\$0	\$14,700	1	10	0	0	0	0	\$0	\$0		a
PM (only sources greater than 250 mmBtu/hr)														
a) initial b) annual	10 10	\$0 \$0	\$0 \$0	\$158,000 \$56,100	1	10 10	0	0 10	0	0	\$0 \$1,088	\$0 \$56,100		a,c a,c
CO (only sources greater than 100 mmBtu/hr)	10	φυ	φυ	\$30,100	1	10		10	1	1	Φ1,000	\$30,100		a,c
a) initial	10	\$0	\$0	\$160,900	1	10	1	10	1	1	\$1,088	\$160,900		a,f
b) annual	10	\$0	\$0	\$53,600	1	10	3	30	3	2	\$3,263	\$160,800		
Scrubber System Monitoring and Operation (for units with wet scrubbers)												***		
a) initial b) annual	10 10	\$0 \$0	\$0 \$0	\$24,300 \$5,600	1	10 10	3	30 90	3	5	\$3,263 \$9,790	\$72,900 \$50,400		a
Bag Leak Detection System Operation (all sources that have fabric filters)	10	Ψ0	40	Ψ3,000	1	10	,	30	3	, , , , , , , , , , , , , , , , , , ,	ψ3,730	430,400		- u
a) initial	10	\$0	\$0	\$25,500	1	10	0	0	0	0	\$0	\$0		а
b) annual	10	\$0	\$0	\$9,700	1	10	0	0	0	0	\$0	\$0		a
Carbon Injection Monitoring System (all sources that use ACI to control Hg) a) initial	10	\$0	\$0	\$115.000	1	10	2	20	2	1	\$2.176	\$230.000		
a) initial b) annual	10	\$0 \$0	\$0	\$9,700	1	10	6	60	6	3	\$2,176	\$230,000		a
C. Create Information	na			120,000	-		<u> </u>				,	****		+-
D. Gather Information	na													
E. Report Preparation     1) Initial Notification that Source is Subject	2	\$0	\$0	\$0		2	1	2	0	0	\$218	\$0	1	
Initial Notification that Source is Subject     Notification of Compliance Status	8	\$0 \$0	\$0 \$0	\$0 \$0	1	8	1	8	1	0	\$218 \$870	\$0 \$0	1	a
Initial Report on results of Energy Audit	5	\$0	\$0	\$0	1	5	0	0	0	0	\$0	\$0	0	b
4) Semi-annual Compliance Report	20	\$0	\$0	\$0	2	40	5	200	20	10	\$21,756	\$0	10	a
Reporting Subtotal								923	92	46	\$100,402	\$1,021,500	12	
Recordkeeping Requirements     A. Read Instructions	Included in 3a													
A. Read Instructions B. Implement Activities	na na		-											+
C. Develop Record System	na		<u> </u>											е
D. Record Information														
Records of Operating Parameter Values	20	\$0	\$0	\$0	1	20	9	180	18	9	\$19,580	\$0		а
Records of Startup, Shutdown, Malfunction     Records of Startup, Toute	15 2	\$0 \$0	\$0 \$0	\$0 \$0	1	15 2	9	135 18	14	7	\$14,685 \$1,958	\$0 \$0		a
Records of Stack Tests     Records of Monitoring Device Calibrations	2	\$0 \$0	\$0 \$0	\$0	1	2	9	18	2	1	\$1,958 \$1,958	\$0 \$0		a
5) Records of Monitoring Device Calibrations  5) Records of All Compliance Reports Submitted	2	\$0	\$0	\$0	2	4	9	36	4	2	\$3,916	\$0		a
Records of Monthly Fuel Use	0.5	\$0	\$0	\$0	12	6	9	54	5	3	\$5,874	\$0		a,g
E. Personnel Training	na													
F. Time for Audits Recordkeeping Subtotal	na							441	44	22	\$47.971	\$0		1
Totals	-		<del>                                     </del>				-	1.364	136	68	\$47,971	\$1.021.500	12	+-
lotais								1,364	136	68	\$148,373	\$1,021,500	12	_

a. The total number of new large liquid fuel boilers estimated in the first 3 years of this rule is 9. 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 3 boilers per year. 5 new facilities will be subject in the first 3 years. It is assumed that 2 facilities will report in in year 1 and 2 and 1 facilities in year 3.

b Energy audits are not required for new sources.

c Only one unit is greater than 250 mmBtu/hr. This unit is counted during the first year

d Subsequent annual testing in year 3 are based on the number of sources that had an initial test in year 1 and 2 of this ICR. Subsequent semi-annual compliance reporting and recordkeeping requirements are based on the number of new sources in years 1-3 of this ICR. Since fuel analysis is only required once every five years, no burden is assigned in year 2.

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

f Only the number of new large liquid fuel units with a rated heat input capacity of 100 mmBtu/hr or greater are subject to continuous monitoring requirements and records of monitoring device calibrations.

g New large liquid units are expected to determine compliance through fuel analysis not stack testing h Only units less than 250 mmBtu/hr are expected to perform stack testing for PM. Units greater than 250 mmBtu/hr will be equipped with a PM CEMS

i Only units less than 100 mmBtu/hr are expected to perform stack testing for CO. Units greater than 100 mmBtu/hr will be equipped with a CO CEMS

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

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, New Large Gas Fuel Units

	for Hazard	ous Air Pollut	ants (NESHAF	or indus	triai, Commerc	iai, and inst	itutional Boiler	s - Year 1,	New Large	Gas Fuel C	Jnits			
								an	(1)	(7)				
	(A) Pocnondont		(C) Stack			(F) Technical		(H) Technical	Clerical	(J) Manageme				
	(A) Respondent	(D) Cortified		(D) Other	(E) Number of							(L) Total Non		S
	Hours per Occurrence	(B) Certified	Testing and Fuel Analysis	(D) Other Non-Labor	(E) Number of Occurrences	Hours per Respondent	(G) Number of	Hours per Year @	Hours per Year @	nt Hours per Year @		(L) Total Non- Labor Capital	(M) Total Number	.   흥
	(Technical	Energy Audit Cost per	Cost Per	Costs Per	Per Respondent	Per Year	Respondents	\$98.20 (F X	\$48.53 (H	\$114.49 (H	(K) Total Labor	Costs Per Year	of Responses per	. I š
Durden Item														Footnotes
Burden Item	hours)	Occurrence	Occurrence	Occurrence	Per Year\	(A X E)	Per Year	G)	X 0.1)	X .05)	Costs Per Year	[(B+C+D)xExG]	Year (E X G)	ш
1. Applications	na													
Surveys and Studies	na													
Reporting Requirements														
Read and Understand Rule Requirements	40	\$0	\$0	\$0	1	40	1	40	4	2	\$4,351	\$0		a, e,
B. Required Activities		**			_		=			_	* 1,000			,,
Initial Stack Test and Report (for PM)	12	\$0	\$5,000	\$0		12	0	0	0	0	\$0	\$0		a
					1		-	-	-	-				
Initial Stack Test and Report (for Hg)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0		a
Initial Stack Test and Report (for HCI)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0		a
Initial Stack Test and Report (for CO)	12	\$0	\$7,000	\$0	1	12	0	0	0	0	\$0	\$0		а
Initial Stack Test and Report (for D/F)	12	\$0	\$16,000	\$0	1	12	0	0	0	0	\$0	\$0		a
Annual Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12	0	0	0	0	\$0	\$0		
					_		-	-	-		\$0	\$0		a
Annual Stack Test and Report (for Hg)	12	\$0	\$8,000	\$0	1	12	0	0	0	0				a
Annual Stack Test and Report (for HCI)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0		а
Annual Stack Test and Report (for CO)	12	\$0	\$7,000	\$0	1	12	0	0	0	0	\$0	\$0		a
10. Annual Stack Test and Report (for D/F)	12	\$0	\$16,000	\$0	1	12	0	0	0	0	\$0	\$0		a
11. Initial Fuel Analysis for Mercury and HCL Content	5	\$0	\$400	\$0	1	5	0	0	0	0	\$0	\$0		a
Monthly Fuel Analysis for Mercury and HCL Content	5	\$0	\$400	\$0	12	60	0	0	0	0	\$0	\$0	<del>                                     </del>	a
	1 5	ΦU	Φ4UU	ΦU	12	00	U	U	U	U U	ΦU	ΦU		
Continuous Parameter Monitoring														a
Establish Site-specific monitoring plan (all)	40	\$0		\$0	1	40	0	0	0	0	\$0	\$0		a
Opacity														a
a) initial	10	\$0	\$0	\$43,100	1	10	0	0	0	0	\$0	\$0		a
b) annual	10	\$0	\$0	\$14,700	1	10	0	0	0	0	\$0	\$0		a
	10	Ψ0	Ψ0	\$14,700	1	10	U	U	0	0	Φ0	ΨΟ		
PM (only sources greater than 250 mmBtu/hr)														a
a) initial	10	\$0	\$0	\$158,000	1	10	0	0	0	0	\$0	\$0		а
b) annual	10	\$0	\$0	\$56,100	1	10	0	0	0	0	\$0	\$0		a
CO (only sources greater than 100 mmBtu/hr)														a
a) initial	10	\$0	\$0	\$160,900	1	10	0	0	0	0	\$0	\$0		a
b) annual	10	\$0	\$0	\$53,600	1	10	0	0	0	0	\$0	\$0		a
	10	Ψ0	Φ0	Φ33,000	1	10	U	U	0	0	Ψυ	Ψ0		а
Scrubber System Monitoring and Operation														
(for units with wet scrubbers)														а
a) initial	10	\$0	\$0	\$24,300	1	10	0	0	0	0	\$0	\$0		a
b) annual	10	\$0	\$0	\$5,600	1	10	0	0	0	0	\$0	\$0		a
Bag Leak Detection System Operation														_
(all sources that have fabric filters)														a
	10	\$0	\$0	\$25,500	1	10	0	0	_	_	\$0	\$0		
a) initial					1		-		0	0				a
b) annual	10	\$0	\$0	\$9,700	1	10	0	0	0	0	\$0	\$0		a
15. Annual Tune-up	12	\$0	\$2,875	\$0	1	12	2	24	2	1	\$2,611	\$5,750	2	С
C. Create Information	na													
D. Gather Information	na													_
E. Report Preparation														+
						-			<u> </u>		0010			+
Initial Notification that Source is Subject	2	\$0	\$0	\$0	1	2	1	2	0	0	\$218	\$0	1	a
Notification of Compliance Status	8	\$0	\$0	\$0	1	8	1	8	1	0	\$870	\$0	1	a
Initial Report on results of Energy Audit	5	\$0	\$0	\$0	1	5	0	0	0	0	\$0	\$0	0	С
4) Annual Compliance Report	20	\$0	\$0	\$0	2	40	2	80	8	4	\$8,702	\$0	4	a, h
5) Semi-annual Compliance Report	20	\$0	\$0	\$0	2	40	0	0	0	0	\$0	\$0	0	a, h
Reporting Subtotal							,	154	15	8	\$16,752	\$5,750	6	
			<del>                                     </del>	<b></b>				134	12	_ °	φ10,/32	φυ,/ ου	L 0	a
Recordkeeping Requirements	l													1
A. Read Instructions	Included in 3a													
B. Implement Activities	na			-										
C. Develop Record System	na													d
D. Record Information														+
	20	\$0	\$0	\$0	1	20	2	40	1	-	\$4,351	\$0		+ -
Records of Operating Parameter Values					1		_		4	2				a
Records of Startup, Shutdown, Malfunction	15	\$0	\$0	\$0	1	15	2	30	3	2	\$3,263	\$0		a
Records of Stack Tests	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0		a
Records of Monitoring Device Calibrations	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0		а
5) Records of All Annual Compliance Reports	1		<u> </u>	1				-	<u> </u>	· ·	<del>                                     </del>			+ -
Submitted	2	\$0	\$0	\$0	2	4	2	8	1	0	\$870	\$0		a, h
	- 4	Ψυ	φυ	Ψυ	-	-	-	U	-	ļ ,	φυιυ	Ψυ		a, I
Records of All Semi-Annual Compliance Reports	l .	l			l .	I .	_	_	1 .	Ι.		l		1
Submitted	2	\$0	\$0	\$0	2	4	0	0	0	0	\$0	\$0		a, h
7) Records of Monthly Fuel Use	0.5	\$0	\$0	\$0	12	6	2	12	1	1	\$1,305	\$0		a
	na													1
F. Personnel Training			1	1							1		-	+
E. Personnel Training														
E. Personnel Training F. Time for Audits	na													
F. Time for Audits								90	9	5	\$9.790	\$0		
								90 <b>244</b>	9	5 12	\$9,790 <b>\$26,542</b>	\$0 \$5,750	6	

a In order to calculate a per year estimate of the number of new boilers required to meet these rule requirements, the number of new projected boilers online by 2013 is divided by 3. In year 1 there are 2 natural gas boilers coming online. In year 2 there are 2 natural gas boilers and 1 other process gas boiler, and in year 3 there are 2 new natural gas boilers and 1 process gas boiler.

b A one-time requirement.

c Energy Audits are a proposed requirement for existing units only.

record system would be required.

e Six new natural gas boilers will be subject over the next 3 years, or 2 boilers per year. It is assumed that there are 3 new facilities, one facility per year will conduct an audit and submit initial noticiation and initial compliance status reports.

f Two new boilers firing process gases are projected.It is expected one new boiler will come online in year 2 and the other in year 3. One facility will submit reports and conduct compliance activities in year 2 and the other facility will submit reports in year 3.

g Only one new process gas boiler >100 mmBtu projected. It is assumed that one unit will come on in year 2 and the other in year 3.

h Only facilities with process gas (gas 2 units) subject to numerical emission limits are expected to be required to submit semi-annual compliance reports. Natural gas and refinery gas units are required to submit reports annually.

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, New Large Gas Fuel Units

1. Prints Stack Test and Report (for PM)   12   80   85,000   80   1   12   1   1   1   1   1   1   1		tor Hazard	ous Air Pollut	ants (NESHAP	) for indus	riai, Commerc	iai, and insti	tutional Boilers	s - Year 2, I	New Large	Gas Fuel U	inits			
Processor   Proc					1 '	1	1 1								
Processor   Proc					1 '	1	1 1								
Processor   Proc					1	1	1 1								
Processor   Proc					1 '	1	1 !								
Processor   Proc					1 '	1	1 !								
New Part					1	1	1 1		(H)	(1)					
Button   B		(A) Respondent		(C) Stack	1 '	1	(F) Technical		Technical	Clerical	Manageme				
Common   C		Hours per	(B) Certified	Testing and	(D) Other	(E) Number of	Hours per		Hours per	Hours per	nt Hours		(L) Total Non-		es
Applications   Appl		Occurrence	Ènergy Audit	Fuel Analysis				(G) Number of		Year @			Lábor Capital	(M) Total Number	ır 💆
Applications   Appl					Costs Per				\$98.20 (F X	\$48.53 (H	\$114.49 (H	(K) Total Labor			ırl ৳
Applications   Appl	Burden Item			Occurrence	Occurrence	Per Year\									l ö
2 Servey and Studies							<u> </u>		/	- /	,		10 - 7 - 7		+=
3. Registery Requirements   1							-								-
Reas and Colorational Rule Registration (Rule Regis	2. Surveys and Studies	na				1									
Required Activities   1					1	1	1 1								
R. Regional According Program Services   10   10   10   10   10   10   10   1	Read and Understand Rule Requirements	40	\$0	\$0	\$0	1	40	3	120	12	6	\$13,053	\$0		a, e,
1. Finish Sket Feel and Report for Penigh 12 90 85,000 80 1 12 1 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1															+
2. Finds Stack Flex and Report for Prof. 12		12	\$0	\$5,000	50	1	12	1	12	1	1	\$1.305	\$5,000		+ f
3. Final Stack Fact and Report for Port CO   12   90   85,000   90   1   12   1   1   1   1   1   1   1						1		1		_	l				
4. Finel Stack rest and Report (for CO) 5. Timel Stack rest and Report (for CO) 5. Timel Stack rest and Report (for Ps) 12. So 316,000 50. 1. 12. 1. 12. 1. 12. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.						_		_							
S. Friend Stack real and Report (For DPT)  1. 2. 80						1 1									
5. Ninal Stack Test and Report (for DPT)  5. Ninal Stack Test and Report (for DPT)  7. Ninal Stack Test and Report (for DPT)  7. Ninal Stack Test and Report (for DPT)  7. Ninal Stack Test and Report (for DPT)  8. Ninal Stack Test and Report (for DPT)  9. Ninal Stack Test and Report (for DPT)  12. Stack Test and Report (for DPT)  13. Ninal Stack Test and Report (for DPT)  14. Stack Test and Report (for DPT)  15. Stack Test and Report (for DPT)  16. Stack Test and Report (for DPT)  17. Stack Test and Report (for DPT)  18. Ninal Stack Test and	Initial Stack Test and Report (for CO)	12	\$0	\$7,000	\$0	1	12	0	0	0	0	\$0	\$0		f,g
S. Arrivand Stacks Test and Report (Fee Poly)   12   80   85,000   80   1   12   0   0   0   0   0   50   50   10   10	Initial Stack Test and Report (for D/F)	12	\$0	\$16,000	\$0	1	12	1	12	1	1	\$1.305	\$16,000		f
1. Francis States Test and Perport (10 Hz)   12   80   85,000   50   1   12   0   0   0   0   0   80   80   10   2   8   8   8   10   12   10   10   0   0   0   0   80   80   10   2   8   8   10   10   10   10   10   10				\$5,000		1 -								+	
8. Annual Stack Total and Report (or HCT) 12   \$30   \$1,000   \$0   \$1   \$12   \$0   \$0   \$0   \$0   \$0   \$30   \$30   \$1   \$12   \$10															
19. Arrival State Test and Report (Price CO)   12   50   \$1,000   50   1   12   0   0   0   0   0   50   50   1   12   10   10   10   10   10   10															
13.1 Final Part Alleys Referent (or Diff) 12															
13.1 Final Part Alleys Referent (or Diff) 12	Annual Stack Test and Report (for CO)		\$0	\$7,000	\$0	1	12	0	0	0	0	\$0	\$0		a
11. Small rule Analysis for Microzy and PALC Content 12. Moreity Further Microsy and PALC Content 13. Continuous Parameter Microsy and PALC Content 13. Continuous Parameter Microsy and PALC Content 13. Continuous Parameter Microsy and PALC Content 14. Small Rule Analysis for Microsy and PALC Content 13. Continuous Parameter Microsy and PALC Content 13. Continuous Parameter Microsy and PALC Content 13. Continuous Parameter Microsy and PALC Content 14. Small Rule Analysis for Microsy and PALC Content 14. Small Rule Analysis for Microsy and PALC Content 15. S						1		0		0	0	\$0	\$0	<del>                                     </del>	a
12. Monthly Fuel Analysis for Mercury and HCL Comment 13. Continuous Parameter Monthly plan (a) 1						_									
3.1   Continuous Parameter Monitoring plan (a)															
Establish Bise specific monitoring plant (all)   40   50   50   50   50   50   60   60   6		5	\$0	\$400	\$0	12	60	U	U	U	U	\$0	\$0		
Company   Comp	Continuous Parameter Monitoring														a
Company   Comp	Establish Site-specific monitoring plan (all)	40	\$0		\$0	1	40	1	40	4	2	\$4,351	\$0	1	a
a junital a juni	Onacity	<b>†</b>					<del></del>					· ·		<del>                                     </del>	
Bandard   Sample		10	40	\$0	\$43.100	1	10	0	0	0	l 0	0.2	40	+	
PM (only source greater than 250 minstall															
a pinital 10 S0 S0 S158,000 1 10 0 0 0 0 0 50 S0 S0 S0 S1 S18,000 1 10 0 0 0 0 0 0 50 S0		10	\$0	\$0	\$14,700	1	10	0	0	0	0	\$0	\$0		
Solution	PM (only sources greater than 250 mmBtu/hr)														a
Second   S	a) initial	10	\$0	\$0	\$158,000	1	10	0	0	0	0	\$0	\$0		a
Company   Sources greater than 100 ministuring   10   50   50   50   50   50   50   50	h) annual					1				0					
A) minist   10   \$0   \$0   \$50   \$55,090   1   10   1   1   1   \$1,088   \$15,0900   2   3   3   3   3   3   3   3   3   3			Ψ0	40	400,100	<del></del>	10					Ψ0	40		
Serubser System Monitoring and Operation   Serubser System Operation Operation Operation Operation Operation Operation Operation   Serubser System Operation Operati															
Scrubber System Monitoring and Operation (for units with west southbers of the stress					\$160,900	1 -		-		_					
Company with versurbbers   Company	b) annual	10	\$0	\$0	\$53,600	1	10	1	10	1	1	\$1,088	\$53,600		a, g
Company with versurbbers   Company	Scrubber System Monitoring and Operation														_
a   nitial   10   \$0   \$0   \$0   \$2,4300   1   10   1   1   1   \$1,088   \$2,3300   a   a   Baq Leak Detection System Operation (all sources that have finitely)	(for units with wet scrubbers)				1	1	1 1								a
Bay Lack Detection System Operation (all sources that have fabric filters)  Bay Lack Detection System Operation (all sources that have fabric filters)  a) initial 10 \$0 \$0 \$25,500 \$1 \$10 \$1 \$10 \$1 \$1 \$1 \$1,000 \$1 \$1 \$10 \$1 \$1 \$1 \$1 \$1,000 \$1 \$1 \$1 \$1 \$1 \$1 \$1,000 \$1 \$1 \$1 \$1 \$1,000 \$1 \$1 \$1 \$1 \$1,000 \$1 \$1 \$1 \$1 \$1,000 \$1 \$1 \$1 \$1 \$1,000 \$1 \$1 \$1,000 \$1 \$1 \$1,000 \$1 \$1 \$1,000 \$1 \$1 \$1,000 \$1 \$1 \$1,000 \$1 \$1 \$1,000 \$1 \$1 \$1,000 \$1 \$1 \$1,000 \$1 \$1 \$1,000 \$1 \$1 \$1,000 \$1 \$1 \$1,000 \$1 \$1 \$1,000 \$1 \$1 \$1,000 \$1 \$1 \$1,000 \$1 \$1 \$1,000 \$1 \$1 \$1,000 \$1 \$1 \$1,000 \$1,000		10	40	40	624 200	<del></del>	10	1	10	1	1	¢1 000	\$24.200		
Bag Leak Detection System Operation (all sources that have flatricitiens)								_		_					
(all sources that have fabric filters)  (a) a) nifial		10	\$0	\$0	\$5,600	1	10	1	10	1	1	\$1,088	\$5,600		a
(all sources that have fabric filters)  (a) a) nifial	Bag Leak Detection System Operation					1									
a) initial	(all sources that have fabric filters)				1	1	1 1								a
Digrammal   10   50   50   50   50   50   50   1   10   1   10   1   10   1   1   1		10	\$0	\$0	\$25,500	1	10	1	10	1	1	\$1.088	\$25,500		a
15. Annual Tune-up  12						1		1		1	1				
C. Create Information   na						1 -									
D. Gather information   na			\$0	\$2,875	\$0	1	12	4	48	5	2	\$5,221	\$11,500	4	C
E. Report Preparation 1) Initial Routine is Subject 2 \$0 \$0 \$0 \$0 1 2 2 2 4 0 0 \$43.5 \$0 2 a a 2) Notification of Compliance Status 8 \$0 \$0 \$0 \$0 1 8 2 2 16 2 1 \$1,740 \$0 2 a a 3) Initial Report on results of Energy Audit 5 \$0 \$0 \$0 \$0 1 8 2 2 16 2 1 \$1,740 \$0 2 a a 3) Initial Report on results of Energy Audit 4) Annual Compliance Report 2 \$0 \$0 \$0 \$0 \$0 1 5 0 0 0 0 0 \$0 \$0 \$0 0 0 0 0 0 0 0 0 0	C. Create Information	na				1									T
E. Report Preparation 1) Initial Notification that Source is Subject 2 \$0 \$0 \$0 \$0 1 2 2 4 4 0 0 0 \$435 \$0 2 a a 2) Notification of Compliance Status 8 \$0 \$0 \$0 \$1 8 8 2 16 2 1 \$1,740 \$0 2 a a 3) Initial Report on results of Energy Audit 5 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	D. Gather Information	na													-
1) Initial Notification that Source is Subject 2 \$0 \$0 \$0 \$0 \$1 2 2 2 4 0 0 0 \$435 \$0 2 a a 2) Notification of Compliance Status 8 \$0 \$0 \$0 \$0 \$1 8 8 2 16 2 1 \$1,740 \$0 2 a a 3) Initial Report on results of Energy Audit 5 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	F Report Preparation						-								+
2   Notification of Compliance Status		2	<b>en</b>	<b>e</b> n	60	1	1 2		1	0	<u> </u>	9675	<b>en</b>	1 2	+-
3   Initial Report on results of Energy Audit   5   \$0   \$0   \$0   \$0   \$0   \$0   \$0						1	<u> </u>							<del>-</del>	
A) Annual Compliance Report   20   \$0   \$0   \$0   \$0   \$0   \$0   \$0						_									
A   Annual Compliance Report   20   \$0   \$0   \$0   \$0   \$0   \$0   \$0	Initial Report on results of Energy Audit					1		0			0			0	С
S   Semi-annual Compliance Report   20   \$0   \$0   \$0   \$0   \$0   \$0   \$0		20	\$0	\$0	\$0	2	40	4	160	16	8	\$17,404	\$0	8	a, i
Reporting Subtoral					\$0	2	40	1			2		\$0	2	
4. Recordisepting Requirements Included in 3a Inclu							<del></del>	_						_	+, .
A. Read instructions   Included in 3a		1					$\vdash$		330	34		φυσ,υσυ	φ320,100	144	+-
B. Implement Activities		1													
C. Develop Record System					1	1	1 7								1 -
C. Develop Record System	B. Implement Activities	na													$\top$
D. Record Information   C.   C.   C.   C.   C.   C.   C.   C									l					t	d
1) Records of Operating Parameter Values 20 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0							$\overline{}$		<b>-</b>	<del></del>				+	+-
2   Records of Startup, Shutdown, Malfunction   15   \$0   \$0   \$0   \$1   \$15   \$5   \$75   \$8   \$4   \$8,158   \$0   \$0   \$a   \$3   \$8   \$0   \$1   \$15   \$5   \$75   \$8   \$4   \$8,158   \$0   \$a   \$3   \$8   \$4   \$8   \$15		20	60	60	60	-	1 20	-	100	10	-	610.070	60	+	+-
3) Records of Stack Tests 2 \$0 \$0 \$0 \$1 2 1 2 0 0 0 \$218 \$0 a 4 4 Records of Monitoring Device Calibrations 2 \$0 \$0 \$0 \$0 \$1 2 1 2 0 0 0 \$218 \$0 a 4 5 Records of Mills Annual Compliance Reports Submitted 2 \$0 \$0 \$0 \$0 \$2 4 4 16 2 1 \$1,740 \$0 a, i 6) Records of All Semi-Annual Compliance Reports 2 \$0 \$0 \$0 \$0 \$2 4 1 4 0 0 0 \$435 \$0 a, i 6) Records of Monthly Fuel Use 0.5 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0															
3) Records of Stack Tests 2 \$0 \$0 \$0 \$1 2 1 2 0 0 0 \$218 \$0 a 4 4 Records of Monitoring Device Calibrations 2 \$0 \$0 \$0 \$0 \$1 2 1 2 0 0 0 \$218 \$0 a 4 5 Records of Mills Annual Compliance Reports Submitted 2 \$0 \$0 \$0 \$0 \$2 4 4 16 2 1 \$1,740 \$0 a, i 6) Records of All Semi-Annual Compliance Reports 2 \$0 \$0 \$0 \$0 \$2 4 1 4 0 0 0 \$435 \$0 a, i 6) Records of Monthly Fuel Use 0.5 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	Records of Startup, Shutdown, Malfunction					1		5							a
4) Records of Mil Annual Compliance Reports Submitted 2 \$0 \$0 \$0 \$2 4 4 1 6 2 1 \$1,740 \$0 a.i. 6) Records of All Semi-Annual Compliance Reports 2 \$0 \$0 \$0 \$0 \$2 4 1 4 0 0 0 \$435 \$0 a.i. 7) Records of Mil Milhy Fuel Use 6.7) Records of Milhy Fuel Use 7. Time for Audits 8 1		2	\$0	\$0	\$0	1	2	1	2	0	0	\$218	\$0		a
S   Records of All Annual Compliance Reports Submitted   2   \$0   \$0   \$0   \$2   4   4   16   2   1   \$1,740   \$0   \$0   \$a, i   \$0   \$0   \$0   \$0   \$0   \$0   \$0														+	
Seconds of All Semi-Annual Compliance Reports   Submitted   2   \$0   \$0   \$0   \$2   4   1   4   0   0   \$4.35   \$0   \$0   \$1.00   \$1	.,			40					_		_ <u> </u>	42.20	Ψ0	<del> </del>	+ "
Seconds of All Semi-Annual Compliance Reports   Submitted   2   \$0   \$0   \$0   \$2   4   1   4   0   0   \$4.35   \$0   \$0   \$1.00   \$1			۱	1	1	1 . '	!	l .		١ .	1 .	** ***			1 .
Submitted         2         \$0         \$0         \$0         2         4         1         4         0         0         \$435         \$0         a, i           7) Records of Monthly Fuel Use         0.5         \$0         \$0         \$0         12         6         5         30         3         2         \$3,263         \$0         a         a           E. Personnel Training         na		2	\$0	\$0	\$0	2	4	4	16	2	1 1	\$1,740	\$0		a, i
Submitted         2         \$0         \$0         \$0         2         4         1         4         0         0         \$435         \$0         a, i           7) Records of Monthly Fuel Use         0.5         \$0         \$0         \$0         12         6         5         30         3         2         \$3,263         \$0         a         a           E. Personnel Training         na	Records of All Semi-Annual Compliance Reports														T
The Cords of Monthly Fuel Use   0.5   \$0   \$0   \$0   \$0   \$12   6   5   30   3   2   \$3,263   \$0   \$0   \$0   \$0   \$0   \$0   \$0   \$		2	\$0	\$0	\$0	1 2	1 4	1	4	0	l 0	\$435	\$0		ai
E. Personnel Training         na														+	
F. Time for Audits na la			φυ	Ψυ	Ψυ	14		J	30	3		φο,20ο	Ψυ		_ a
Recordkeeping Subtotal															$\perp$
Recordkeeping Subtotal	F. Time for Audits	na													
		l					$\vdash$		222	- 00		004.010	***	+	+
Totals 765 77 38 \$83.215 \$328.100 14	recorakeening Subtotal	1		l	1 '	1	1 1	1	229	23	11	\$24,910	\$0	1	$\perp$

a. In order to calculate a per year estimate of the number of new boilers required to meet these rule requirements, the number of new projected boilers online by 2013 is divided by 3. In year 1 there are 2 natural gas boilers coming online. In year 2 there are 2 natural gas boilers and 1 other process gas boiler, and in year 3 there are 2 new natural gas boilers and 1 process gas boiler.

b A one-time requirement. c Energy Audits are a proposed requirement for existing units only.

d Assumes facility must already maintain records on boiler insurance and/or maintenance schedule as part of their operations. No new record system would be required.

e Six new natural gas boilers will be subject over the next 3 years, or 2 boilers per year. It is assumed that there are 3 new facilities, one facility per year will conduct an audit and submit initial noticiation and initial compliance status reports.

f Two new boilers firing process gases are projected. It is expected one new boiler will come online in year 2 and the other in year 3. One facility will submit reports and conduct compliance activities in year 2 and the other facility will submit reports in year 3.

g Only one new process gas boiler >100 mmBtu projected. It is assumed this unit will come on in year 2. h Process gas units are expected to demonstrate compliance with a stack test instead of a fuel analysis.

i Only facilities with process gas (gas 2 units) subject to numerical emission limits are expected to submit reports annually and conduct a tune-up.

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, New Large Gas Fuel Units

	for Hazard	dous Air Pollu	tants (NESHA	P) for Indus	strial, Commer	cial, and Inst	itutional Boiler	s - Year 3,	New Large	Gas Fuel C	Jnits			
								(H)	m	(J)				
	(A) Respondent		(C) Stack			(F) Technical		Technical	Clerical	Manageme				
	Hours per	(B) Certified	Testing and	(D) Other	(E) Number of	Hours per		Hours per	Hours per	nt Hours		(L) Total Non-		les
	Occurrence	Energy Audit	Fuel Analysis	Non-Labor	Occurrences	Respondent	(G) Number of	Year @	Year @	per Year @	(I/) Total Labor	Labor Capital	(M) Total Number	1 2
Burden Item	(Technical hours)	Cost per Occurrence	Cost Per Occurrence	Costs Per Occurrence	Per Respondent Per Year\	Per Year (A X E)	Respondents Per Year	\$98.20 (F X G)	\$48.53 (H X 0.1)	\$114.49 (H X .05)	(K) Total Labor Costs Per Year	Costs Per Year [(B+C+D)xExG]	of Responses per Year (E X G)	Footnote
1. Applications	na	Cocumento	Coodification	Coddirence	T OF TOUR	(11,12)	1 01 1 001	- 0,	7. 0.1)	7(.00)	Coolo i ci i cui	[(B·O·B)XEXO]	10th (E // 0)	+ "
Surveys and Studies	na													1
Reporting Requirements														1
Read and Understand Rule Requirements	40	\$0	\$0	\$0	1	40	2	80	8	4	\$8,702	\$0		a, e,
B. Required Activities														
Initial Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12	1	12	1	1	\$1,305	\$5,000		f,i
Initial Stack Test and Report (for Hg)	12	\$0	\$8,000	\$0	1	12	1	12	1	1	\$1,305	\$8,000		f
Initial Stack Test and Report (for HCl)	12	\$0	\$8,000	\$0	1	12	1	12	1	1	\$1,305	\$8,000		f
Initial Stack Test and Report (for CO)  Fullial Stack Test and Report (for D/F)  Fullial Stack Test and Report (for D/F)	12 12	\$0 \$0	\$7,000	\$0 \$0	1	12 12	1	12 12	1	1	\$1,305 \$1,305	\$7,000 \$16,000		f,I,j
Initial Stack Test and Report (for D/F)     Annual Stack Test and Report (for PM)	12	\$0	\$16,000 \$5,000	\$0	1	12	1	12	1	1	\$1,305	\$16,000		a
7. Annual Stack Test and Report (for Hg)	12	\$0	\$8,000	\$0	1	12	1	12	1	1	\$1,305	\$8,000		a
Annual Stack Test and Report (for HCl)	12	\$0	\$8,000	\$0	1	12	1	12	1	1	\$1,305	\$8,000		a
Annual Stack Test and Report (for CO)	12	\$0	\$7,000	\$0	1	12	0	0	0	0	\$0	\$0		a
10. Annual Stack Test and Report (for D/F)	12	\$0	\$16,000	\$0	1	12	1	12	1	1	\$1,305	\$16,000		a
11. Initial Fuel Analysis for Mercury and HCL Content	5	\$0	\$400	\$0	1	5	0	0	0	0	\$0	\$0		a, h
12. Monthly Fuel Analysis for Mercury and HCL Content	5	\$0	\$400	\$0	12	60	0	0	0	0	\$0	\$0		a, h
13. Continuous Parameter Monitoring														a
Establish Site-specific monitoring plan (all)	40	\$0		\$0	1	40	1	40	4	2	\$4,351	\$0		a
Opacity														a
a) initial	10	\$0	\$0	\$43,100	1	10	0	0	0	0	\$0	\$0		a
b) annual	10	\$0	\$0	\$14,700	1	10	0	0	0	0	\$0	\$0		a
PM (only sources greater than 250 mmBtu/hr)	10		**	*450.000		10	0	0		0		\$0		a
a) initial	10	\$0	\$0	\$158,000 \$56,100	1	10			0		\$0			a,j
b) annual CO (only sources greater than 100 mmBtu/hr)	10	\$0	\$0	\$56,100	1	10	0	0	0	0	\$0	\$0		a
a) initial	10	\$0	\$0	\$160,900	1	10	0	0	0	0	\$0	\$0		a, g, i
b) annual	10	\$0	\$0	\$53,600	1	10	1	10	1	1	\$1,088	\$53,600		a, g, r
Scrubber System Monitoring and Operation	10		+ + + + + + + + + + + + + + + + + + + +	400,000	-	10	-	10	-	-	<b>\$1,000</b>	400,000		u, g
(for units with wet scrubbers)														a
a) initial	10	\$0	\$0	\$24,300	1	10	1	10	1	1	\$1,088	\$24,300		a
b) annual	10	\$0	\$0	\$5,600	1	10	2	20	2	1	\$2,176	\$11,200		a
Bag Leak Detection System Operation														
(all sources that have fabric filters)														a
a) initial	10	\$0	\$0	\$25,500	1	10	1	10	1	1	\$1,088	\$25,500		a
b) annual	10 12	\$0 \$0	\$0	\$9,700	1	10	2	20	2	1	\$2,176	\$19,400		a
15. Annual Tune-up C. Create Information	na 12	\$0	\$2,875	\$0	1	12	6	72	- /	4	\$7,832	\$17,250	6	С
D. Gather Information	na													_
E. Report Preparation	IId													+
Initial Notification that Source is Subject	2	\$0	\$0	\$0	.1	2	2	4	0	0	\$435	\$0	2	a
Notification of Compliance Status	8	\$0	\$0	\$0	1	8	2	16	2	1	\$1,740	\$0	2	a
Initial Report on results of Energy Audit	5	\$0	\$0	\$0	1	5	0	0	0	0	\$0	\$0	0	C
Annual Compliance Report	20	\$0	\$0	\$0	2	40	6	240	24	12	\$26,107	\$0	12	a
5) Semi-annual Compliance Report	20	\$0	\$0	\$0	2	40	2	80	8	4	\$8,702	\$0	4	a
Reporting Subtotal								710	71	36	\$77,232	\$232,250	20	
Recordkeeping Requirements														
A. Read Instructions	Included in 3a													
B. Implement Activities	na													1
C. Develop Record System	na													d
D. Record Information  1) Records of Operating Parameter Values	20	\$0	\$0	\$0	1	20	8	160	10	8	¢17.404	\$0		1
Records of Operating Parameter Values     Records of Startup, Shutdown, Malfunction	20 15	\$0 \$0	\$0	\$0	1	20 15	8	160	16 12	6	\$17,404 \$13.053	\$0 \$0		a
Records of Startup, Shutdown, Manufiction     Records of Stack Tests	2	\$0	\$0	\$0	1	2	2	4	0	0	\$435	\$0		a
Records of Stack Tests     Records of Monitoring Device Calibrations	2	\$0	\$0	\$0	1	2	2	4	0	0	\$435	\$0		a
5) Records of All Annual Compliance Reports	2	\$0			2				2					<u> </u>
Submitted  6) Records of All Semi-Annual Compliance Reports			\$0	\$0		4	6	24		1	\$2,611	\$0		a
Submitted	2	\$0	\$0	\$0	2	4	2	8	1	0	\$870	\$0		a
6) Records of Monthly Fuel Use	0.5	\$0	\$0	\$0	12	6	8	48	5	2	\$5,221	\$0		a
E. Personnel Training	na													1
F. Time for Audits	na													_
								368	37	18	\$40.030	\$0		
Recordkeeping Subtotal						'		000	31	1 -0	Ψ10,000	ΨΟ	1	
Recordkeeping Subtotal  Totals								1,078	108	54	\$117,262	\$232,250		_

a. In order to calculate a per year estimate of the number of new boilers required to meet these rule requirements, the number of new projected boilers online by 2013 is divided by 3. New natural gas boilers are projected to be natural gas fired and thus only subject to an annual tune-up work practice standard and a facility-wide energy audit. Other process gas boilers will be subject to monitoring and testing requirements for all pollutants. In year 1 there are 2 natural gas boilers coming online. In year 2 there are 2 natural gas boilers and 1 process gas boiler, and in year 3 there are 2 new natural gas boilers and 1 process gas boiler.

b A one-time requirement.

c Energy Audits are a proposed requirement for existing units only.

d Assumes facility must already maintain records on boiler insurance and/or maintenance schedule as part of their operations. No new record system would be required.

e Six new natural gas boilers will be subject over the next 3 years, or 2 boilers per year. It is assumed that there are 3 new facilities, one facility per year will conduct an audit and submit initial noticiation and initial compliance status reports.

Two new boilers fringing process gases are projected. It is expected this expected one new boiler will come online in year 2 and the other facility will submit reports and conduct compliance activities in year 2 and the other facility will submit reports in year 3.

g Only one new process gas boiler >100 mmBtu projected. It is assumed this unit will come on in year 2. h Process gas units are expected to demonstrate compliance with a stack test instead of a fuel analysis.

i Only one new natural gas boiler >100 ot < 250 mmBtu projected. It is assumed this unit will come on in year 3.

j Only one new natural gas boiler > 250 mmBtu projected. It is assumed this unit will come on in year 3.

Table 7.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 Solid Fuel Units

				,	istriai, Comme				1					
Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Certified Energy Audit Cost per Occurrence	(C) Annual Tune-Up 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	(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 Capital Costs Per Year ((B+C+D) xExG)	(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	80	8	4	\$8.702	\$0	0	а
B. Required Activities		**	7.7		_		_		_		70,100		-	-
Conduct Energy Audit													0	+
a) Commerical	20	\$854	\$0	\$0	1	20	0	0	0	0	\$0	\$0	0	b,c
b) Industrial	20	\$18.292	\$0	\$0	1	20	0	0	0	0	\$0	\$0	0	b.c
2. Biennual Tune-Up	12	\$0	\$2,228	\$0	0.5	6	0	0	0	0	\$0	\$0	0	C
C. Create Information	na	+0	<b>\$2,220</b>	+0	0.0						+**	+0	, ,	<u> </u>
D. Gather Information	na													-
E. Report Preparation														
Initial Notification that Source is														
Subject Subject	2	\$0	\$0	\$0	1	2	2	4	0	0	\$435	\$0	2	a
2) Notification of Compliance Status	8	\$0	\$0	\$0	1	8	0	0	0	0	\$0	\$0	0	С
Biennial Compliance Report	5	\$0	\$0	\$0	0.5	2.5	0	0	0	0	\$0	\$0	0	f
Reporting Subtotal								84	8	4	9,137	0	2	
Recordkeeping Requirements														
A. Read Instructions	Included in 3a													
B. Implement Activities	na													<b>†</b>
C. Develop Record System	na													е
D. Record Information														
Records of All Notifications and Compliance Reports Submitted	2	\$0	\$0	\$0	0.5	1	0	0	0	0	\$0	\$0	0	С
Records of Startup, Shutdown,     Malfunction	15	\$0	\$0	\$0	1	15	0	0	0	0	\$0	\$0	0	g
3) Biennial Tune-Up Records	0.5	\$0	\$0	\$0	0.5	0.25	0	0	0	0	\$0	\$0	0	C
E. Personnel Training	na						-	1		-		1	-	+
F. Time for Audits	na													+
Recordkeeping Subtotal								0	0	0	\$0	\$0	0	_
Totals								84	8	4	\$9,137	\$0	2	_
Totals								U-7	_ •		Ψ3,131	Ψυ		Ц

a Number of respondents based on number of existing small solid fuel boilers which includes biomass and coal units less than 10 mmBtu/hr (assumption of 8 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. Based on the distribution facility NAICS codes in the 2008 combustion unit survey database, 12.6% of facilities are in the commercial sector while the remaining 87.4% of facilities are in the industrial sector.

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, no burden is assumed in year 1.

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. These site visits are assumed to be conducted by certified energy professionals. There is only 1 existing facility under this category and it is assumed that it will be an industrial facility since industrial is the vast majority of projected units.

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

f. Since a tune-up is required biennially, every two years, the compliance reports for small units are also due every two years. Records of the tune-ups will be submitted to the Administrator upon request.

g. Small units are not required to maintain records on startup, shutdown and malfunction.

Table 7.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)	(B) Certified Energy Audit Cost per Occurrence	(C) Annual Tune-Up 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	(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 Capital Costs Per Year ((B+C+D) xExG)	(M) Total Number of Responses per Year (E X G)	Footnotes
1. Applications	na	Occurrence	per occurrence	Occurrence	Tour	(4,4,2)	1 Ci i Cai	- 0,	(11 / 0.1)	7.00)	COSIST CITCUI	ALAO)	Tear (E X O)	Н
2. Surveys and Studies	na													
3. Reporting Requirements	Πά													
A. Read and Understand Rule														
Requirements	40	\$0	\$0	\$0	1	40	0	0	0	0	\$0	\$0		a
B. Required Activities	40	ΨΟ	ΨΟ	ΨΟ		40	0	-	0	-	ΨΟ	ΨΟ		u u
Conduct Energy Audit														-
a) Commerical	20	\$854	\$0	\$0	1	20	0	0	0	0	\$0	\$0		b,c
b) Industrial	20	\$18.292	\$0	\$0	1	20	1	20	2	1	\$2,176	\$18.292		b,c
2. Biennual Tune-Up	12	\$0	\$2,228	\$0	0.5	6	9	51	5	3	\$5.548	\$18,938		C
C. Create Information	na	ΨΟ	ΨΖ,ΖΖΟ	ΨΟ	0.5	0	3	31	- 3	J	Ψ5,540	Ψ10,550		-
D. Gather Information	na													
E. Report Preparation	TICK .													
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
Biennial Compliance Report	5	\$0	\$0	\$0	0.5	2.5	0	0	0	0	\$0	\$0	0	f
Reporting Subtotal								71	7	4	7,723	37,230	0	
Recordkeeping Requirements														
A. Read Instructions	Included in 3a													
B. Implement Activities	na													
C. Develop Record System	na													е
D. Record Information														
Records of All Notifications and Compliance Reports Submitted	2	\$0	\$0	\$0	0.5	1	0	0	0	0	\$0	\$0	0	С
Records of Startup, Shutdown,     Malfunction	15	\$0	\$0	\$0	1	15	0	0	0	0	\$0	\$0	0	g
3) Biennial Tune-Up Records	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	
recordiceping Subtotal												1		

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. There is only 1 existing unit under this category. Energy audit burdens for this unit will be accounted for in year 2.

- e Assumes facility must already maintain records on boiler insurance and/or maintenance schedule. No new record system would be required.
- f. Since a tune-up is required biennially, every two years, the compliance reports for small units are also due every two years. Records of the tune-ups will be submitted to the Administrator upon request.
- g. Small units are not required to maintain records on startup, shutdown and malfunction.

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. Based on the distribution facility NAICS codes in the 2008 combustion unit survey database, 12.6% of facilities are in the commercial sector while the remaining 87.4% of facilities are in the industrial sector. The one facility with biomass boilers is expected to be at industrial facility and it will conduct the audit in year 2.

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 3 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. Annualized cost of \$2228 for a tune-up is calculated considering a biennual schedule.

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. These site visits are assumed to be conducted by certified energy professionals. There is only 1 existing facility under this category and it is assumed that it will be an industrial facility since industrial is the vast majority of projected units.

Table 7.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

			(	,			tutional bollers							
Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Certified Energy Audit Cost per Occurrence	(C) Annual Tune-Up 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 X 0.1)	(J) Managemen t Hours per Year @ \$114.49 (H X .05)	(K) Total Labor Costs Per Year	(L) Total Non-Labor Capital Costs Per Year ((B+C+D) xExG)	(M) Total Number of Responses per Year (E X G)	Footnotes
Applications	na													
Surveys and Studies	na													
Reporting Requirements														
Read and Understand Rule														
Requirements	40	\$0	\$0	\$0	1	40	0	0	0	0	\$0	\$0		a
B. Required Activities														
Conduct Energy Audit														
a) Commerical	20	\$854	\$0	\$0	1	20	0	0	0	0	\$0	\$0		b,c
b) Industrial	20	\$18.292	\$0	\$0	1	20	0	0	0	0	\$0	\$0		b.c
2. Biennual Tune-Up	12	\$0	\$2,228	\$0	0.5	6	9	51	5	3	\$5,548	\$18,938		C
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	а
							-							
2) Notification of Compliance Status	8	\$0	\$0	\$0	1	8	2	16	2	1	\$1,740	\$0	2	С
Biennial Compliance Report	5	\$0	\$0	\$0	0.5	2.5	2	5	1	0	\$544	\$0	1	f
Reporting Subtotal								72	7	4	7,832	18,938	3	
Recordkeeping Requirements														
A. Read Instructions	Included in 3a													
B. Implement Activities	na													
C. Develop Record System	na													е
D. Record Information														
Records of All Notifications and Compliance Reports Submitted	2	\$0	\$0	\$0	0.5	1	17	17	2	1	\$1,849	\$0		С
Records of Startup, Shutdown,	15	ФО.	ФО.	ФО.	1	15			_		<b>#</b> 0	#0		_
Malfunction	15	\$0	\$0 \$0	\$0	1	15	0	0 4	0	0	\$0	\$0 \$0		g
3) Biennial Tune-Up Records	0.5	\$0	\$0	\$0	0.5	0.25	17	4	0	0	\$462	\$0	9	С
E. Personnel Training	na													
F. Time for Audits	na													
Recordkeeping Subtotal								21.25	2.125	1.0625	\$2,312	\$0		
Totals								93	9	5	\$10,144	\$18,938	3	

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. Based on the distribution facility NAICS codes in the 2008 combustion unit survey database, 12.6% of facilities are in the commercial sector while the remaining 87.4% of facilities are in the industrial sector. The one facility with biomass boilers is expected to be at industrial facility and it will conduct the audit in year 2.

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. These site visits are assumed to be conducted by certified energy professionals. There is only 1 existing facility under this category and it is assumed that it will be an industrial facility since industrial is the vast majority of projected units.

- e Assumes facility must already maintain records on boiler insurance and/or maintenance schedule. No new record system would be required.
- f. Since a tune-up is required biennially, every two years, the compliance reports for small units are also due every two years. Records of the tune-ups will be submitted to the Administrator upon request.
- g. Small units are not required to maintain records on startup, shutdown and malfunction.

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.

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 - Year 1, Existing Small Liquid Fuel Units

				,	,	.,		,						
Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Certified Energy Audit Cost per Occurrence	(C) Annual Tune-Up 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	(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 Capital Costs Per Year ((B+C+D) xExG)	(M) Total Number of Responses	Footnotes
Applications	na													
Surveys and Studies	na													
Reporting Requirements														
A. Read and Understand Rule     Requirements     B. Required Activities	40	\$0	\$0	\$0	1	40	29	1,160	116	58	\$126,182	\$0		а
Conduct Energy Audit														
a) Commerical	20	\$854	\$0	\$0	1	20	0	0	0	0	\$0	\$0		b, c, d
b) Industrial	20	\$18,292	\$0	\$0	1	20	0	0	0	0	\$0	\$0		b, c, d
2. Biennual Tune-Up	12	\$0	\$2,228	\$0	0.5	6	0	0	0	0	\$0	\$0		c. f
C. Create Information	na		. , .			-	-							
D. Gather Information	na													
E. Report Preparation														
Initial Notification that Source is Subject	2	\$0	\$0	\$0	1	2	29	58	6	3	\$6,309	\$0	29	a
2) Notification of Compliance Status	8	\$0	\$0	\$0	1	8	0	0	0	0	\$0	\$0	0	С
Biennial Compliance Report	5	\$0	\$0	\$0	0.5	2.5	0	0	0	0	\$0	\$0	0	c, f
Reporting Subtotal								1,218	122	61	132,491	0	29	
Recordkeeping Requirements														
A. Read Instructions	Included in 3a													
B. Implement Activities	na													
C. Develop Record System	na													е
D. Record Information														
Records of All Notifications and Compliance Reports Submitted	2	\$0	\$0	\$0	0.5	1	0	0	0	0	\$0	\$0	0	С
Records of Startup, Shutdown,     Malfunction	15	\$0	\$0	\$0	1	15	0	0	0	0	\$0	\$0	0	c, g
3) Biennial Tune-Up Records	0.5	\$0	\$0	\$0	0.5	0.25	0	0	0	0	\$0	\$0	0	C, f
E. Personnel Training	na						-			-			-	+
F. Time for Audits	na									1				+
Recordkeeping Subtotal								0	0	0	\$0	\$0	0	
Totals								1,218	122	61	\$132,491	\$0	29	

a Number of respondents based on number of existing small liquid fuel boilers which includes units less than 10 mmBtu/hr (assumption of 8 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. Based on the distribution of facilities with affected boilers or process heaters, 87.4% of facilities are in the industrial sector while the remaining 12.6% of facilities are in the commercial sector.

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, no burden is assumed in year 1.

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. 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. Since a tune-up is required biennially, every two years, the compliance reports for small units are also due every two years. Records of the tune-ups will be submitted to the Administrator upon request.

g. Small units are not required to maintain records on startup, shutdown and malfunction.

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 - Year 2, Existing Small Liquid Fuel Units

Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Certified Energy Audit Cost per Occurrence	(C) Annual Tune-Up 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 X 0.1)	(J) Managemen t Hours per Year @ \$114.49 (H X .05)	(K) Total Labor Costs Per Year	(L) Total Non-Labor Capital Costs Per Year ((B+C+D)xE xG)	(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		a
B. Required Activities		40	40		-						40	+-		<u> </u>
Conduct Energy Audit														+
a) Commerical	20	\$854	\$0	\$0	1	20	2	40	4	2	\$4,351	\$1.708		b, c, d
b) Industrial	20	\$18,292	\$0 \$0	\$0 \$0	1	20	13	260	26	13	\$28,282	\$237,796		
								738						b, c, d
2. Biennual Tune-Up	12	\$0	\$2,228	\$0	0.5	6	123	738	74	37	\$80,278	\$274,044		c, f
C. Create Information	na													
D. Gather Information	na													
E. Report Preparation														
Initial Notification that Source is     Subject	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0	0	а
2) Notification of Compliance Status	8	\$0	\$0	\$0	1	8	0	0	0	0	\$0	\$0	0	С
Biennial Compliance Report	5	\$0	\$0	\$0	0.5	2.5	0	0	0	0	\$0	\$0	0	c, f
Reporting Subtotal								1,038	104	52	112,911	513,548	0	
Recordkeeping Requirements														
A. Read Instructions	Included in 3a													
B. Implement Activities	na													_
C. Develop Record System	na													е
D. Record Information														<del>-</del>
Records of All Notifications and Compliance Reports Submitted	2	\$0	\$0	\$0	0.5	1	0	0	0	0	\$0	\$0	0	С
Records of Startup, Shutdown,     Malfunction	15	\$0	\$0	\$0	1	15	0	0	0	0	\$0	\$0	0	c, g
3) Biennial Tune-Up Records	0.5	\$0	\$0	\$0	0.5	0.25	0	0	0	0	\$0	\$0	0	c, f
E. Personnel Training	na			-										
F. Time for Audits	na													+
Recordkeeping Subtotal								0	0	0	\$0	\$0	0	+
Totals								1,038	104	52	\$112.911	\$513,548	0	+
101413					1			1,000	104	32	ΨΙΙΣ,ΟΙΙ	<b>#313,340</b>		$\perp$

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. Based on the distribution of facilities with affected boilers or process heaters, 87.4% of facilities are in the industrial sector while the remaining 12.6% of facilities are in the commercial sector.

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. 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. Since a tune-up is required biennially, every two years, the compliance reports for small units are also due every two years. Records of the tune-ups will be submitted to the Administrator upon request.

g. Small units are not required to maintain records on startup, shutdown and malfunction.

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 - Year 3, Existing Small Liquid Fuel Units

	(4)		<u> </u>		T .			4.0		(3)		(1) T-1-1N		
	(A) Respondent					(F) Technical		(H) Technical	(I) Clerical	(J) Managemen		(L) Total Non- Labor Capital	(M) Total	
	Hours per	(B) Certified		(D) Other	(E) Number of	Hours per		Hours per	Hours per	t Hours per		Costs Per	Number of	Sa
	Occurrence	Ènergy Audit	(C) Annual	Non-Labor	Occurrences Per	Respondent	(G) Number of	Year @	Year @	Year @		Year	Responses	Į į
	(Technical	Cost per	Tune-Up Cost	Costs Per	Respondent Per	Per Year	Respondents	\$98.20 (F X			(K) Total Labor		per Year (E X	Footnotes
Burden Item	hours)	Occurrence	per Occurrence	Occurrence	Year\	(A X E)	Per Year	G)	X 0.1)	X .05)	Costs Per Year	G)	G)	й
1. Applications	na													
Surveys and Studies	na													
Reporting Requirements														
A. Read and Understand Rule														
Requirements	40	\$0	\$0	\$0	1	40	0	0	0	0	\$0	\$0		a
B. Required Activities														
Conduct Energy Audit														
a) Commerical	20	\$854	\$0	\$0	1	20	1	20	2	1	\$2,176	\$854		b, c, d
b) Industrial	20	\$18,292	\$0	\$0	1	20	13	260	26	13	\$28,282	\$237,796		b, c, d
2. Biennual Tune-Up	12	\$0	\$2,228	\$0	0.5	6	122	732	73	37	\$79,625	\$271,816		c, f
C. Create Information	na													
D. Gather Information	na													
E. Report Preparation														
Initial Notification that Source is														
Subject	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0	0	a
0.11.05.00.00.00.00.00.00.00.00.00.00.00.00.		40	40	4.0	_						+0= 000	40		
2) Notification of Compliance Status	8	\$0	\$0	\$0	1	8	29	232	23	12	\$25,236	\$0	29	С
Biennial Compliance Report	5	\$0	\$0	\$0	0.5	2.5	29	73	7	4	\$7,886	\$0	15	c, f
Reporting Subtotal								1,317	132	66	143,206	510,466	44	
Recordkeeping Requirements														
	Included in 3a													
B. Implement Activities	na													
C. Develop Record System	na													е
D. Record Information														
Records of All Notifications and														
Compliance Reports Submitted	2	\$0	\$0	\$0	0.5	1	245	245	25	12	\$26,650	\$0		С
<ol><li>Records of Startup, Shutdown,</li></ol>														
Malfunction	15	\$0	\$0	\$0	1	15	0	0	0	0	\$0	\$0		c, g
3) Biennial Tune-Up Records	0.5	\$0	\$0	\$0	0.5	0.25	245	61	6	3	\$6,663	\$0	123	c, f
E. Personnel Training	na													
F. Time for Audits	na													
Recordkeeping Subtotal								306.25	30.625	15.3125	\$33,313	\$0		
Totals								1,623	162	81	\$176,519	\$510,466	44	

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.

- e Assumes facility must already maintain records on boiler insurance and/or maintenance schedule. No new record system would be required.
- f. Since a tune-up is required biennially, every two years, the compliance reports for small units are also due every two years. Records of the tune-ups will be submitted to the Administrator upon request.
- g. Small units are not required to maintain records on startup, shutdown and malfunction.

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. Based on the distribution of facilities with affected boilers or process heaters, 87.4% of facilities are in the industrial sector while the remaining 12.6% of facilities are in the commercial sector.

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. These site visits are assumed to be conducted by certified energy professionals.

# Table 9.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 Gas Fuel Units

	1							1	<del> </del>					
Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Certified Energy Audit Cost per Occurrence	(C) Annual Tune-Up 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 X 0.1)	(J) Managemen t Hours per Year @ \$114.49 (H X .05)	(K) Total Labor Costs Per Year	(L) Total Non- Labor Capital Costs Per Year ((B+C+D)xExG)	(M) Total Number of Responses per Year (E X G)	Footnotes
1. Applications	na													
Surveys and Studies	na													
Reporting Requirements														
A. Read and Understand Rule Requirements	40	\$0	\$0	\$0	1	40	848	33,920	3,392	1,696	\$3,689,733	\$0		a
B. Required Activities														
Conduct Energy Audit														
a) Commerical	20	\$854	\$0	\$0	1	20	0	0	0	0	\$0	\$0		b, c, d
b) Industrial	20	\$18,292	\$0	\$0	1	20	0	0	0	0	\$0	\$0		b, c, d
2. Biennial Tune-Up	12	\$0	\$2,228	\$0	0.5	6	0	0	0	0	\$0	\$0		c, f
C. Create Information	na													
D. Gather Information	na													
E. Report Preparation														
Initial Notification that Source is														
Subject	2	\$0	\$0	\$0	1	2	848	1,696	170	85	\$184,487	\$0	848	a
Notification of Compliance Status     Biennial Compliance Report	8	\$0 \$0	\$0 \$0	\$0 \$0	1 0.5	8 2.5	0	0	0	0	\$0 \$0	\$0 \$0	0	c c, f
Reporting Subtotal	5	ΦО	Φ0	Φ0	0.5	2.5	U	35.616	3.562	1.781	3.874.219	90	848	C, I
4. Recordkeeping Requirements								35,010	3,302	1,761	3,674,219	U	040	
A. Read Instructions	Included in 3a													
B. Implement Activities														
C. Develop Record System	na													
D. Record Information	na													е
Records of All Notifications and Compliance Reports Submitted	2	\$0	\$0	\$0	0.5	1	0	0	0	0	\$0	\$0	0	С
Records of Startup, Shutdown,     Malfunction	15	\$0	\$0	\$0	1	15	0	0	0	0	\$0	\$0	0	c, g
3) Biennial Tune-Up Records	0.5	\$0	\$0	\$0	0.5	0.25	0	0	0	0	\$0	\$0	0	c, f
E. Personnel Training	na													
F. Time for Audits	na													
Recordkeeping Subtotal								0	0	0	\$0	\$0	0	
Totals								35,616	3,562	1,781	\$3,874,219	\$0	848	

a Number of respondents based on number of existing gas liquid fuel boilers which includes natural, petroleum, and other gas units less than 10 mmBtu/hr (assumption of 8 units per facility).

- e Assumes facility must already maintain records on boiler insurance and/or maintenance schedule. No new record system would be required.
- f. Since a tune-up is required biennially, every two years, the compliance reports for small units are also due every two years. Records of the tune-ups will be submitted to the Administrator upon request.
- g. Small units are not required to maintain records on startup, shutdown and malfunction.

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. Based on the distribution of facilities with affected boilers or process heaters, 87.4% of facilities are in the industrial sector while the remaining 12.6% of facilities are in the commercial sector.

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, no burden is assumed in year 1.

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. These site visits are assumed to be conducted by certified energy professionals.

Table 9.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 Gas Fuel Units

			·		· · · · · ·			1	<del> </del>	1				
Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Certified Energy Audit Cost per Occurrence	(C) Annual Tune-Up 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 X 0.1)	(J) Managemen t Hours per Year @ \$114.49 (H X .05)	(K) Total Labor Costs Per Year	(L) Total Non- Labor Capital Costs Per Year ((B+C+D)xExG)	(M) Total Number of Responses per Year (E X G)	Footnotes
1. Applications	na													
2. Surveys and Studies	na													
3. Reporting Requirements														
Read and Understand Rule														
Requirements	40	\$0	\$0	\$0	1	40	0	0	0	0	\$0	\$0	0	a
B. Required Activities														
Conduct Energy Audit														
a) Commerical	20	\$854	\$0	\$0	1	20	53	1,068	107	53	\$116,227	\$45,624	53	b, c, d
b) Industrial	20	\$18,292	\$0	\$0	1	20	371	7,412	741	371	\$806,207	\$6,778,576	371	b, c, d
2. Biennial Tune-Up	12	\$0	\$1,580	\$0	0.5	6	3,573	21,438	2,144	1,072	\$2,331,972	\$5,645,340	1,787	c, f
C. Create Information	na													
D. Gather Information	na													
E. Report Preparation														
Initial Notification that Source is														
Subject	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0	0	a
Notification of Compliance Status	8	\$0	\$0	\$0	1	8	0	0	0	0	\$0	\$0	0	С
Biennial Compliance Report	5	\$0	\$0	\$0	0.5	2.5	0	0	0	0	\$0	\$0	0	c, f
Reporting Subtotal								29,918	2,992	1,496	3,254,405	12,469,540	0	
Recordkeeping Requirements														
A. Read Instructions	Included in 3a													
B. Implement Activities	na													
C. Develop Record System	na													е
D. Record Information														
Records of All Notifications and Compliance Reports Submitted	2	\$0	\$0	\$0	0.5	1	0	0	0	0	\$0	\$0	0	С
Records of Startup, Shutdown,     Malfunction	15	\$0	\$0	\$0	1	15	0	0	0	0	\$0	\$0	0	c, g
3) Biennial Tune-Up Records	0.5	\$0	\$0	\$0	0.5	0.25	0	0	0	0	\$0	\$0	0	c, f
E. Personnel Training	na													
F. Time for Audits	na													
Recordkeeping Subtotal								0	0	0	\$0	\$0	0	
Totals								29,918	2,992	1,496	\$3,254,405	\$12,469,540	0	

a Number of respondents based on number of existing gas liquid fuel boilers which includes natural, petroleum, and other gas units less than 10 mmBtu/hr (assumption of 8 units per facility).

- e Assumes facility must already maintain records on boiler insurance and/or maintenance schedule. No new record system would be required.
- f. Since a tune-up is required biennially, every two years, the compliance reports for small units are also due every two years. Records of the tune-ups will be submitted to the Administrator upon request.
- g. Small units are not required to maintain records on startup, shutdown and malfunction.

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. Based on the distribution of facilities with affected boilers or process heaters, 87.4% of facilities are in the industrial sector while the remaining 12.6% of facilities are in the commercial sector.

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. These site visits are assumed to be conducted by certified energy professionals.

# Table 9.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 Gas Fuel Units

	1					1		1					T .		
Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Emission Test Contractor Hours Per Occurrence	(B) Certified Energy Audit Cost per Occurrence	(C) Annual Tune-Up 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 X 0.1)	(J) Managemen t Hours per Year @ \$114.49 (H X .05)	(K) Total Labor Costs Per Year	(L) Total Non- Labor Capital Costs Per Year ((B+C+D)xEx G)	(M) Total Number of Responses per Year (E X G)	Footnotes
Applications	na														
Surveys and Studies	na														
Reporting Requirements															
A. Read and Understand Rule Requirements	40		\$0	\$0	\$0	1	40	0	0	0	0	\$0	\$0		a
B. Required Activities															
Conduct Energy Audit															
a) Commerical	20		\$854	\$0	\$0	1	20	52	1,048	105	52	\$114,051	\$44,770		b, c, d
b) Industrial	20		\$18,292	\$0	\$0	1	20	371	7,412	741	371	\$806,207	\$6,778,576		b, c, d
2. Biennial Tune-Up	12		\$0	\$1,580	\$0	0.5	6	3,572	21,432	2,143	1,072	\$2,331,319	\$5,643,760		c, f
C. Create Information	na														
D. Gather Information	na														
E. Report Preparation															
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	848	6,784	678	339	\$737,947	\$0	848	С
3) Biennial Compliance Report	5		\$0	\$0	\$0	0.5	2.5	848	2,120	212	106	\$230,608	\$0	424	c, f
Reporting Subtotal									38,796	3,880	1,940	4,220,132	12,467,106	1,272	
Recordkeeping Requirements															
A. Read Instructions	Included in 3a														
B. Implement Activities	na														
C. Develop Record System	na														е
D. Record Information															
Records of All Notifications and Compliance Reports Submitted	2	0	\$0	\$0	\$0	0.5	1	7,145	7,145	715	357	\$777,215	\$0		С
Records of Startup, Shutdown,     Malfunction	15	0	\$0	\$0	\$0	1	15	0	0	0	0	\$0	\$0		c, g
3) Biennial Tune-Up Records	0.5		\$0	\$0	\$0	0.5	0.25	7,145	1,786	179	89	\$194,304	\$0		c, f
E. Personnel Training	na														
F. Time for Audits	na														
Recordkeeping Subtotal									8931.25	893.125	446.5625	\$971,519	\$0		
Totals									47,727	4,773	2,386	\$5,191,651	\$12,467,106	1,272	

a Number of respondents based on number of existing gas liquid fuel boilers which includes natural, petroleum, and other gas units less than 10 mmBtu/hr (assumption of 8 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. Based on the distribution of facilities with affected boilers or process heaters, 87.4% of facilities are in the industrial sector while the remaining 12.6% of facilities are in the commercial sector.

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. 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. Since a tune-up is required biennially, every two years, the compliance reports for small units are also due every two years. Records of the tune-ups will be submitted to the Administrator upon request.

g. Small units are not required to maintain records on startup, shutdown and malfunction.

Table 10.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, New Small Solid Fuel Units

	for Hazardo	ous Air Polluta	ants (NESHAP	) for Indust	rial, Commerci	ial, and Instit	utional Boilers	- Year 1, N	lew Small S	Solid Fuel L	Jnits			
	(A) Respondent	(D) Contified	(C) Stack	(D) Other	(E) Number of	(F) Technical		(H) Technical	(I) Clerical	(J) Manageme		(I) Total Non		s
	Hours per Occurrence	(B) Certified Energy Audit	Testing and Fuel Analysis	(D) Other Non-Labor	(E) Number of Occurrences	Hours per Respondent	(G) Number of	Hours per Year @	Hours per Year @	nt Hours per Year @	(V) Total Labor	(L) Total Non- Labor Capital	(M) Total Number	tnote
Burden Item	(Technical hours)	Cost per Occurrence	Cost Per Occurrence	Costs Per Occurrence	Per Respondent Per Year\	Per Year (A X E)	Respondents Per Year	\$98.20 (F X G)	\$48.53 (H X 0.1)	\$114.49 (H X .05)	(K) Total Labor Costs Per Year	Costs Per Year [(B+C+D)xExG]	of Responses per Year (E X G)	Footn
Applications     Surveys and Studies	na na													
3. Reporting Requirements	IId													
Read and Understand Rule Requirements	40	\$0	\$0	\$0	1	40	0	0	0	0	\$0	\$0		a
B. Required Activities     1. Initial Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12	0	0	0	0	\$0	\$0		a
Initial Stack Test and Report (for Hg)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0		а
Initial Stack Test and Report (for HCl)     Initial Stack Test and Report (for CO)	12 12	\$0 \$0	\$8,000 \$7,000	\$0 \$0	1	12 12	0	0	0	0	\$0 \$0	\$0 \$0		a
Initial Stack Test and Report (for D/F)      Initial Stack Test and Report (for D/F)	12	\$0	\$16,000	\$0	1	12	0	0	0	0	\$0	\$0		a
Annual Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12	0	0	0	0	\$0	\$0		a
7. Annual Stack Test and Report (for Hg)     8. Annual Stack Test and Report (for HCl)	12 12	\$0 \$0	\$8,000 \$8,000	\$0 \$0	1	12 12	0	0	0	0	\$0 \$0	\$0 \$0		a
Annual Stack Test and Report (for CO)	12	\$0	\$7,000	\$0	1	12	0	0	0	0	\$0	\$0		a
10. Annual Stack Test and Report (for D/F)	12	\$0	\$16,000	\$0	1	12	0	0	0	0	\$0	\$0		a
Initial Fuel Analysis for Mercury and HCL Content     Monthly Fuel Analysis for Mercury and HCL Content	5 5	\$0 \$0	\$400 \$400	\$0 \$0	1 12	5 60	0	0	0	0	\$0 \$0	\$0 \$0		a
13. Continuous Parameter Monitoring														
Establish Site-specific monitoring plan (all) Opacity	40	\$0		\$0	1	40	0	0	0	0	\$0	\$0		a
a) initial	10	\$0	\$0	\$43,100	1	10	0	0	0	0	\$0	\$0		a
b) annual	10	\$0	\$0	\$14,700	1	10	0	0	0	0	\$0	\$0		a
PM (only sources greater than 250 mmBtu/hr) a) initial	10	\$0	\$0	\$158,000	1	10	0	0	0	0	\$0	\$0		a
b) annual	10	\$0	\$0	\$56,100	1	10	0	0	0	0	\$0	\$0		a
CO (only sources greater than 100 mmBtu/hr) a) initial	10	\$0	\$0	\$160,900	1	10	0	0	0	0	\$0	\$0		
b) annual	10	\$0 \$0	\$0	\$53,600	1	10	0	0	0	0	\$0	\$0		a
Scrubber System Monitoring and Operation (for units with wet scrubbers)														
a) initial b) annual	10 10	\$0 \$0	\$0 \$0	\$24,300 \$5,600	1	10 10	0	0	0	0	\$0 \$0	\$0 \$0		a
Bag Leak Detection System Operation (all sources that have fabric filters)														
a) initial b) annual	10 10	\$0 \$0	\$0 \$0	\$25,500 \$9,700	1	10 10	0	0	0	0	\$0 \$0	\$0 \$0		a
Carbon Injection Monitoring System	10	ΦU	ΦU	\$9,700	1	10	U	U	U	U	ΦU	ΦU		a
(all sources that use ACI to control Hg)	10	**	**	****		10						+0		
a) initial b) annual	10 10	\$0 \$0	\$0 \$0	\$115,000 \$9,700	1 1	10 10	0	0	0	0	\$0 \$0	\$0 \$0		a
C. Create Information	na									-				
D. Gather Information 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	a
3) Initial Report on results of Energy Audit     4) Semi-annual Compliance Report	5 20	\$0 \$0	\$0 \$0	\$0 \$0	2	5 40	0	0	0	0	\$0 \$0	\$0 \$0	0	a
Reporting Subtotal		<b>\$</b> 0	40	40		-		0	0	0	\$0	\$0	0	
Recordkeeping Requirements     Record Instructions	Included in 2													
A. Read Instructions     B. Implement Activities	Included in 3a na													-
C. Develop Record System	na													a
D. Record Information     1) Records of Operating Parameter Values	20	\$0	\$0	\$0	1	20	0	0	0	0	\$0	\$0		a
Records of Operating Parameter Values     Records of Startup, Shutdown, Malfunction	15	\$0 \$0	\$0	\$0	1	15	0	0	0	0	\$0	\$0		a
Records of Stack Tests	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0		а
Records of Monitoring Device Calibrations     Records of All Compliance Reports Submitted	2	\$0 \$0	\$0 \$0	\$0 \$0	1 2	2	0	0	0	0	\$0 \$0	\$0 \$0		a
6) Records of Monthly Fuel Use	0.5	\$0	\$0	\$0	12	6	0	0	0	0	\$0	\$0		a
E. Personnel Training	na													
F. Time for Audits Recordkeeping Subtotal	na							0	0	0	\$0	\$0		
Totals								0	0	0	\$0	\$0	0	$\vdash$
· cturs		1	1	l	1	1					1			Щ_

a There are no new small solid units expected to be constructed/reconstructed over the next 3 years.

Table 10.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, New Small Solid Fuel Units

	for Hazardo	ous Air Polluta	ants (NESHAP	) for indust	rial, Commerc	ial, and Insti	tutional Boilers	s - Year 2, r	New Small	Solid Fuel C	Jnits			
	(A) Respondent		(C) Stack			(F) Technical		(H) Technical	(I) Clerical	(J) Manageme				
	Hours per Occurrence (Technical	(B) Certified Energy Audit Cost per	Testing and Fuel Analysis Cost Per	(D) Other Non-Labor Costs Per	(E) Number of Occurrences Per Respondent	Hours per Respondent	(G) Number of Respondents	Hours per Year @ \$98.20 (F X	Hours per Year @ \$48.53 (H	nt Hours per Year @ \$114.49 (H	(K) Total Labor	(L) Total Non- Labor Capital Costs Per Year	(M) Total Number of Responses per	
Burden Item	hours)	Occurrence	Occurrence	Occurrence	Per Year\	(A X E)	Per Year	G) (1 X	X 0.1)	X .05)	Costs Per Year	[(B+C+D)xExG]	Year (E X G)	.   5
1. Applications	na													
Surveys and Studies     Reporting Requirements	na													-
Read and Understand Rule Requirements	40	\$0	\$0	\$0	1	40	0	0	0	0	\$0	\$0		a
B. Required Activities														
Initial Stack Test and Report (for PM)     Initial Stack Test and Report (for Hg)	12 12	\$0 \$0	\$5,000 \$8,000	\$0 \$0	1	12 12	0	0	0	0	\$0 \$0	\$0 \$0		a
Initial Stack Test and Report (for Hg)     Initial Stack Test and Report (for HCl)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0		a
4. Initial Stack Test and Report (for CO)	12	\$0	\$7,000	\$0	1	12	0	0	0	0	\$0	\$0		a
Initial Stack Test and Report (for D/F)	12	\$0	\$16,000	\$0	1	12	0	0	0	0	\$0	\$0		a
Annual Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12	0	0	0	0	\$0	\$0		a
Annual Stack Test and Report (for Hg)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0		a
Annual Stack Test and Report (for HCI)     Annual Stack Test and Report (for CO)	12 12	\$0 \$0	\$8,000 \$7,000	\$0 \$0	1	12 12	0	0	0	0	\$0 \$0	\$0 \$0		a
9. Annual Stack Test and Report (for CO)  10. Annual Stack Test and Report (for D/F)	12	\$0 \$0	\$16,000	\$0	1	12	0	0	0	0	\$0	\$0	-	a
11. Initial Fuel Analysis for Mercury and HCL Content	5	\$0	\$400	\$0	1	5	0	0	0	0	\$0	\$0		a
12. Monthly Fuel Analysis for Mercury and HCL Content	5	\$0	\$400	\$0	12	60	0	0	0	0	\$0	\$0		a
13. Continuous Parameter Monitoring														
Establish Site-specific monitoring plan (all)	40	\$0		\$0	1	40	0	0	0	0	\$0	\$0		a
Opacity a) initial	10	\$0	\$0	\$43,100	1	10	0	0	0	0	\$0	\$0		a
b) annual	10	\$0	\$0	\$14,700	1	10	0	0	0	0	\$0	\$0		a
PM (only sources greater than 250 mmBtu/hr)				. ,			-							_
a) initial	10	\$0	\$0	\$158,000	1	10	0	0	0	0	\$0	\$0		a
b) annual	10	\$0	\$0	\$56,100	1	10	0	0	0	0	\$0	\$0		a
CO (only sources greater than 100 mmBtu/hr) a) initial	10	\$0	\$0	\$160,900	1	10	0	0	0	0	\$0	\$0		a
b) annual	10	\$0 \$0	\$0	\$53,600	1	10	0	0	0	0	\$0	\$0		a
Scrubber System Monitoring and Operation (for units with wet scrubbers)	10	<b>4</b> 0		Ψ33,000	-	10	Ŭ.				40	Ψ0		
a) initial	10	\$0	\$0	\$24,300	1	10	0	0	0	0	\$0	\$0		a
b) annual  Bag Leak Detection System Operation	10	\$0	\$0	\$5,600	1	10	0	0	0	0	\$0	\$0		a
(all sources that have fabric filters)														
a) initial	10	\$0	\$0	\$25,500	1	10	0	0	0	0	\$0	\$0		a
b) annual	10	\$0	\$0	\$9,700	1	10	0	0	0	0	\$0	\$0		a
Carbon Injection Monitoring System (all sources that use ACI to control Hg) a) initial	10	\$0	\$0	\$115,000	1	10	0	0	0	0	\$0	\$0		a
a) Initial b) annual	10	\$0 \$0	\$0 \$0	\$9,700	1	10	0	0	0	0	\$0 \$0	\$0	-	a
C. Create Information	na	40	40	40,.00	-	100	<u> </u>	<u> </u>	<u> </u>	-	+5	+		+ "
D. Gather Information	na													+
E. Report Preparation														
Initial Notification that Source is Subject	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0	0	a
Notification of Compliance Status     Initial Report on results of Energy Audit	8	\$0 \$0	\$0 \$0	\$0 \$0	1	8	0	0	0	0	\$0 \$0	\$0 \$0	0	a
Semi-annual Compliance Report	20	\$0 \$0	\$0 \$0	\$0 \$0	2	40	0	0	0	0	\$0 \$0	\$0	0	a
Reporting Subtotal	20	Ψυ	Ψυ	Ψυ		40	"	0	0	0	\$0	\$0	0	a
Recordkeeping Requirements								-	<u> </u>	-			<u> </u>	+
A. Read Instructions	Included in 3a												1	
B. Implement Activities	na													
C. Develop Record System	na													a
D. Record Information  1) Records of Operating Parameter Values	20	\$0	\$0	\$0	1	20	0	0	0	0	\$0	\$0	-	a
Records of Operating Parameter Values     Records of Startup, Shutdown, Malfunction	20 15	\$0 \$0	\$0 \$0	\$0	1	15	0	0	0	0	\$0	\$0	-	a
Records of Starkby, Shakowii, Manufiction     Records of Stack Tests	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0		a
Records of Monitoring Device Calibrations	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0		a
5) Records of All Compliance Reports Submitted	2	\$0	\$0	\$0	2	4	0	0	0	0	\$0	\$0		a
	0.5	\$0	\$0	\$0	12	6	0	0	0	0	\$0	\$0		a
Records of Monthly Fuel Use														
E. Personnel Training	na													
								0	0	0	\$0	\$0		

 $a \ \ There \ are \ no \ new \ small \ solid \ units \ expected \ to \ be \ constructed/reconstructed \ over \ the \ next \ 3 \ years.$ 

Table 10.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, New Small Solid Fuel Units

2. Surveys and Studies   70		tor Hazardo	ous Air Polluta	ants (NESHAP	) for indust	rial, Commerci	iai, and insti	utional Boilers	- Year 3, N	iew Smail	Solia Fuel C	Inits			
Durish New   New   Durish New									(L)	(0)	(1)				
A Special Company   Comp	Burden Item	Hours per Occurrence (Technical	Ènergy Audit Cost per	Testing and Fuel Analysis Cost Per	Non-Labor Costs Per	Occurrences Per Respondent	Hours per Respondent Per Year	Respondents	Technical Hours per Year @ \$98.20 (F X	Hours per Year @ \$48.53 (H	Manageme nt Hours per Year @ \$114.49 (H	(K) Total Labor	Lábor Capital Costs Per Year	of Responses per	ootnotes
2. Surveys and Studies	1. Applications	,	Cocarronoc	Coduitorio	Cocarronoc	10110011	(//// _/	1011001	0)	7. 0.1)	7(.00)	Coole For Four	[(B·G·B)/AEXO]	100.(27.0)	
A Read and Understand Value Recognements	Surveys and Studies														
December Advision   1											_				
1 initial Stack Test and Report (No PhD) 12 50 50 500 50 1 12 12 0 0 0 0 0 0 0 50 50 50 8 8 500 50 8 8 500 50 1 1 12 12 0 0 0 0 0 0 0 0 50 50 50 8 8 500 50 8 8 500 50 1 1 12 12 0 0 0 0 0 0 0 0 0 1 10 10 10 10 10 10 1		40	\$0	\$0	\$0	1	40	0	0	0	0	\$0	\$0		a
2. Filing Stack Test and Regard (for Fig.)  3. Filing Stack Test and Regard (for Fig.)  4. Filing Stack Test and Regard (for Fig.)  4. Filing Stack Test and Regard (for Fig.)  4. Filing Stack Test and Regard (for Fig.)  5. Filing Stack Test a		12	\$0	\$5,000	\$0	1	12	0	0	0	0	\$0	\$0		а
4. In wisel State Test and Report (For CO)						1		_	_						
S. Friends Slack Test and Report (for MP)	Initial Stack Test and Report (for HCl)					1			0	0	0				
6. Amail Stack Test and Report (or PN) 12						_									
7. Arrius Stack Test and Report (Ser Fel) 12						*									
8. Armal Stack Test and Report (or KG) 12						*			_						
9. Armail State 1 feat and Property (or CO)						_			_						
1.1. Intial First Analysis for Mercury and PCL Contents 5						_									
12. Monthly Fuel Analysis for Medicury and HICL Confect 13. Confessions for Medicury and HICL Confest 13. Confessions for Medicury and HICL Confest 13. Confessions for Medicury and HICL Confest 14. Confessions for Medicury and HICL Confest 15. Confessions for Medicury and HICL Confest 16. Solid Selection for Medicury and HICL Confession for HICL Confession for Medicury and HICL Confession for						_									a
3.3 Confinuous Parameter Monitoring (a)   40   50   50   50   1   40   0   0   0   0   0   50   50   30   3															a
Establish Ste-specific monitoring plan (all)		5	\$0	\$400	\$0	12	60	0	0	0	0	\$0	\$0		a
A pintial   10   50   50   543,1700   1   10   0   0   0   0   30   35   35   0   a   b   b   b   b   b   b   b   b   b		40	\$0		\$0	1	40	0	0	0	0	\$0	\$0		a
10   20   20   20   20   20   20   20			40		40	-		-			Ŭ	40	40		<u> </u>
PM (only sources greater than \$50 mmBluth)	a) initial					1									
a jinidal 10 \$0 \$50 \$50 \$50 \$60 a a CC (only sources greater than 100 mmBluhr)		10	\$0	\$0	\$14,700	1	10	0	0	0	0	\$0	\$0		а
Diaminal   10   \$0   \$0   \$0   \$0   \$0   \$0   \$0		- 10			******		- 10								
CO (only sources greater than 100 mmBluthy) a) initial 1						1		_	_						
a) initial b) annual 10		10	Ψ0	ΨΟ	Ψ30,100	-	10	0	0	0	0	ΨΟ	ΨΟ		- a
Strubber System Maritoring and Operation (for units with wet scrubber)   Society   S		10	\$0	\$0	\$160,900	1	10	0	0	0	0	\$0	\$0		а
(for units with vet scrubbers) a) initial a) 10 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	b) annual	10	\$0	\$0	\$53,600	1	10	0	0	0	0	\$0	\$0		
Bay Leak Detection System Operation   Bay Leak Detection System Operation   Carbon Indication Have fabric filters)   Bay Leak Detection System Operation   Carbon Indication Have fabric filters)   Carbon Indication Have fabric filters   C	(for units with wet scrubbers)				****		10								
Bag Leak Detection System Operation (ell sources that have brici fiters)  a) initial  10 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0						_			_		-				
Description	Bag Leak Detection System Operation				**,***										
Carbon Injection Monitoring System (all sources that use ACI to control Hg)  a) initial  10 \$0 \$0 \$15,0000 1 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						1									а
(all sources that use ACI to control Hg)  a) initial  10  \$0  \$0  \$150  \$15000  \$1  \$10  \$0  \$0  \$0  \$0  \$0  \$0  \$0		10	\$0	\$0	\$9,700	1	10	0	0	0	0	\$0	\$0		a
Digrammed   10   \$0   \$0   \$0   \$0   \$0   \$0   \$0	(all sources that use ACI to control Hg)	10	\$0	\$0	¢11E 000	1	10	0	0	0	0	0.2	<b>\$0</b>		
C. Create Information						_			_						a
E. Report Preparation  1) Initial Notification that Source is Subject  2 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	C. Create Information				,	_	<u> </u>	*		<u> </u>		1.5			Ť
1) Initial Notification that Source is Subject 2 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0		na													
2) Notification of Compliance Status 8 \$ \$0 \$0 \$0 \$1 8 0 0 0 0 0 50 \$0 \$0 0 a 3) Initial Report on results of Energy Audit 5 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0				40	-							-	40		
3) Initial Report on results of Energy Audit 5 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0						_	_		_	_	-				
4) Semi-annual Compliance Report 20 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0						_	_		_		-			_	
Reporting Subtotal						_	-				-	\$0			a
A. Read Instructions	Reporting Subtotal								0	0	0	\$0	\$0	0	
B. Implement Activities															
C. Develop Record System na															₩.
D. Record Information  1) Records of Operating Parameter Values 20 \$0 \$0 \$0 \$0 1 20 0 0 0 0 0 \$0 \$0 \$0 \$0 2 2 2 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0															а
1) Records of Operating Parameter Values 20 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0		TIG.					<del>                                     </del>								<u> </u>
2) Records of Startup, Shutdown, Malfunction 15 \$0 \$0 \$0 \$1 15 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0		20		\$0	\$0	1	20	0	0	0	0	\$0	\$0		а
4) Records of Monitoring Device Calibrations         2         \$0         \$0         \$1         2         0         0         0         0         \$0         \$0         \$0         a           5) Records of All Compliance Reports Submitted         2         \$0         \$0         \$0         0         0         0         0         \$0	Records of Startup, Shutdown, Malfunction					1		-	0						а
5) Records of All Compliance Reports Submitted 2 \$0 \$0 \$0 2 4 0 0 0 0 \$0 \$0 \$0 a 6) Records of Monthly Fuel Use 0.5 \$0 \$0 \$0 \$0 \$0 \$0 a a E. Personnel Training na F. Time for Audits na Recordkeeping Subtotal						l									
6) Records of Monthly Fuel Use 0.5 \$0 \$0 \$0 12 6 0 0 0 0 \$0 \$0 \$0 a E. Personnel Training na	Records of Monitoring Device Calibrations					*	_		_		-				
E. Personnel Training         na           F. Time for Audits         na           Recordkeeping Subtotal         0         0         \$0         \$0	5) Records of An Compliance Reports Submitted  6) Records of Monthly Fuel Use					_		_	_		_				
F. Time for Audits na			ΨU	Ψυ	ΨU	12	- 0	J	J	-	J	ΨU	Ψ		- a
Recordkeeping Subtotal         0         0         0         \$0         \$0	F. Time for Audits														$\vdash$
Totals 0 0 0 0 \$0 \$0 0	Recordkeeping Subtotal								0	0	0	\$0	\$0		
	Totals								0	0	0	\$0	\$0	0	

 $a \ \ \text{There are no new small solid units expected to be constructed/reconstructed over the next 3 years.}$ 

Table 11.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, New Small Liquid Fuel Units

	TOF Hazardoi	us Air Pollutai	IIIS (NESHAP)	ioi iliuusii	iai, Commerci	ai, and instit	utional Boilers	- rear 1, N	ew Siliali	Liquiu Fuei	Ullits			
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 X 0.1)	(J) Manageme nt Hours per Year @ \$114.49 (H X .05)	(K) Total Labor Costs Per Year	(L) Total Non- Labor Capital Costs Per Year [(B+C+D)xExG]	(M) Total Number of Responses per Year (E X G)	Footnotes
Applications	na													
Surveys and Studies	na													
Reporting Requirements														
A. Read and Understand Rule Requirements     B. Required Activities	40	\$0	\$0	\$0	1	40	2	80	8	4	\$8,702	\$0		a
Initial Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12	2	24	2	1	\$2,611	\$10,000		а
Initial Stack Test and Report (for Hg)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0		а
Initial Stack Test and Report (for HCl)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0		a,c
Initial Stack Test and Report (for CO)	12	\$0	\$7,000	\$0	1	12	2	24	2	1	\$2,611	\$14,000		a,c
Initial Stack Test and Report (for D/F)	12	\$0	\$16,000	\$0	1	12	2	24	2	1	\$2,611	\$32,000		a,d
Annual Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12	0	0	0	0	\$0	\$0		a,d
7. Annual Stack Test and Report (for Hg)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0		a,d
8. Annual Stack Test and Report (for HCl)     9. Annual Stack Test and Report (for CO)	12 12	\$0 \$0	\$8,000 \$7,000	\$0 \$0	1	12 12	0	0	0	0	\$0 \$0	\$0 \$0		a,d
Annual Stack Test and Report (for CO)  10. Annual Stack Test and Report (for D/F)	12	\$0 \$0	\$16,000	\$0	1	12	0	0	0	0	\$0	\$0		a,d a,d
11. Initial Fuel Analysis for Mercury and HCL Content	5	\$0	\$400	\$0	1	5	2	10	1	1	\$1,088	\$800		
Monthly Fuel Analysis for Mercury and HCL Content	1 -	\$0	\$400	\$0	12	60	0	0	0	0	\$0	\$0		a,c a
13. Continuous Parameter Monitoring	,	ΨΟ	Ψ400	ΨΟ	12	00	0	0	- 0	-	ΨΟ	Ψ0		a a
Establish Site-specific monitoring plan (all)  Opacity	40	\$0		\$0	1	40	2	80	8	4	\$8,702	\$0		a
a) initial	10	\$0	\$0	\$43,100	1	10	0	0	0	0	\$0	\$0		-
b) annual	10	\$0	\$0	\$14,700	1	10	0	0	0	0	\$0	\$0		a
PM (only sources greater than 250 mmBtu/hr)	10	ΨΟ	Ψ0	\$14,700		10	0	0	- 0	0	ΨΟ	Ψ0		l a
a) initial	10	\$0	\$0	\$158,000	1	10	0	0	0	0	\$0	\$0		a
b) annual	10	\$0	\$0	\$56,100	1	10	0	0	0	0	\$0	\$0		a
CO (only sources greater than 100 mmBtu/hr)	100	40	+0	400,100	-	10	-					40		<u> </u>
a) initial	10	\$0	\$0	\$160,900	1	10	0	0	0	0	\$0	\$0		а
b) annual	10	\$0	\$0	\$53,600	1	10	0	0	0	0	\$0	\$0		
Scrubber System Monitoring and Operation (for units with wet scrubbers)														
a) initial	10	\$0	\$0	\$24,300	1	10	2	20	2	1	\$2,176	\$48,600		а
b) annual	10	\$0	\$0	\$5,600	1	10	2	20	2	1	\$2,176	\$11,200		а
Bag Leak Detection System Operation (all sources that have fabric filters)														
a) initial	10	\$0	\$0	\$25,500	1	10	2	20	2	1	\$2,176	\$51,000		а
b) annual	10	\$0	\$0	\$9,700	1	10	2	20	2	1	\$2,176	\$19,400		a
Carbon Injection Monitoring System (all sources that use ACI to control Hg)														
a) initial	10	\$0	\$0	\$115,000	1	10	0	0	0	0	\$0	\$0		а
b) annual	10	\$0	\$0	\$9,700	1	10	0	0	0	0	\$0	\$0		a
C. Create Information	na													
D. Gather Information	na													_
E. Report Preparation  1) Initial Natification that Source is Subject	2	\$0	\$0	\$0	1	-	2	1	0	0	\$435	\$0	-	<u> </u>
Initial Notification that Source is Subject     Notification of Compliance Status	8	\$0	\$0	\$0	1	8	2	16	2	1	\$1,740	\$0	2	a
Notification of Compliance Status     Initial Report on results of Energy Audit	5	\$0	\$0	\$0	1	5	0	10	0	0	\$1,740	\$0	0	a
Semi-annual Compliance Report	20	\$0	\$0	\$0	2	40	2	80	8	4	\$8,702	\$0	4	a
Reporting Subtotal	- 20	Ψ.	Ψ0	40		1 70		422	42	21	\$45,904	\$187,000	8	+ u
Recordkeeping Requirements											<b>\$10,00</b>	420.,000		+
A. Read Instructions	Included in 3a													_
B. Implement Activities	na													<b>†</b>
C. Develop Record System	na													b
D. Record Information														
Records of Operating Parameter Values	20	\$0	\$0	\$0	1	20	2	40	4	2	\$4,351	\$0		а
<ol><li>Records of Startup, Shutdown, Malfunction</li></ol>	15	\$0	\$0	\$0	1	15	2	30	3	2	\$3,263	\$0		a
Records of Stack Tests	2	\$0	\$0	\$0	1	2	2	4	0	0	\$435	\$0		а
Records of Monitoring Device Calibrations	2	\$0	\$0	\$0	1	2	2	4	0	0	\$435	\$0		a
5) Records of All Compliance Reports Submitted	2	\$0	\$0	\$0	2	4	2	8	1	0	\$870	\$0		a
6) Records of Monthly Fuel Use	0.5	\$0	\$0	\$0	12	6	2	12	1	1	\$1,305	\$0		a
E. Personnel Training	na													_
F. Time for Audits Recordkeeping Subtotal	na							98	10	5	\$10,660	\$0		_
1 -								98 <b>520</b>	52	26	\$10,660 \$56,564	\$187,000		-
Totals													8	

a The total number of new small liquid fuel boilers estimated in the first 3 years of this rule is 2. All burden for these units will be accounted for in year 1.

b Assumes facility must already maintain records on boiler insurance and/or maintenance schedule. No new record system would be required. c New small liquid units are expected to show compliance for Hg and HCl by performing fuel analysis

d In year 1, only initial burdens are realized. Annual burdens will not begin until year 2

Table 11.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. New Small Liquid Fuel Units

A Processor   Company		for Hazardo	ous Air Polluta	ints (NESHAP)	for Industr	ial, Commerci	al, and Instit	utional Boilers	- Year 2, N	ew Small L	iquid Fuel I	Units			
Type		Hours per		Testing and			Hours per	(C) Number of	Technical Hours per	Hours per	Manageme nt Hours			(AA) Total Numboo	otes
Type			Cost per						Year @ \$98.20 (F X	Year @ \$48.53 (H	per Year @ \$114.49 (H	(K) Total Labor	Costs Per Year	of Responses per	l g
Type	Burden Item													Year (E X G)	l ğ
3 Reprinting Requestments															
A. Peters and Customerated Sector (Expression 1997)   50   50   50   50   50   50   50   5		na													$\perp$
Section   Company   Comp		40	\$0	\$0	90	1	40	0	0	0	0	\$0	90		a
1. Inside Sissor Test and Report for Parks   12   30   85,000   80   1   12   12   10   0   0   0   10   1		40	Ψ0	Ψ0	Ψο	-	40	-		-		40	ΨΟ		+ "
3. Final Stack Test and Report (Far PCC)   12   50   48 (0.00   50   1   12   0   0   0   0   50   50   6   1   1   1   1   1   1   1   1   1	Initial Stack Test and Report (for PM)									_	-				
4. House Stack Feet and Report (Nr. CO)											-				
S. Fried Stack Feet and Report (For IPP)										_					
6. Annual Stack Test and Report (or Pel)   12   30   55,500   30   1   12   2   24   2   1   \$2,611   \$350,000   2   1   10   10   10   10   10   1															
7. Arrand Stack Test and Report (per right)   12   10   84,000   10   1   12   0   0   0   0   0   16   18   10   12   10   10   10   10   10   10															
9. Armad Stack Test and Rejord (For CO)   12   50   87,000   30   1   12   2   24   2   1   85,011   515,000   8     10. Armad Stack Test and Rejord (For CO)   12   50   515,000   30   1   12   2   24   2   1   85,011   515,000   8     11. Armad Stack Test and Rejord (For CO)   12   50   515,000   30   1   12   2   2   4   2   1   85,011   515,000   8     11. Armad Stack Test and Rejord (For CO)   12   10   10   10   10   10   10   10	7. Annual Stack Test and Report (for Hg)	12	\$0	\$8,000	\$0	1	12	0	0	0	-	\$0	\$0		a
10. Armial Stack Feel and Report (for DPF)   12   50   \$15,000   50   1   12   2   24   2   1   \$5,011   \$35,000   6   6   1   1   1   1   1   1   1   1															
11   1   1   1   1   1   1   1   1											_				
12. Mortify from Arrivary and Microsopy an											_				
12   Continuous Parameter Monitoring (a)   40   80   80   1   40   0   0   0   0   0   50   80   80   8															
Copacity   10   80   80   843,100   1   10   0   0   0   0   30   30			40	4.00	40				120			<b>\$10,000</b>	40,000		+-
a) misid		40	\$0		\$0	1	40	0	0	0	0	\$0	\$0		a
D) armwall   10   S0   S0   S14,700   1   10   0   0   0   S0   S0   S0															
PM (orly sources greater than 250 mm8tuhry)						_		-			_				
a) minist		10	\$0	\$0	\$14,700	1	10	0	0	0	0	\$0	\$0		a
Dianual   10   \$0   \$0   \$0   \$0   \$0   \$0   \$0		10	\$0	\$0	\$158,000	1	10	0	0	0	0	\$0	\$0		a
Second part						1					0				
Scrubber System Montoring and Operation (for units with wet scrubbers)   Scrubber System Montoring and Operation (for units with wet scrubbers)   Scrubber System Montoring and Operation (for units with wet scrubbers)   Scrubber System Montoring and Operation (in Sources that we scrubbers)   Scrubber System Operation (in Sources that we scrubber System Operation Operation (in Sources that we scrubber System Operation Op	CO (only sources greater than 100 mmBtu/hr)														$\vdash$
Scrubber System Monitoring and Operation (for units with west exclusions with west exclusio						_									a
(for units with wet sorubbers)		10	\$0	\$0	\$53,600	1	10	0	0	0	0	\$0	\$0		$\perp$
Digramual   10   \$0   \$0   \$5,600   1   10   2   20   2   1   \$2,176   \$11,200     a   Bag Leak Detection System Operation (all sources that have fabric filters)	(for units with wet scrubbers)	10	<b>#</b> 0	Ф0	#24 200	1	10				0	<b>#</b> 0	<b>#</b> 0		
Bag Leak Detection System Operation (all sources that have abort filters)   a initial   10   50   50   50   55,500   1   10   0   0   0   0   0   50   5								-			_				
(all sources that have fabric filters) a) Initial 10 \$0 \$0 \$0 \$25,500 \$1 \$10 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0		10	Ψ0	Ψ0	Ψ5,000	_	10	-	20		-	Ψ2,170	Ψ11,200		+ "
Diannual   10   \$0   \$0   \$0   \$0   \$0   \$0   \$0	(all sources that have fabric filters)														
Carbon Injection Monitoring System (all sources that us ACI to control Hg)						1		0		0	0				a
(all sources that use ACI to control Hg)  a) nitial  10  SO  SO  \$115,000  1  10  O  O  O  O  SO  SO  SO  A  B) Annual  C. Create information  E. Report Preparation  1) Initial Notification of Compliance Status  8  SO  SO  SO  SO  SO  SO  SO  SO  A  Compliance Report  Solution of Compliance Report  SO  SO  SO  SO  SO  SO  O  SO  SO  O		10	\$0	\$0	\$9,700	1	10	2	20	2	1	\$2,176	\$19,400		a
Dianual   10   50   \$0   \$0   \$0   \$0   \$0   \$0   \$	(all sources that use ACI to control Hg)							_							
C. Create Information   na						-		"	1 "						
D. Gather Information   E. Report Preparation   E. Report Preparation   D. Initial Notification that Source is Subject   2   \$0   \$0   \$0   \$0   \$0   \$0   \$0			<b>\$</b> U	\$0	\$9,700	1	10	0	0	U	U	20	<b>\$</b> U		l a
E. Report Preparation 1) Initial Notification that Source is Subject 2 \$0 \$0 \$0 \$0 1 2 0 0 0 0 50 \$0 \$0 0 a 2) Notification of Compliance Status 8 \$0 \$0 \$0 \$0 1 8 0 0 0 0 0 \$0 \$0 \$0 0 a 3) Initial Report on results of Energy Audit 5 \$0 \$0 \$0 \$0 1 8 0 0 0 0 0 \$0 \$0 \$0 0 a 4) Semi-annual Compliance Report 20 \$0 \$0 \$0 \$0 \$0 \$0 0 0 0 \$0 \$0 \$0 0 a 4) Semi-annual Compliance Report 20 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 a 4 Reporting Subtotal 4 Recordiseping Requirements A. Read Instructions Included in 3a B. Implement Activities na D. Record Information 1) Records of Operating Parameter Values 20 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0															+
2) Notification of Compilance Status 8 \$0 \$0 \$0 \$1 8 8 0 0 0 0 0 \$0 \$0 \$0 \$0 0 a 3 3 initial Report on results of Energy Audit 5 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	E. Report Preparation														
3) Initial Report on results of Energy Audit 5 \$ \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	Initial Notification that Source is Subject	_				-	2	"	1 "		Ü				
4) Semi-annual Compliance Report 20 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0		-				_	-	-	_	_	_			ı •	
Reporting Subtotal						_		-		_	_				
A. Read Instructions		20	40	Ψ0	40		40			_					+ 4
B. Implement Activities na na												,	,		+
C. Develop Record System  D. Record Information  1) Records of Operating Parameter Values  20 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	A. Read Instructions														
D. Record Information															Ĭ
1) Records of Operating Parameter Values 20 \$0 \$0 \$0 \$0 \$0 \$1 20 2 40 4 2 \$4,351 \$0 a 2 2 Records of Startup, Shutdown, Malfunction 15 \$0 \$0 \$0 \$0 1 15 2 30 3 2 \$3,263 \$0 a 3 3 2 \$3,263 \$0 a 3 3 Records of Stack Tests 2 \$0 \$0 \$0 \$0 \$1 2 2 2 4 0 0 0 \$435 \$0 a 4 4 Records of Monitoring Device Calibrations 2 \$0 \$0 \$0 \$0 \$1 2 2 2 4 0 0 0 \$435 \$0 a 4 4 Records of Monitoring Device Calibrations 2 \$0 \$0 \$0 \$0 \$0 \$1 2 2 2 4 0 0 0 \$435 \$0 a 5 0 a 5 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$		na													b
2) Records of Startup, Shutdown, Malfunction 15 \$0 \$0 \$0 \$1 15 2 30 3 2 \$3,263 \$0 a 3 3 Pecords of Stack Tests 2 \$0 \$0 \$0 \$0 1 2 2 2 4 0 0 0 \$435 \$0 a 4 Pecords of Monitoring Device Calibrations 2 \$0 \$0 \$0 \$0 1 2 2 2 4 0 0 0 \$435 \$0 a 5 Pecords of All Compliance Reports Submitted 2 \$0 \$0 \$0 \$0 \$2 4 2 8 1 0 \$870 \$0 a 5 Personnel Training na Personnel Training na Pecords of Audits Na Personnel Training Na Pecords of Monitoring Device Calibrations 2 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0		20	\$0	\$0	\$n	1	20	2	40	1	2	\$4.351	\$0		- a
3) Records of Stack Tests 2 \$0 \$0 \$0 \$1 2 2 4 0 0 0 \$435 \$0 a 4 4 Records of Monitoring Device Calibrations 2 \$0 \$0 \$0 \$0 1 2 2 4 0 0 0 \$435 \$0 a 5 5 Records of Monitoring Device Reports Submitted 2 \$0 \$0 \$0 \$0 \$0 2 4 2 8 1 0 \$870 \$0 a 6 Records of Monthly Fuel Use 0.5 \$0 \$0 \$0 \$0 \$12 6 2 12 1 1 \$1.305 \$0 a a E. Personnel Training na F. Time for Audits na Peccordkeeping Subtotal															
4) Records of Monitoring Device Calibrations       2       \$0       \$0       \$0       \$1       2       2       4       0       0       \$435       \$0       a         5) Records of All Compliance Reports Submitted       2       \$0       \$0       \$0       2       4       2       8       1       0       \$870       \$0       a         6) Records of Monthly Fuel Use       0.5       \$0       \$0       \$0       2       4       2       8       1       0       \$870       \$0       a         E. Personnel Training       na       1       \$1,305       \$0       a         F. Time for Audits       na       8       98       10       5       \$10,660       \$0						_									
6) Records of Monthly Fuel Use 0.5 \$0 \$0 \$0 12 6 2 12 1 1 \$1,305 \$0 a E. Personnel Training na F. Time for Audits na Recordkeeping Subtotal 98 10 5 \$10,660 \$0	Records of Monitoring Device Calibrations	2	\$0	\$0	\$0	1	2	2	4	0	0	\$435	\$0		a
E. Personnel Training         na           F. Time for Audits         na           Recordkeeping Subtotal         98         10         5         \$10,660         \$0															
F. Time for Audits         na         98         10         5         \$10,660         \$0			\$0	\$0	\$0	12	6	2	12	1	1	\$1,305	\$0		a
Recordkeeping Subtotal         98         10         5         \$10,660         \$0															+
		l lia							98	10	5	\$10.660	\$0		+-
	Totals								410	41	21	\$44,599	\$96,200	4	+

a The total number of new small liquid fuel boilers estimated in the first 5 years of this rule is 2. The burden for these units was accounted for in year 1. Year 2 and 3 will not have additional burden, but annual burden for these two units will occur in years 2 and 3. b Assumes facility must already maintain records on boiler insurance and/or maintenance schedule. No new record system would be required.

Table 11.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. New Small Liquid Fuel Units

	for Hazardo	ous Air Polluta	ints (NESHAP)	for Industr	ial, Commerci	al, and Instit	utional Boilers	- Year 3, N	ew Small L	iquid Fuel (	Jnits			
	(A) Respondent Hours per Occurrence (Technical	(B) Certified Energy Audit Cost per	(C) Stack Testing and Fuel Analysis Cost Per	(D) Other Non-Labor Costs Per	(E) Number of Occurrences Per Respondent	(F) Technical Hours per Respondent Per Year	(G) Number of Respondents	(H) Technical Hours per Year @ \$98.20 (F X	(I) Clerical Hours per Year @ \$48.53 (H	(J) Manageme nt Hours per Year @ \$114.49 (H	(K) Total Labor	(L) Total Non- Labor Capital Costs Per Year	(M) Total Number of Responses per	Footnotes
Burden Item	hours)	Occurrence	Occurrence	Occurrence	Per Year\	(A X E)	Per Year	G)	X 0.1)	X .05)	Costs Per Year	[(B+C+D)xExG]	Year (E X G)	8
1. Applications	na	Coddirence	Coddirence	Coddirence	1 or rount	(//// _)	1 01 1 041		7(0.1)	7(100)	Coole i Ci i Cui	[(B·O·B)XEXO]	1001 (27.0)	
2. Surveys and Studies	na													
Reporting Requirements														
Read and Understand Rule Requirements	40	\$0	\$0	\$0	1	40	0	0	0	0	\$0	\$0		a
B. Required Activities     1. Initial Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12	0	0	0	0	\$0	\$0		
Initial Stack Test and Report (for Hg)  2. Initial Stack Test and Report (for Hg)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0		a
Initial Stack Test and Report (for HCl)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0		a
Initial Stack Test and Report (for CO)	12	\$0	\$7,000	\$0	1	12	0	0	0	0	\$0	\$0		a
<ol><li>Initial Stack Test and Report (for D/F)</li></ol>	12	\$0	\$16,000	\$0	1	12	0	0	0	0	\$0	\$0		а
Annual Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12	2	24	2	1	\$2,611	\$10,000		a
7. Annual Stack Test and Report (for Hg)	12	\$0 \$0	\$8,000 \$8,000	\$0 \$0	1	12 12	0	0	0	0	\$0 \$0	\$0 \$0		a
Annual Stack Test and Report (for HCl)     Annual Stack Test and Report (for CO)	12 12	\$0 \$0	\$8,000	\$0 \$0	1	12	0 2	0 24	2	0	\$0 \$2,611	\$0 \$14,000	+	a
10. Annual Stack Test and Report (for D/F)	12	\$0	\$16,000	\$0	1	12	2	24	2	1	\$2,611	\$32,000		a
11. Initial Fuel Analysis for Mercury and HCL Content	5	\$0	\$400	\$0	1	5	0	0	0	0	\$0	\$0		a
12. Monthly Fuel Analysis for Mercury and HCL Content	5	\$0	\$400	\$0	12	60	2	120	12	6	\$13,053	\$9,600		a
13. Continuous Parameter Monitoring														
Establish Site-specific monitoring plan (all)	40	\$0		\$0	1	40	0	0	0	0	\$0	\$0		a
Opacity a) initial	10	\$0	\$0	\$43,100	1	10	0	0	0	0	\$0	\$0		a
b) annual	10	\$0	\$0	\$14,700	1	10	0	0	0	0	\$0	\$0		a
PM (only sources greater than 250 mmBtu/hr)		7.7		72.1,177	_		-							-
a) initial	10	\$0	\$0	\$158,000	1	10	0	0	0	0	\$0	\$0		a
b) annual	10	\$0	\$0	\$56,100	1	10	0	0	0	0	\$0	\$0		a
CO (only sources greater than 100 mmBtu/hr)	40	\$0	40	#400 000		40						\$0		
a) initial b) annual	10 10	\$0 \$0	\$0 \$0	\$160,900 \$53,600	1	10 10	0	0	0	0	\$0 \$0	\$0		a
Scrubber System Monitoring and Operation (for units with wet scrubbers)	10	ΨΟ	Ψ0	Ψ33,000	1	10	Ů,	0	0	0	ΨΟ	Ψ0		
a) initial	10	\$0	\$0	\$24,300	1	10	0	0	0	0	\$0	\$0		a
b) annual	10	\$0	\$0	\$5,600	1	10	2	20	2	1	\$2,176	\$11,200		a
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		a
b) annual	10	\$0	\$0	\$9,700	1	10	2	20	2	1	\$2,176	\$19,400		a
Carbon Injection Monitoring System (all sources that use ACI to control Hg)					1			20						u
a) initial	10	\$0	\$0	\$115,000	1	10	0	0	0	0	\$0	\$0		a
b) annual	10	\$0	\$0	\$9,700	1	10	0	0	0	0	\$0	\$0		a
C. Create Information D. Gather Information	na na												1	$\vdash$
E. Report Preparation	i ia												-	$\vdash$
Initial Notification that Source is Subject	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0	0	a
Notification of Compliance Status	8	\$0	\$0	\$0	1	8	0	0	0	0	\$0	\$0	0	a
Initial Report on results of Energy Audit	5	\$0	\$0	\$0	1	5	0	0	0	0	\$0	\$0	0	a
Semi-annual Compliance Report     Reporting Subtotal	20	\$0	\$0	\$0	2	40	2	80 312	8 31	4 16	\$8,702 \$33,939	\$0 \$96,200	4	a
4. Recordkeeping Requirements	-					-		312	31	10	\$33,939	\$90,200	4	$\vdash$
A. Read Instructions	Included in 3a												+	$\vdash$
B. Implement Activities	na													$\vdash$
C. Develop Record System	na													b
D. Record Information														
Records of Operating Parameter Values     Records of Status, Shutdown Malfunction	20 15	\$0 \$0	\$0 \$0	\$0 \$0	1	20	2	40 30	4	2	\$4,351 \$3,263	\$0 \$0	-	a
Records of Startup, Shutdown, Malfunction     Records of Stack Tests	2	\$0 \$0	\$0 \$0	\$0 \$0	1	15 2	2	30	3	0	\$3,263 \$435	\$0 \$0		a
Records of Stack Tests     Records of Monitoring Device Calibrations	2 2	\$0 \$0	\$0	\$0 \$0	1	2	2	4	0	0	\$435 \$435	\$0 \$0		a
5) Records of All Compliance Reports Submitted	2	\$0	\$0	\$0	2	4	2	8	1	0	\$870	\$0	+	a
Records of Monthly Fuel Use	0.5	\$0	\$0	\$0	12	6	2	12	1	1	\$1,305	\$0		a
E. Personnel Training	na													
F. Time for Audits	na							98	10		\$10,000	\$0		$\vdash$
Recordkeeping Subtotal	1					1			10	5	\$10,660		<del>                                     </del>	$\vdash$
Totals			l					410	41	21	\$44,599	\$96,200	4	

a The total number of new small liquid fuel boilers estimated in the first 5 years of this rule is 2. The burden for these units was accounted for in year 1. Year 2 and 3 will not have additional burden, but annual burden for these two units will occur in years 2 and 3. b Assumes facility must already maintain records on boiler insurance and/or maintenance schedule. No new record system would be required.

Table 12.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, New Small Gas Fuel Units

Column   C		for Hazard	ous Air Pollut	ants (NESHAF	) for indust	triai, Commerc	ciai, and inst	itutional Boiler	s - Year 1,	New Small	Gas Fuel t	Units			
Part															
Part															
Part															
Processor   Proc															
Part															
Secretary   Secr										(I)	(J)				
Bode		(A) Respondent		(C) Stack			(F) Technical		Technical	Clerical	Manageme				
Part		Hours per	(B) Certified	Testing and	(D) Other	(E) Number of	Hours per		Hours per	Hours per	nt Hours		(L) Total Non-		es es
Tapping programs								(G) Number of					Lábor Capital	(M) Total Number	- E
Tagingman Propriess   Fig.				Cost Per								(K) Total Labor	Costs Per Year		등
Tagingman Propriess   Fig.	Burden Item		Occurrence	Occurrence		Per Year	(A X F)	Per Year					[(B+C+D)xFxG]	Year (F X G)	ļ,ŏ
2 Someway on States							( /		-/	,			[()]	1000 (2110)	+≞
Securing Stack Test and Report for Part   12															
A. Read and Understand Ruske Registered (1997)   12   180   180,000   190   1   12   190   180,000   190   1   12   190   180,000   190		na													
S. Regions Activities   S. Regions Activities   S. Regions   S. Regi															
1	Read and Understand Rule Requirements	40	\$0	\$0	\$0	1	40	2	93	9	5	\$10,153	\$0		a
1	B. Required Activities											·			+
2. Intell Stack Test and Registry for Prof.   12   15   15   15   15   15   15   15		12	40	\$E 000	40	1	12	^	0	0	_	40	40		-
3. Intel Stand Fact and Report for HOLD    12   30   88,000   50   1   12   0   0   0   0   90   30   60   4   4   4   4   4   4   4   4   4						1			-						
4. minal Statist, Test and Report (for CO)															
S. Finish Stack real and Report (for DPI)	Initial Stack Test and Report (for HCI)	12	\$0	\$8,000	\$0	1	12	0	0	0	0	\$0	\$0		a
S. Finish Stack real and Report (for DPI)	Initial Stack Test and Report (for CO)	12	\$0	\$7,000	\$0	1	12	0	0	0	0	\$0	\$0		a
6. Annual Stanta Test and Report (the Phil)   12   50   55,000   50   1   12   0   0   0   0   50   50   50   1   12   12   0   0   0   0   0   50   50   50   1   12   12   12   12   12   0   0   0   0   0   0   50   50   1   12   12   12   12   12   12   12						1									
7. Annual Statis Test and Project (for High)   12   50   \$80,000   50   1   12   0   0   0   0   50   50   50   6.5     8. Annual Statis Test and Project (for High)   12   50   \$80,000   50   1   12   0   0   0   0   50   50   50   6.5     10. Annual Statis Test and Project (for Diff)   12   50   \$80,000   10   1   12   0   0   0   0   0   50   50   50     11. Inside Fred Analysis for Mercary and PLC Content   5   50   \$400   80   1   12   0   0   0   0   0   50   50   50     12. Whether Flace Analysis for Mercary and PLC Content   5   50   \$400   80   12   5   0   0   0   0   0   50   50   50								-	-						
8. Annual State 7 tear and Report for HCD	o. Annual Stack Test and Report (for PM)					_			-						
9. Annual Stack Test and Report (NCO)   12   30   97,000   50   1   12   0   0   0   0   90   90   90   12   12   13   13   13   13   13   13						1									
9. Annual States Test and Report (for CO)						1		0	0	0	0				a,c
11. Annual Seak Test and Report (for DF)   12   90   \$55,000   30   1   12   0   0   0   0   50   50   80   1   1   1   1   1   1   1   1   1		12	\$0	\$7,000	\$0	1	12	0	0	0	0	\$0	\$0		
11. Inside Field Analysis for Mercury and FIEL Contents   5   \$0   \$400   \$0   \$1   \$0   \$0   \$0   \$0   \$0															
12: Monthly Free Analysis for Mercury and PLC Contrets 13: Control Parameter Monthly plan (al) 13: Control Parameter Monthly plan (al) 14: Spring Plan (al) 15: Spring Plan (al) 16: Spring Plan (al) 16: Spring Plan (al) 17: Spring Plan (al) 18: Spring Plan (al)															
13. Commission Parameter Monitoring   10.   10															
Establish Nis-specific monitoring plant (all)		5	\$0	\$400	\$0	12	60	0	0	0	0	\$0	\$0		а
Establish Nis-specific monitoring plant (all)   40   50   80   1   40   0   0   0   0   50   30   30   a   a   Country   Cou	13. Continuous Parameter Monitoring														1
Opinion of Policy (a) mittal (b) and (		40	\$0		\$0	1	40	0	0	0	0	\$0	\$0		a
a) minal							-70				_ <u> </u>		40		+
Digital   Digi													**		
PM (crify sources greater than 250 ministally   10   80   80   8158,000   1   10   0   0   0   0   50   80   8   0   8   1   1   1   1   1   1   1   1   1															
Similar   10   S0   S0   SISS,000   1   10   0   0   0   S0   S0   S0	b) annual	10	\$0	\$0	\$14,700	1	10	0	0	0	0	\$0	\$0		a
Similar   10   S0   S0   SISS,000   1   10   0   0   0   S0   S0   S0	PM (only sources greater than 250 mmBtu/hr)														+-
Diaminal   10   S0   S0   S56,100   1   10   0   0   0   0   0   S0   S		10	90	90	\$158,000	1	10	0	0	0	0	0.2	90		- 2
CO (pin) sources greater than 100 mm8Rufly) a) initial b) amrual 10						_									
(a) initial 10 \$0 \$0 \$1 \$30 \$30 \$35,000 \$1 \$10 \$0 \$0 \$0 \$0 \$50 \$50 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0		10	\$0	\$0	\$50,100	1	10	U	U	U	U	<b>\$</b> U	<b>\$</b> U		a
Scrubber System Monitoring and Operation (for units with we soutbers)	CO (only sources greater than 100 mmBtu/hr)														
Scrubber System Monitoring and Operation (for units wift west coubles with west set of the state of the sta	a) initial	10	\$0	\$0	\$160,900	1	10	0	0	0	0	\$0	\$0		a
Scrubber System Monitoring and Operation (for units wift well scrubbers)   Society	b) annual	10	\$0	\$0	\$53,600	1	10	0	0	0	0	\$0	\$0		+-
(for units with wet scrubbers)  a) initial  10 \$0 \$0 \$0 \$24,300 \$1 \$1,0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	,				,										+-
a) Initial 10 \$0 \$0 \$5,000 1 10 0 0 0 0 0 \$0 \$0 \$0 a a Bag Leak Detection System Operation (all sources that have leftic filters)    Bay Leak Detection System Operation (all sources that have leftic filters)    a) Initial 10 \$0 \$0 \$0 \$5,000 1 10 0 0 0 0 0 \$0 \$0 \$0 a a control of the property of the pr															'
Digital   Digi															
Bag Leak Detection System Operation (all sources that have father (leters)   10   80   80   825,500   1   10   0   0   0   0   0   0   50   80   80						_		_							
(all sources that have fabric filters)  a) infield  10 \$0 \$5 \$5.500 \$1 10 0 0 0 0 0 \$50 \$50 \$60 a  b) annual  (all sources that tase ACL to control Hg)  a) infield  10 \$0 \$50 \$50 \$50 a  a  Carbon injection Monitoring System (all sources that tase ACL to control Hg)  a) infield  10 \$0 \$50 \$50 \$50 a  a  10 \$10 \$0 \$0 \$0 \$0 \$0 \$50 \$50 a  a  10 \$10 \$0 \$0 \$0 \$0 \$0 \$50 \$50 a  a  11 \$10 \$0 \$0 \$0 \$0 \$0 \$50 \$50 a  a  12 \$10 \$10 \$0 \$0 \$0 \$0 \$50 \$50 a  a  13 \$11,5000 \$1 \$1 \$10 \$0 \$0 \$0 \$0 \$50 \$50 \$50 a  a  14 \$11 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$10	b) annual	10	\$0	\$0	\$5,600	1	10	0	0	0	0	\$0	\$0		а
(all sources that have fabric filters)  a) infield  10 \$0 \$0 \$50 \$50 \$1  10 \$0 0 0 0 0 \$50 \$50 \$30  a) D) annual  (all sources that tase ACL to control Hg)  a) infield  10 \$0 \$0 \$50 \$50 \$1  a) infield  10 \$0 \$0 \$0 \$0 \$0 \$50 \$50 \$1  a) infield  10 \$0 \$0 \$0 \$0 \$50 \$50 \$1  a) infield  10 \$0 \$0 \$0 \$0 \$0 \$50 \$50 \$1  a) infield  10 \$0 \$0 \$0 \$0 \$0 \$50 \$50 \$1  a) infield  10 \$0 \$0 \$0 \$0 \$50 \$50 \$1  a) infield  10 \$0 \$0 \$0 \$0 \$50 \$50 \$1  a) infield  10 \$0 \$0 \$0 \$0 \$50 \$50 \$1  a) infield  10 \$0 \$0 \$0 \$0 \$50 \$50 \$1  a) infield  10 \$0 \$0 \$0 \$0 \$50 \$50 \$1  a) infield  10 \$0 \$0 \$0 \$0 \$0 \$0 \$0  a) infield  10 \$0 \$0 \$0 \$0 \$0 \$0  a) infield  10 \$0 \$0 \$0 \$0 \$0 \$0  a) infield  10 \$0 \$0 \$0 \$0 \$0 \$0  a) infield  10 \$0 \$0 \$0 \$0 \$0 \$0  a) infiel	Barr Leak Detection System Operation														-
a) initial 10 \$0 \$0 \$0 \$30 \$25,500 1 10 0 0 0 0 50 \$0 \$0 \$0 a a	(all sources that have fabric filters)														'
Dianual   10   50   50   50   50   50   50   50		10	60	60	#0F F00	-	10	_	_	0	_	40	40		+'
Carbon Injection Monitoring System (all sources that use ACI to control Hg)						-									
(all sources that use ACI to control Hg)  a) initial 10 \$0 \$0 \$115,000 \$1 \$10 \$0 \$0 \$0 \$3 \$0 \$0 \$a \$b \$0 \$115,000 \$1 \$10 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$a \$b \$0 \$a \$b \$14. Bernal Tune-Up \$12 \$0 \$2,228 \$0 \$0.5 \$6 \$14 \$84 \$8 \$4 \$8,317 \$31,192 \$7 \$0 \$0.5 \$0 \$10,00	b) annual	10	\$0	\$0	\$9,700	1	10	0	0	0	0	\$0	\$0		a
(all sources that use ACI to control Hg)  a) initial 10 \$0 \$0 \$115,000 \$1 \$10 \$0 \$0 \$0 \$3 \$0 \$0 \$a \$b \$0 \$115,000 \$1 \$10 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$a \$b \$0 \$a \$b \$14. Bernal Tune-Up \$12 \$0 \$2,228 \$0 \$0.5 \$6 \$14 \$84 \$8 \$4 \$8,317 \$31,192 \$7 \$0 \$0.5 \$0 \$10,00	Carbon Injection Monitoring System														
a) initial    10															
Dianual   10   \$0   \$0   \$0   \$0   \$0   \$0   \$0		10	60	40	\$115,000	1	10	0	0	0	_	40	40		-
1.4 Biennual Tune-Up						_		U							
C. Create Information   na															
D. Gather Information   E. Report Preparation	14. Biennual Tune-Up	12	\$0	\$2,228	\$0	0.5	6	14	84	8	4	\$9,137	\$31,192	7	d
D. Gather Information   E. Report Preparation	C. Create Information	na													1
E. Report Preparation 1) Initial Notification that Source is Subject 2 \$0 \$0 \$0 \$1 2 2 2 5 0 0 \$508 \$0 2 a a 3) Initial Report corresults of Energy Audit 5 \$0 \$0 \$0 \$0 \$1 8 2 19 2 1 \$2,031 \$0 2 a a 3) Initial Report on results of Energy Audit 5 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0					l		l								+
1) Initial Notification that Source is Subject   2   \$0   \$0   \$0   \$0   \$1   2   2   2   5   0   0   \$508   \$0   2   a   2   2   Notification of Compliance Status   8   \$0   \$0   \$0   \$0   \$0   \$0   \$0					-		<del>                                     </del>			-		<b>—</b>			+
2) Notification of Compilance Status 8 \$0 \$0 \$0 \$1 88 2 19 2 1 \$2,031 \$0 2 a 3 3) Initial Report on results of Energy Audit 5 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0			60									<b>6</b> F00	40	<del></del>	+-
3) Initial Report on results of Energy Audit 5 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0		-				1	_	_	-	_	0			_	
3) Initial Report on results of Energy Audit 5 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	Notification of Compliance Status	8			\$0	1	- 8	2	19	2	1	\$2,031	\$0	2	a
4) Blennual Compliance Report 5 \$0 \$0 \$0 \$0 \$0.5 \$2.5 \$2 \$6 \$1 \$0 \$6335 \$50 \$1 \$0 \$Reporting Subtotal \$0 \$0.5 \$0.5 \$0.5 \$0.5 \$0.5 \$0.5 \$0.5 \$	Initial Report on results of Energy Audit	5	\$0			1	5	0		0	0		\$0	0	
Recording Subtotal		_								-					
A. Read instructions   Included in 3a		J	Ψυ	90	Ψ0	0.5	2.3								+ 4
A. Read instructions   Included in 3a									207	21	10	\$22,463	\$31,192	ь	$\perp$
B. Implement Activities															
B. Implement Activities	A. Read Instructions	Included in 3a													
C. Develop Record System   na															-
D. Record Information							<u> </u>		<b>-</b>						h
1) Records of Operating Parameter Values   20   \$0   \$0   \$0   \$0   \$0   \$0   \$0		ıld					1								
2) Records of Startup, Shutdown, Malfunction 15 \$0 \$0 \$0 \$1 15 0 0 0 0 \$0 \$0 \$0 \$0 a 3) Records of Stark Tests 2 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 a 4 4) Records of Monitoring Device Calibrations 2 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 a 50 \$0 a 50 a 5															
2) Records of Startup, Shutdown, Malfunction 15 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	Records of Operating Parameter Values					1			0		0				а
3) Records of Stack Tests   2   \$0   \$0   \$0   \$1   2   0   0   0   \$0   \$0   \$0   \$0   \$	Records of Startup, Shutdown, Malfunction	15	\$0	\$0	\$0	1	15		0	0	0	\$0	\$0		
4) Records of Monitoring Device Calibrations 2 \$0 \$0 \$0 \$1 2 0 0 0 0 \$0 \$0 \$0 a 50 50 50 50 50 50 50 50 50 50 50 50 50															
5) Records of All Biennial Compliance Reports Submitted 2 \$0 \$0 \$0 0.5 1 14 14 1 1 1 \$1,523 \$0 d 6) Records of Monthly Fuel Use 0.5 \$0 \$0 \$0 12 6 14 84 8 4 \$9,137 \$0 a E. Personnel Training na						_									
6) Records of Monthly Fuel Use 0.5 \$0 \$0 \$0 12 6 14 84 8 4 \$9,137 \$0 a E. Personnel Training na	Records of Monitoring Device Calibrations	1 2	\$0	\$0	\$0	1	2		U	U	U	\$0	\$0		a
6) Records of Monthly Fuel Use 0.5 \$0 \$0 \$0 12 6 14 84 8 4 \$9,137 \$0 a E. Personnel Training na															1
6) Records of Monthly Fuel Use 0.5 \$0 \$0 \$0 12 6 14 84 8 4 \$9,137 \$0 a E. Personnel Training na						0.5	1 1	14	14	1	1 1	\$1 523	0.2	1	d
E. Personnel Training   na	5) Records of All Biennial Compliance Reports Submitted		\$0	\$0	\$0										
F. Time for Audits na 98 10 5 \$10,660 \$0	5) Records of All Biennial Compliance Reports Submitted 6) Records of Monthly Fuel Use	2						14	84	8					
Recordkeeping Subtotal         98         10         5         \$10,660         \$0	Records of Monthly Fuel Use	2 0.5						14	84	8					
	Records of Monthly Fuel Use     Personnel Training	2 0.5 na						14	84	8					
Totals 305 30 15 \$33 122 \$31 102 6	6) Records of Monthly Fuel Use E. Personnel Training F. Time for Audits	2 0.5 na						14			4	\$9,137	\$0		
	6) Records of Monthly Fuel Use E. Personnel Training F. Time for Audits	2 0.5 na						14			4	\$9,137	\$0		

a The total number of new small gas fuel boilers estimated in the first 3 years of this rule is 27. These boilers are estimated to occur at 4 facilities. Two new facilities with 7 boilers each will be installed in year one. One facility with 7 boilers will be installed in year 3.

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

c In year 1, only initial burdens are realized. Annual burdens will not begin until year 2

d. Small gas units will have a biennial tune-up and compliance report requirement.

f. Since a tune-up is required biennially, every two years, the compliance reports for small units are also due every two years. Records of the tune-ups will be submitted to the Administrator upon request.

g. Small gas units are not required to maintain records on startup, shutdown and malfunction.

Table 12.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. New Small Gas Fuel Units

6. Armail Stack Test and Report (or Phy) 12   50   \$5,000   50   1   12   0   0   0   0   50   \$5   Armail Stack Test and Report (or Phy) 12   50   \$8,000   50   1   12   0   0   0   0   50   \$5   Armail Stack Test and Report (or Phy) 12   50   \$8,000   50   1   12   0   0   0   0   50   \$5   Armail Stack Test and Report (or Cu)   12   13   10   10   10   10   10   10   10		tor Hazard	ous Air Pollut	ants (NESHAF	) for Indus	trial, Commerc	cial, and Insti	tutional Boiler	s - Year 2,	New Small	Gas Fuel U	Inits		1	
1. Applications		Hours per		Testing and			Hours per	(G) Number of	Technical Hours per	Hours per	Manageme nt Hours		(L) Total Non- Labor Capital	(M) Total Number	otes
1. Applications				Cost Per				Respondents	\$98.20 (F X	\$48.53 (H	\$114.49 (H	(K) Total Labor	Costs Per Year	of Responses per	Ě
1. Applications	Burden Item													Year (E X G)	l ĕ
\$\$ Reporting Requestments   \$   \$   \$   \$   \$   \$   \$   \$   \$															$\overline{}$
Remark Clusterseared Nute Responsements   90   80   80   80   80   80   80   80		na													
Repair Assertion   1															
1. First glack Feet and Propose (ICP PM)		40	\$0	\$0	\$0	1	40	1	40	4	2	\$4,351	\$0		a
2. Fire Stack Test and Regard for Fey   12		10	Φ0	ØF 000	Φ0	1	10					<b>*</b> 0	40		<del>-</del>
1. Final Skack Teal and Report (the PLD) 1. Page 1. Pa						_					-				
4. Freed Stack Feet and Report for CO)  12						_									
5. Final Sase The and Report for OPP   12   39   \$15,000   30   1   12   0   0   0   0   50   50   30   40   40   40   40   40   40   4						1									
7. Amail Stack Feet and Report (for Fee) 12 50 \$80,000 \$0 1 12 0 0 0 0 0 50 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0						1			0		0				a,c
8. Amail Stack Test and Report (or HC)		12	\$0	\$5,000	\$0	1	12	0	0	0	0	\$0	\$0		a,c
9. Amenia Stack Test and Report (for CO) 12   50   \$1,000   30   1   12   0   0   0   0   50   50   50   6.6	Annual Stack Test and Report (for Hg)					1									a,c
1.0. Annual State Feel and Reposit (of to PF) 1.2   150   150.000   30   1   12   0   0   0   0   0   150   150   1   1   1   1   1   1   1   1   1											-				a,c
11. Initial Fuel Analysis for Mercary and FACL Comient 5						_									a,c
12. Morethy Fuel Analysis for Mercury and HCLC Correct 15. Gordinary Parameter Moreting flan (a) 16. State of the Correct of State of Stat	10. Annual Stack Test and Report (for D/F)					_									a,c
13. Continuous Paramiente Montoring Jan (a)   0   50   50   50   50   50   50   50	11. Initial Fuel Analysis for Mercury and HCL Content					_									
Establish Sisk-geefic monitoring plan (all) 40 50 50 50 50 50 50 50 50 50 50 50 50 50	12. MONITRIY Fuel Analysis for Mercury and HCL Content	5	\$0	\$400	\$0	12	60	U	U	U	0	\$0	\$0		<u> </u>
Copacity		40	0.2		0.2	1	40	0	0			0.9	40		-
Security   Property		40	ΨΟ		Ψ0	1	40	0	-	-	-	ΨΟ	Ψυ		- a
Second Content		10	\$0	\$0	\$43.100	1	10	0	0	0	0	\$0	\$0		a
PMX (only sources greater than 250 mmRs(burly)   10   50   30   35   35   35   35   35   3						1									
a jiridal 10 50 80 355.000 1 10 0 0 0 0 0 30 30 30 8	PM (only sources greater than 250 mmBtu/hr)					_				_	-				+-
Companies of the comp		10	\$0	\$0	\$158,000	1	10	0	0	0	0	\$0	\$0		a
a) misal	b) annual	10	\$0	\$0	\$56,100	1	10	0	0	0	0	\$0	\$0		а
Serubse System Monitoring and Operation   Circ units with west System   Circ units with west System Operation   Circ units with west System   Ci															
Scrubber System Monitoring and Operation (for uniform) and Operation (a) a jinitial of the state						_			-						a
Certamin with wet sorubbers   10   50   50   \$24,300   1   10   0   0   0   0   0   50   \$0   \$0   \$		10	\$0	\$0	\$53,600	1	10	0	0	0	0	\$0	\$0		
a jinisial 10 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	Scrubber System Monitoring and Operation														
Bay Leake Detection System Operation (all sources that have fabric filters)  (a) Initial (all sources that have fabric filters)  (b) Sources that have fabric filters)  (a) Initial (all sources that have fabric filters)  (b) Annual (all sources that have fabric filters)  (a) Initial (all sources that have fabric filters)  (b) Annual (all sources that have fabric filters)  (a) Initial (all sources that have fabric filters)  (b) Annual (all sources that have fabric filters)  (a) Initial (all sources fabric filters)  (b) Annual (all sources fabric filters)  (c) All sources fabric filters)  (d) All sources fabric filters)  (e) All sources fabric filters)		10	40	40	#24 200		10					<b>#</b> 0	#0		<del>-</del>
Bag Leak Detection System Operation (all sources that have fairnet filters)  a) initial 10 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0						1			-						
(all sources that have fabric filters)  a) initial  b) annual  10		10	ΨΟ	ΨΟ	\$5,000	1	10	0	-	-	-	ΨΟ	Ψυ		- a
a   10   50   50   50   50   50   50   50	(all sources that have fabric filters)														
Carbon injection Montroling System (all sources that use ACI to control Hg)		10	\$0	\$0	\$25,500	1	10	0	0	0	0	\$0	\$0		a
Carbon Injection Monitoring System (all sources that use ACI to control Hg)  a) initial  b) annual  10 \$0 \$0 \$0 \$15,000 1 1 10 0 0 0 0 0 50 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0						1									a
(all sources that use ACI to control Hg)  a) initial  10 \$0 \$0 \$115,000 \$1 \$10 \$0 \$0 \$0 \$0 \$10 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0															-
Digramma   10   \$0   \$0   \$0   \$0   \$0   \$0   \$0	(all sources that use ACI to control Hg)														
14. Biennual Tune-Up						1									а
C. Create Information						_									a
D. Gather Information E. Report Preparation 1) Initial Notification that Source is Subject 2 \$0 \$0 \$0 \$1 2 1 2 1 2 0 0 0 \$218 \$0 1 a 2 2 Notification of Compliance Status 3) Initial Report on results of Energy Audit 5 \$0 \$0 \$0 1 8 1 8 1 8 1 0 \$870 \$0 1 a a 2 Notification of Compliance Status 3) Initial Report on results of Energy Audit 5 \$0 \$0 \$0 1 8 1 5 0 0 0 0 0 8 50 \$0 0 a a 4 8 8 1 8 1 0 \$0 \$900 \$0 0 a a 4 9 8 1 1 8 1 0 \$0 \$900 \$0 0 a a 4 9 8 1 1 8 1 1 0 \$0 \$900 \$0 0 0 a a 4 9 8 1 1 8 1 1 0 \$0 \$900 \$0 0 0 a a 4 9 8 1 1 8 1 1 0 \$0 \$900 \$0 0 0 a a 4 9 8 1 1 1 0 \$0 \$900 \$0 0 0 0 a a 4 9 8 1 1 1 0 \$0 \$900 \$0 0 0 0 a a 4 9 8 1 1 1 0 \$0 \$900 \$0 0 0 0 0 0 0 0 0 0 0 0 0 0			\$0	\$2,228	\$0	0.5	6	21	126	13	6	\$13,706	\$46,788	11	d
E. Report Preparation 1) Initial Notification that Source is Subject 2															
1) Initial Notification that Source is Subject 2 \$0 \$0 \$0 \$0 \$1 2 1 2 1 2 0 0 0 \$218 \$0 1 a a 2 Notification of Compliance Status 8 \$0 \$0 \$0 \$0 1 8 1 8 1 8 1 0 \$870 \$0 1 a a 3) Initial Report on results of Energy Audit 5 \$0 \$0 \$0 \$0 1 5 5 0 0 0 0 0 \$0 \$0 \$0 \$0 0 a 4 4 \$1 8 9 \$20 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	D. Garrier Information  E. Report Preparation	na		<u> </u>								<u> </u>			_
2) Notification of Compiliance Status		2	\$n	\$0	\$0	1	,	1	2	0	0	\$218	\$0	1	-
3) Initial Report on results of Energy Audit 5 \$ \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$						_									a
A   Biennual Compliance Report   S   \$0   \$0   \$0   \$0   \$0   \$0   \$2.5   \$3   \$8   1   \$0   \$906   \$0   \$2   \$4   \$4   \$4   \$4   \$4   \$4   \$4															a
Reporting Subtotal															a
4. Recordkeeping Requirements  A. Read Instructions  B. Implement Activities  C. Develop Record System  D. Record of Operating Parameter Values  20 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0									184	18	9		\$46,788	4	$\overline{}$
A. Read Instructions   Included in 3a	Recordkeeping Requirements					1									
C. Develop Record System	Read Instructions														
D. Record Information  1) Records of Operating Parameter Values 20 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0															
1) Records of Operating Parameter Values 20 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0		na													b
2) Records of Startup, Shutdown, Malfunction 15 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0			**	***	**							**	40		₩
3) Records of Stack Tests 2 \$0 \$0 \$0 \$0 1 2 0 0 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0						_									
4) Records of Monitoring Device Calibrations         2         \$0         \$0         \$0         0         0         \$0 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td>						_								1	
5) Records of All Biennial Compliance Reports Submitted 2 \$0 \$0 \$0 \$2 4 21 84 8 4 \$9,137 \$0 a 6) Records of Monthly Fuel Use 0.5 \$0 \$0 \$0 \$0 12 6 21 126 13 6 \$13,706 \$0 a E. Personnel Training F. Time for Audits Recordseeping Subtotal  8 2 2 4 21 84 8 4 \$9,137 \$0 a a 5 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5															
6) Records of Monthly Fuel Use 0.5 \$0 \$0 \$0 \$0 12 6 21 126 13 6 \$13,706 \$0 a E. Personnel Training na	Ty Necolds of Monitoring Device Calibrations		Ψυ	Ψυ	Ψυ	-		0	-	-	-	Ψυ	Ψυ		+ a
6) Records of Monthly Fuel Use 0.5 \$0 \$0 \$0 \$0 12 6 21 126 13 6 \$13,706 \$0 a E. Personnel Training na	5) Records of All Biennial Compliance Reports Submitted	2	\$0	\$0	\$0	2	4	21	84	8	4	\$9,137	\$0		a
E. Personnel Training F. Time for Audits Recordkeeping Subtotal  210 21 11 \$22,843 \$0	6) Records of Monthly Fuel Use														a
F. Time for Audits na 2007. Time for Audits 2007. The Correct Program of the Correct Progra											· ·	,			۲Ť
		na													T
Totals 394 39 20 \$42,895 \$46,788 4	Recordkeeping Subtotal								210	21	11	\$22,843	\$0		
	Totals								394	39	20	\$42,895	\$46,788	4	

a The total number of new small gas fuel boilers estimated in the first 3 years of this rule is 27. These boilers are estimated to occur at 4 facilities. Two new facilities with 7 boilers each will be installed in year one. One facility with 7 boilers will be installed in year 3 and another facility with 6 boilers will be installed in year 3.

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

c In year 1, only initial burdens are realized. Annual burdens will not begin until year 2

d. Small gas units will have a biennial tune-up and compliance report requirement.

Table 12.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, New Small Gas Fuel Units

	IOI HAZAIU	ous Air Pollul	ants (NESHAF	) ioi iliaus	triai, Commerc	iai, anu inst	tutional Boiler	S - Tear 3,	New Sman	Gas Fuel C	Jillis			
	(A) Respondent Hours per Occurrence (Technical	(B) Certified Energy Audit Cost per	(C) Stack Testing and Fuel Analysis Cost Per	(D) Other Non-Labor Costs Per	(E) Number of Occurrences Per Respondent	(F) Technical Hours per Respondent Per Year	(G) Number of Respondents	(H) Technical Hours per Year @ \$98.20 (F X	(I) Clerical Hours per Year @ \$48.53 (H	(J) Manageme nt Hours per Year @ \$114.49 (H		(L) Total Non- Labor Capital Costs Per Year	(M) Total Number	Footnotes
Burden Item	hours)	Occurrence	Occurrence	Occurrence	Per Year	(A X E)	Per Year	G)	X 0.1)	X .05)	Costs Per Year	[(B+C+D)xExG]	Year (E X G)	L C
Applications	na													
Surveys and Studies	na													
Reporting Requirements     A. Read and Understand Rule Requirements	40	\$0	\$0	\$0	1	40	1	40	4	2	\$4,351	\$0		1
B. Required Activities	40	Φυ	Φυ	ΦU	1	40	1	40	4		<b>⊅</b> 4,331	Φ0		a
Initial Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12		0	0	0	\$0	\$0		a
Initial Stack Test and Report (for Hg)	12	\$0	\$8,000	\$0	1	12		0	0	0	\$0	\$0		a
Initial Stack Test and Report (for HCI)	12	\$0	\$8,000	\$0	1	12		0	0	0	\$0	\$0		a
Initial Stack Test and Report (for CO)	12	\$0	\$7,000	\$0	1	12		0	0	0	\$0	\$0		a
Initial Stack Test and Report (for D/F)	12	\$0	\$16,000	\$0	1	12		0	0	0	\$0	\$0		a,c
Annual Stack Test and Report (for PM)	12	\$0	\$5,000	\$0	1	12		0	0	0	\$0	\$0		a,c
7. Annual Stack Test and Report (for Hg)	12 12	\$0 \$0	\$8,000	\$0	1	12		0	0	0	\$0 \$0	\$0		a,c
Annual Stack Test and Report (for HCI)     Annual Stack Test and Report (for CO)	12	\$0 \$0	\$8,000 \$7,000	\$0 \$0	1	12 12		0	0	0	\$0 \$0	\$0 \$0	1	a,c
10. Annual Stack Test and Report (for D/F)	12	\$0	\$16,000	\$0	1	12		0	0	0	\$0	\$0	<del>                                     </del>	a,c
Initial Fuel Analysis for Mercury and HCL Content	5	\$0	\$400	\$0	1	5		0	0	0	\$0	\$0	1	a,c
Monthly Fuel Analysis for Mercury and HCL Content	5	\$0	\$400	\$0	12	60		0	0	0	\$0	\$0	†	a
13. Continuous Parameter Monitoring														
Establish Site-specific monitoring plan (all)	40	\$0		\$0	1	40		0	0	0	\$0	\$0		a
Opacity														
a) initial	10	\$0	\$0	\$43,100	1	10		0	0	0	\$0	\$0		a
b) annual	10	\$0	\$0	\$14,700	1	10		0	0	0	\$0	\$0		a
PM (only sources greater than 250 mmBtu/hr) a) initial	10	\$0	\$0	\$158,000	1	10		0	0	0	\$0	\$0		a
b) annual	10	\$0	\$0	\$56,100	1	10		0	0	0	\$0	\$0		a
CO (only sources greater than 100 mmBtu/hr)	10	ΨΟ	ΨΟ	\$30,100		10			0	- 0	Ψ0	ΨΟ		a
a) initial	10	\$0	\$0	\$160,900	1	10		0	0	0	\$0	\$0		a
b) annual	10	\$0	\$0	\$53,600	1	10		0	0	0	\$0	\$0		-
Scrubber System Monitoring and Operation														
(for units with wet scrubbers) a) initial	10	\$0	\$0	\$24,300	1	10		0	0	0	\$0	\$0		a
b) annual	10	\$0	\$0	\$5,600	1	10		0	0	0	\$0	\$0		a
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		a
b) annual	10	\$0	\$0	\$9,700	1	10		0	0	0	\$0	\$0		a
Carbon Injection Monitoring System														
(all sources that use ACI to control Hg)														
a) initial	10	\$0	\$0	\$115,000	1	10	0	0	0	0	\$0	\$0		a
b) annual	10	\$0	\$0	\$9,700	1	10	0	0	0	0	\$0	\$0		a
14. Biennual Tune-Up	12 na	\$0	\$2,228	\$0	0.5	6	27	162	16	8	\$17,622	\$60,156	14	d
C. Create Information D. Gather Information	na													+
E. Report Preparation	i ia		-		<del>                                     </del>						-		1	+
Initial Notification that Source is Subject	2	\$0	\$0	\$0	1	2	1	2	0	0	\$218	\$0	1	a
2) Notification of Compliance Status	8	\$0	\$0	\$0	1	8	1	8	1	0	\$870	\$0	1	a
Initial Report on results of Energy Audit	5	\$0	\$0	\$0	1	5	0	0	0	0	\$0	\$0	0	а
Biennual Compliance Report	5	\$0	\$0	\$0	0.5	2.5	4	11	1	1	\$1,178	\$0	2	a
Reporting Subtotal								223	22	11	\$24,239	\$60,156	4	
Recordkeeping Requirements     Read Instructions	Included in 3a													-
A. Read Instructions B. Implement Activities	na na		-		-						-	-	1	-
C. Develop Record System	na				<del> </del>						-		+	b
D. Record Information			<del> </del>										1	Ť
Records of Operating Parameter Values	20	\$0	\$0	\$0	1	20	0	0	0	0	\$0	\$0	1	а
<ol><li>Records of Startup, Shutdown, Malfunction</li></ol>	15	\$0	\$0	\$0	1	15	0	0	0	0	\$0	\$0	1	a
Records of Stack Tests	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0		a
Records of Monitoring Device Calibrations	2	\$0	\$0	\$0	1	2	0	0	0	0	\$0	\$0		a
5) Records of All Biennial Compliance Reports Submitted	2	\$0	\$0	\$0	2	4	27	108	11	5	\$11,748	\$0		a
6) Records of Monthly Fuel Use	0.5	\$0	\$0	\$0	12	6	27	162	16	8	\$17,622	\$0		a
E. Personnel Training	na													$\perp$
F. Time for Audits	na							270	27	14	\$29,370	\$0	1	-
Recordkeeping Subtotal			-		-			270					4	$\vdash$
Totals					l			493	49	25	\$53,609	\$60,156	4	1

a The total number of new small gas fuel boilers estimated in the first 3 years of this rule is 27. These boilers are estimated to occur at 4 facilities. Two new facilities with 7 boilers each will be installed in year one. One facility with 7 boilers will be installed in year 3.

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

c In year 1, only initial burdens are realized. Annual burdens will not begin until year 2

d. Small gas units will have a biennial tune-up and compliance report requirement.

### Table 13.A. Annual Federal Government Burden and Cost of Recordkeeping and Reporting for the Industrial, Commercial, and Institutional Boiler and Process Heater Major Source NESHAP Subpart DDDDD- Year 1 - First Year After Promulgation

							İ	<b>"</b>
	EPA hours per	Number of	EPA hours per	Technical	Mangmt hours per	Clerical hours		Footnotes
	occurrence	occurrences	occurrence per	hours per	year	per year		l d
Burden Item	(A)	per year (B)	year (C=AxB)	year (D=C)	(E=Dx0.05)	(F=Dx0.1)	(H) Costs, \$ k	요
1. Read and understand rule requirements	40	60	2,400	2,400	120	240	\$124,379	а
2. Enter and update information into agency recordkeeping								
system	2	1,616	3,233	3,233	162	323	\$167,531	b
3. Required activities								
A. Observe initial stack/performance test	40	3	112	112	6	11	\$5,804	С
B. Observe repeat performance test	40	1	56	56	3	6	\$2,902	d
C. Review operating parameters	2	14	28	28	1	3	\$1,451	е
D. Review continuous parameter monitoring	2	7	14	14	1	1	\$726	f
4 Excess Emissions Enforcement Activities and Inspections	24	1	0	0	0	0	\$0	g
5 Notification requirements								
A. Review initial notification that sources are subject to the								
standard	2	1,616	3,233	3,233	162	323	\$167,531	b
B. Review notification of initial performance tests and review								
test plan	20	14	280	280	14	28	\$14,511	е
C. Review notification of compliance status	2	7	15	15	1	1	\$760	b
6. Reporting requirements			0	0	0	0	\$0	
A. Review semiannual compliance report	4	8	32	32	2	3	\$1,658	h
B. Review annual compliance report	2	0	0	0	0	0	\$0	i
C. Review biennial compliance report	1	1	1	1	0	0	\$60	j
D. Review initial report on results of energy audit	2	0	0	0	0	0	\$0	L
7. Travel Expenses for Tests Attended	2 days + (#112	batal L CCO	als/incidentals) + (	фСОО маким -1				
			\$4.637	m				
TOTAL BURDEN AND COST (SALARY)	trip) = \$1104 p	о. ш.р		9.403	470	940	\$491,951	
<u> </u>				3,403	470		φ491,931	
TOTAL ANNUAL HOURS						10,814		

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

b Number of occurences 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, liquid, and gaseous subcategories, plus all existing large and small solid, liquid, and gaseous subcategories, prinitial notifications of compliance status, the number of occurances is based on all new boilers in the large and small solid, liquid, and gaseous subcategories, existing large and small solid, liquid, and gaseous 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 solid, liquid, and gaseous subcategories test).
- d Number of occurences 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 occurences is based on the number of units that will test and set/submit operating limits in year 1 (in year 1 only boilers in new and existing large solid, liquid, and gaseous 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 occurences 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 year 1 that will submit these semi-annual compliance reports (new units in the large and small solid, liquid and large other process gas subcategories), 2 reports per year per respondent.
- i. Number of occurences is the number of projected new units in year 1 that will submit these annual compliance reports (new units in the large natural gas/refinery gas subcategory).
- i. Number of occurences is the number of projected new units in year 1 that will submit these biennial compliance reports (new units in the small natural gas/refinery gas subcategory).
- k 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 13.B. Annual Federal Government Burden and Cost of Recordkeeping and Reporting for the Industrial, Commercial, and Institutional Boiler and Process Heater Major Source NESHAP Subpart DDDDD- Year 1 - First Year After Promulgation

			i				Ì	
Burden Item	per occurrence (A)	Number of occurrences per year (B)	EPA hours per occurrence per year (C=AxB)	Technical hours per year (D=C)	Mangmt hours per year (E=Dx0.05)	Clerical hours per year (F=Dx0.1)	(H) Costs, \$ k	Footnotes
1. Read and understand rule requirements	40	0	0	0	0	0	\$0	а
Enter and update information into agency recordkeeping system	2	10	20	20	1	2	\$1,036	b
3. Required activities								
A. Observe initial stack/performance test	40	658	26,320	26,320	1,316	2,632	\$1,364,021	С
B. Observe repeat performance test	40	329	13,160	13,160	658	1,316	\$682,010	d
C. Review operating parameters	2	3,290	6,580	6,580	329	658	\$341,005	е
D. Review continuous parameter monitoring	2	13	26	26	1	3	\$1,347	f
4 Excess Emissions Enforcement Activities and Inspections	24	329	0	0	0	0	\$0	g
5 Notification requirements								
A. Review initial notification that sources are subject to the standard	2	10	20	20	1	2	\$1,036	b
B. Review notification of initial performance tests and review test plan	20	3,290	65,800	65,800	3,290	6,580	\$3,410,052	е
C. Review notification of compliance status	2	5	10	10	1	1	\$518	b
6. Reporting requirements			0	0	0	0	\$0	
A. Review semiannual compliance report	4	12	48	48	2	5	\$2,488	h
B. Review annual compliance report	2	1	2	2	0	0	\$104	i
C. Review biennial compliance report	1	2	2	2	0	0	\$86	j
D. Review initial report on results of energy audit	2	0	0	0	0	0	\$0	L
7. Travel Expenses for Tests Attended	3 days * (\$110 trip) = \$1104 p		als/incidentals) + (			\$1,089,648	m	
TOTAL BURDEN AND COST (SALARY)				111,988	5,599	11,199	\$6,893,353	
TOTAL ANNUAL HOURS						128,786		

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

b Number of occurences 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, liquid, and gaseous subcategories, plus all existing large and small solid, liquid, and gaseous subcategories). For initial notifications of compliance status, the number of occurances is based on all new boilers in the large and small solid, liquid, and gaseous subcategories, existing large and small solid, liquid, and gaseous units have until year 3 to submit this notification.

- c Number of occurences 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 solid, liquid, and gaseous subcategories test).

  d Number of occurences 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 occurences is based on the number of units that will test and set/submit operating limits in year 1 (in year 1 only boilers in new and existing large solid, liquid, and gaseous subcategories).
- f Number of occurences 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 occurences 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 occurences is the number of projected new units in year 1 that will submit these semi-annual compliance reports (new units in the large and small solid, liquid and large other process gas subcategories), 2 reports per year per respondent.
- i. Number of occurences is the number of projected new units in year 1 that will submit these annual compliance reports (new units in the large natural gas/refinery gas subcategory).
- i. Number of occurences is the number of projected new units in year 1 that will submit these biennial compliance reports (new units in the small natural gas/refinery gas subcategory).

# Table 13.C. Annual Federal Government Burden and Cost of Recordkeeping and Reporting for the Industrial, Commercial, and Institutional Boiler and Process Heater Major Source NESHAP Subpart DDDDD- Year 1 - First Year After Promulgation

	EPA hours				Mangmt			Ś
	per	Number of	EPA hours per	Technical	hours per	Clerical hours		Footnotes
	occurrence	occurrences	occurrence per	hours per	year .	per year		otu
Burden Item	(A)	per year (B)	year (C=AxB)	year (D=C)	(E=Dx0.05)	(F=Dx0.1)	(H) Costs, \$ k	요
1. Read and understand rule requirements	40	0	0	0	0	0	\$0	а
2. Enter and update information into agency recordkeeping								
system	2	1,617	3,234	3,234	162	323	\$167,600	b
3. Required activities								
A. Observe initial stack/performance test	40	611	24,424	24,424	1,221	2,442	\$1,265,762	С
B. Observe repeat performance test	40	305	12,212	12,212	611	1,221	\$632,881	d
C. Review operating parameters	2	3,053	6,106	6,106	305	611	\$316,440	е
D. Review continuous parameter monitoring	2	1,581	3,162	3,162	158	316	\$163,869	f
4 Excess Emissions Enforcement Activities and Inspections	24	305	0	0	0	0	\$0	g
5 Notification requirements								
A. Review initial notification that sources are subject to the								
standard	2	1,617	3,234	3,234	162	323	\$167,600	b
B. Review notification of initial performance tests and review								
test plan	20	3,053	61,060	61,060	3,053	6,106	\$3,164,404	е
C. Review notification of compliance status	2	1,613	3,226	3,226	161	323	\$167,186	b
6. Reporting requirements			0	0	0	0	\$0	
A. Review semiannual compliance report	4	386	1,544	1,544	77	154	\$80,017	h
B. Review annual compliance report	2	523	1,046	1,046	52	105	\$54,208	i
C. Review biennial compliance report	1	442	442	442	22	44	\$22,889	j
B. Review initial report on results of energy audit	2	1,609	3,218	3,218	161	322	\$166,771	L
7. Travel Expenses for Tests Attended	0 -1 + (0.1.1.0	h-4-1 - <b>4</b> 50	-1-1	<b></b>				
	3 days * (\$110  trip) = \$1104 p		als/incidentals) + (			\$1,011,154	m	
TOTAL BURDEN AND COST (SALARY)	шр, – Ф1104 р	Ci tiip		100.000	C 145	10.001		
<b></b>				122,908	6,145	12,291	\$7,380,782	
TOTAL ANNUAL HOURS						141,344		

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

b Number of occurences 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, liquid, and gaseous subcategories, plus all existing large and small solid, liquid, and gaseous subcategories). For initial notifications of compliance status, the number of occurances is based on all new boilers in the large and small solid, liquid, and gaseous subcategories, existing large and small solid, liquid, and gaseous units have until year 3 to submit this notification.

- c Number of occurences 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 solid, liquid, and gaseous subcategories test).

  d Number of occurences 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 occurences is based on the number of units that will test and set/submit operating limits in year 1 (in year 1 only boilers in new and existing large solid, liquid, and gaseous subcategories).
- f Number of occurences 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 occurences 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 existing and projected new units in year 1 that will submit these semi-annual compliance reports (new and existing units in the large solid, liquid and other process gas subcategories), 2 reports per year per respondent.
- i. Number of occurences is the number of projected new units in year 1 that will submit these annual compliance reports (new units in the large natural gas/refinery gas subcategory).
- i. Number of occurences is the number of projected new units in year 1 that will submit these biennial compliance reports (new units in the small natural gas/refinery gas subcategory).