

**SUPPORTING STATEMENT
ENVIRONMENTAL PROTECTION AGENCY**

**NSPS for Fossil Fuel Fired Steam Generating Units (40 CFR Part 60, Subpart D)
(Renewal)**

1. Identification of the Information Collection

1(a) Title of the Information Collection

NSPS for Fossil Fuel Fired Steam Generating Units (40 CFR Part 60, Subpart D) (Renewal),
EPA ICR Number 1052.10, OMB Control Number 2060-0026

1(b) Short Characterization/Abstract

The New Source Performance Standards (NSPS) for Fossil Fuel Fired Steam Generating Units (40 CFR Part 60, Subpart D) were proposed on August 17, 1971, promulgated on December 23, 1971, amended January 20, 2011, and most recently amended on February 16, 2012. The regulations apply to each fossil fuel fired steam generating unit with heat input rate of 73 megawatts (MW) (250 MMbtu/hr) or more, which commenced construction, reconstruction, or modification after August 17, 1971. Subpart D regulations apply to both electric utility and industrial boilers. This regulation was supplanted by NSPS subpart Da for electric utility steam generating units in 1978, and for industrial-institutional-commercial boilers in 1986. This information is being collected to assure compliance with 40 CFR part 60, subpart D.

In general, all NSPS standards require initial notifications, performance tests, and periodic reports by the owners/operators of the affected facilities. They are also required to maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility, or any period during which the monitoring system is inoperative. These notifications, reports, and records are essential in determining compliance, and are required of all affected facilities subject to NSPS.

Any owner/operator subject to the provisions of this part shall maintain a file of these measurements, and retain the file for at least two years following the date of such measurements, maintenance reports, and records. All reports are sent to the delegated state or local authority. In the event that there is no such delegated authority, the reports are sent directly to the U. S. Environmental Protection Agency (EPA) regional office.

Over the next three years, an average of 660 respondents per year will be subject to the standard, and no additional respondents per year will become subject to the standard. Electric utility boilers, constructed after September 1978, are subject to subpart Da, and industrial, commercial, and institutional boilers, constructed after June 19, 1986, are subject to subpart Db. Therefore, there have been no new subpart D units since 1986; and new units are not expected in the future.

The Office of Management and Budget (OMB) approved the currently active ICR without any Terms of Clearance.

The burden to the “Affected Public” may be found in Table 1: Annual Respondent Burden and Cost – NSPS for Fossil Fuel Fired Steam Generating Units (40 CFR Part 60, Subpart D) (Renewal). The burden to the “Federal Government” burden is attributed entirely to work performed by federal employees or government contractors and may be found below in Table 2: Average Annual EPA Burden and Cost – NSPS for Fossil Fuel Fired Steam Generating Units (40 CFR Part 60, Subpart D) (Renewal).

2. Need for and Use of the Collection

2(a) Need/Authority for the Collection

The EPA is charged under Section 111 of the Clean Air Act (CAA), as amended, to establish standards of performance for new stationary sources that reflect:

. . . application of the best technological system of continuous emissions reduction which (taking into consideration the cost of achieving such emissions reduction, or any non-air quality health and environmental impact and energy requirements) the Administrator determines has been adequately demonstrated. Section 111(a)(1).

The Agency refers to this charge as selecting the best demonstrated technology (BDT). Section 111 also requires that the Administrator review and, if appropriate, revise such standards every four years.

In addition, section 114(a) states that the Administrator may require any owner/operator subject to any requirement of this Act to:

(A) Establish and maintain such records; (B) make such reports; (C) install, use, and maintain such monitoring equipment, and use such audit procedures, or methods; (D) sample such emissions (in accordance with such procedures or methods, at such locations, at such intervals, during such periods, and in such manner as the Administrator shall prescribe); (E) keep records on control equipment parameters, production variables or other indirect data when direct monitoring of emissions is impractical; (F) submit compliance certifications in accordance with Section 114(a)(3); and (G) provide such other information as the Administrator may reasonably require.

In the Administrator's judgment, sulfur dioxide (SO₂), particulate matter (PM), and nitrogen oxides (NO_x) emissions from fossil fuel fired steam generating units cause or contribute to air pollution that may reasonably be anticipated to endanger public health or welfare. Therefore, the NSPS were promulgated for this source category at 40 CFR part 60, subpart D.

2(b) Practical Utility/Users of the Data

The recordkeeping and reporting requirements in the standard ensure compliance with the applicable regulations which were promulgated in accordance with the Clean Air Act. The collected information is also used for targeting inspections and as evidence in legal proceedings.

Performance tests are required in order to determine an affected facility's initial capability to comply with the emission standard. The performance stack test usually requires three 1-hour test runs using the EPA reference test method to demonstrate compliance. Subpart D requires only one performance test (the initial compliance stack test). Continuous emission monitors are used to ensure compliance with the standard at all times.

The notifications required in the standard are used to inform the Agency or delegated authority when a source becomes subject to the requirements of the regulations. The reviewing authority may then inspect the source to check if the pollution control devices are properly installed and operated and if the standard is being met. The performance test may also be observed.

The required semiannual reports are used to determine periods of excess emissions, identify problems at the facility, verify operation/maintenance procedures and for compliance determinations.

3. Non-duplication, Consultations, and Other Collection Criteria

The requested recordkeeping and reporting are required under 40 CFR part 60, subpart D.

3(a) Non-duplication

If the subject standards have not been delegated, the information is sent directly to the appropriate EPA regional office. Otherwise, the information is sent directly to the delegated state or local agency. If a state or local agency has adopted its own similar standards to implement the Federal standards, a copy of the report submitted to the state or local agency can be sent to the Administrator in lieu of the report required by the Federal standards. Therefore, duplication does not exist.

3(b) Public Notice Required Prior to ICR Submission to OMB

An announcement of a public comment period for the renewal of this ICR was published in the Federal Register (77 FR 47631) on August 9, 2012. No comments were received on the burden published in the Federal Register.

3(c) Consultations

The Agency's industry experts have been consulted, and the Agency's internal data

sources and projections of industry growth over the next three years have been considered. The primary source of information as reported by industry, in compliance with the recordkeeping and reporting provisions in the standard, is the Online Tracking Information System (OTIS) which is operated and maintained by the EPA Office of Compliance. OTIS is the EPA database for the collection, maintenance, and retrieval of all compliance data.

Consultations with industry representatives (i.e., respondents) were conducted to determine if there is any way for EPA to reduce the recordkeeping and reporting burden or improve the language in the standard to make it easier to comply. In developing this ICR, EPA contacted: 1) the Council of Industrial Boiler Owners, at (540) 349-9043; and 2) the American Boiler Manufacturers Association at (703) 356-7172.

It is our policy to respond after a thorough review of comments received since the last ICR renewal as well as those submitted in response to the first Federal Register notice.

3(d) Effects of Less Frequent Collection

Less frequent information collection would decrease the margin of assurance that facilities are continuing to meet the standards. Requirements for information gathering and recordkeeping are useful techniques to ensure that good operation and maintenance practices are applied and emission limitations are met. If the information required by these standards was collected less frequently, the proper operation and maintenance of control equipment and the possibility of detecting violations would be less likely.

3(e) General Guidelines

These reporting or recordkeeping requirements do not violate any of the regulations promulgated by OMB under 5 CFR part 1320, section 1320.5.

These standards require the respondents to maintain all records, including reports and notifications for at least five years. This is consistent with the General Provisions as applied to the standards. EPA believes that the five-year records retention requirement is consistent with the Part 70 permit program and the five-year statute of limitations on which the permit program is based. The retention of records for five years allows EPA to establish the compliance history of a source, any pattern of non-compliance, and to determine the appropriate level of enforcement action. EPA has found that the most flagrant violators have violations extending beyond the five years. In addition, EPA would be prevented from pursuing the violators due to the destruction or nonexistence of essential records.

3(f) Confidentiality

Any information submitted to the Agency for which a claim of confidentiality is made will be safeguarded according to the Agency policies set forth in Title 40, chapter 1, part 2, subpart B - Confidentiality of Business Information (CBI) (see 40 CFR 2; 41 FR 36902, September 1, 1976; amended by 43 FR 40000, September 8, 1978; 43 FR 42251, September 20,

1978; 44 FR 17674, March 23, 1979).

3(g) Sensitive Questions

The reporting or recordkeeping requirements in the standard do not include sensitive questions.

4. The Respondents and the Information Requested

4(a) Respondents/SIC Codes

The respondents to the recordkeeping and reporting requirements are fossil fuel fired steam generating units. The United States Standard Industrial Classification (SIC) codes, and their corresponding North American Industry Classification System (NAICS) codes, for fossil fuel fired steam generating units are provided in the following table.

Standard (40 CFR Part 60, Subpart D)	SIC Codes	NAICS Codes
Oil and Gas Extraction	13	211
Utilities	49	221
Fossil Fuel Electric Power Generation	49	221112
Electric Power Transmission, Control, and Distribution	491	22112
Leather and Allied Product Manufacturing	31	316
Wood Product Manufacturing	24	321
Paper Manufacturing	26	322
Petroleum and Coal Products Manufacturing	29	324
Chemical Manufacturing	28	325
Plastics and Rubber Products Manufacturing	30	326
Primary Metal Manufacturing	33	331
Fabricated Metal Product Manufacturing	34	332
Transportation Equipment Manufacturing	37	336
Miscellaneous Manufacturing	39	339
Educational services	82	611
Hospitals	806	622
American Indian and Alaska Native Tribal Governments	8423	921150

4(b) Information Requested

(i) Data Items

In this ICR, all the data that is recorded or reported is required by the NSPS for Fossil Fuel Fired Steam Generating Units (40 CFR Part 60, Subpart D).

A source must make the following notifications/reports:

Notifications/Reports	
Construction/reconstruction date	60.7(a)(1)
Actual startup date	60.7(a)(3)
Initial performance test results	60.8 (a)
Initial performance test	60.8(d)
Demonstration of continuous monitoring system	60.7(a)(5)
Opacity test notification	60.7(a)(6)
Physical or operational change	60.7(a)(4)
Excess emissions and monitoring system performance semiannual report	60.7(c), 60.45(g)

A source must keep the following records:

Recordkeeping	
Startups, shutdowns, malfunctions, periods where the continuous monitoring system is inoperative	60.7(b)
Maintain records for two years	60.7(f)

Electronic Reporting

Some of the respondents are using monitoring equipment that automatically records parameter data. Although personnel at the affected facility must still evaluate the data, internal automation has significantly reduced the burden associated with monitoring and recordkeeping at a plant site.

Also, regulatory agencies in cooperation with the respondents, continue to create reporting systems to transmit data electronically. However, electronic reporting systems

are still not widely used. At this time, it is estimated that approximately 10 percent of the respondents use electronic reporting.

(ii) Respondent Activities

Respondent Activities
Read instructions.
Install, certify, maintain, and operate continuous monitoring systems (CMS) for opacity, SO ₂ , NO _x (or, alternatively, a CO continuous emissions monitoring systems (CEMS) rather than continuous opacity monitoring system (COMS)), and either O ₂ or CO ₂ or a fuel sampling and analysis system.
Perform initial performance test to demonstrate compliance.
Write the notifications and reports listed above.
Enter information required to be recorded above.
Submit the required reports developing, acquiring, installing, and utilizing technology and systems for the purpose of collecting, validating, and verifying information.
Develop, acquire, install, and utilize technology and systems for the purpose of processing and maintaining information.
Develop, acquire, install, and utilize technology and systems for the purpose of disclosing and providing information.
Adjust the existing ways to comply with any previously applicable instructions and requirements.
Train personnel to be able to respond to a collection of information.
Transmit, or otherwise disclose the information.

Currently sources are using monitoring and reporting equipment that provide parameter data in an automated way (e.g., a continuous parameter monitoring system). Although personnel at the source still need to evaluate the data, this type of monitoring equipment has significantly reduced the burden associated with monitoring and recordkeeping.

5. The Information Collected: Agency Activities, Collection Methodology, and Information Management

5(a) Agency Activities

EPA conducts the following activities in connection with the acquisition, analysis, storage, and distribution of the required information.

Agency Activities
Observe initial performance tests.
Review notifications and reports, including performance test reports, and excess emissions reports, required to be submitted by industry.
Audit facility records.
Input, analyze, and maintain data in the Online Tracking Information System (OTIS).

5(b) Collection Methodology and Management

Following notification of startup, the reviewing authority could inspect the source to determine whether the pollution control devices are properly installed and operated. Performance test reports are used by the Agency to discern a source's initial capability to comply with the emission standard. Data and records maintained by the respondents are tabulated and published for use in compliance and enforcement programs. The semiannual reports are used for problem identification, as a check on source operation and maintenance, and for compliance determinations.

Information contained in the reports is entered into OTIS which is operated and maintained by EPA's Office of Compliance. OTIS is EPA's database for the collection, maintenance, and retrieval of compliance data for approximately 125,000 industrial and government-owned facilities. EPA uses the OTIS for tracking air pollution compliance and enforcement by local and state regulatory agencies, EPA regional offices and EPA headquarters. EPA and its delegated Authorities can edit, store, retrieve and analyze the data.

The records required by this regulation must be retained by the owner/operator for two years.

5(c) Small Entity Flexibility

There are no small entities (i.e., small businesses) affected by this regulation.

5(d) Collection Schedule

The specific frequency for each information collection activity within this request is shown in below Table 1: Annual Respondent Burden and Cost – NSPS for Fossil Fuel Fired Steam Generating Units (40 CFR Part 60, Subpart D) (Renewal).

6. Estimating the Burden and Cost of the Collection

Table 1 documents the computation of individual burdens for the recordkeeping and reporting requirements applicable to the industry for the subpart included in this ICR. The individual burdens are expressed under standardized headings believed to be consistent with the concept of burden under the Paperwork Reduction Act. Wherever appropriate, specific tasks and major assumptions have been identified. Responses to this information collection are mandatory.

The Agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number.

6(a) Estimating Respondent Burden

The average annual burden to industry over the next three years from these recordkeeping and reporting requirements is estimated to be 70,777 (Total Labor Hours from Table 1 below). These hours are based on Agency studies and background documents from the development of the regulation, Agency knowledge and experience with the NSPS program, the previously approved ICR, and any comments received.

6(b) Estimating Respondent Costs

(i) Estimating Labor Costs

This ICR uses the following labor rates:

Managerial	\$121.44 (\$57.83+ 110%)
Technical	\$100.23 (\$47.73 + 110%)
Clerical	\$50.51 (\$24.05 + 110%)

These rates are from the United States Department of Labor, Bureau of Labor Statistics, March 2012, “Table 2. Civilian Workers, by occupational and industry group.” The rates are from column 1, “Total compensation.” The rates have been increased by 110 percent to account for the benefit packages available to those employed by private industry.

(ii) Estimating Capital/Startup and Operation and Maintenance Costs

The type of industry costs associated with the information collection activities in the subject standards are both labor costs which are addressed elsewhere in this ICR and the costs

associated with continuous monitoring. The capital/startup costs are one-time costs when a facility becomes subject to the regulation. The annual operation and maintenance costs are the ongoing costs to maintain the monitor(s) and other costs such as photocopying and postage.

(iii) Capital/Startup vs. Operation and Maintenance (O&M) Costs

Capital/Startup vs. Operation and Maintenance (O&M) Costs						
(A) Continuous Monitoring Device	(B) Capital/Startup Cost for One Respondent	(C) Number of New Respondents	(D) Total Capital/Startup Cost, (B X C)	(E) Annual O&M Costs for One Respondent	(F) Number of Respondents with O&M	(G) Total O&M, (E X F)
SO ₂ , PM, and NO _x	\$200,000	0	\$0	\$15,000	660	\$9,900,000

The total capital/startup costs for this ICR are \$0. This is the total of column D in the above table.

The total operation and maintenance (O&M) costs for this ICR are \$9,900,000. This is the total of column G.

The average annual cost for both capital/startup and operation and maintenance costs to industry over the next three years of the ICR is estimated to be \$9,900,000. These are the recordkeeping costs.

6(c) Estimating Agency Burden and Cost

The only costs to the Agency are those costs associated with analysis of the reported information. EPA's overall compliance and enforcement program includes activities such as the examination of records maintained by the respondents, periodic inspection of sources of emissions, and the publication and distribution of collected information.

The average annual Agency cost during the three years of the ICR is estimated to be \$89,138.

This cost is based on the average hourly labor rate as follows:

Managerial	\$62.27 (GS-13, Step 5, \$38.92 + 60%)
Technical	\$46.21 (GS-12, Step 1, \$28.88 + 60%)
Clerical	\$25.01 (GS-6, Step 3, \$15.63 + 60%)

These rates are from the Office of Personnel Management (OPM), 2012 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. Details upon which this estimate is

based appear below in Table 2: Average Annual EPA Burden and Cost – NSPS for Fossil Fuel Fired Steam Generating Units (40 CFR Part 60, Subpart D) (Renewal).

6(d) Estimating the Respondent Universe and Total Burden and Costs

Based on our research for this ICR, on average over the next three years, approximately 660 existing respondents will be subject to the standards. It is estimated that no additional respondents per year will become subject. This is because electric utility boilers constructed after September 1978 are subject to subpart Da, while industrial, commercial, and institutional boilers constructed after June 19, 1986 are subject to subpart Db. Therefore, there have been no new subpart D units since 1986; and new units are not expected in the future. The overall average number of respondents, as shown in the table below is 660 per year.

The number of respondents is calculated using the following table that addresses the three years covered by this ICR.

Number of Respondents					
Year	(A) Number of New Respondents ¹	(B) Number of Existing Respondents	(C) Number of Existing Respondents that keep records but do not submit reports	(D) Number of Existing Respondents That Are Also New Respondents	(E) Number of Respondents (E=A+B+C-D)
1	0	660	0	0	660
2	0	660	0	0	660
3	0	660	0	0	660
Average	0	660	0	0	660

¹ New respondent include sources with constructed, reconstructed and modified affected facilities.

Column D is subtracted to avoid double-counting respondents. As shown above, the average Number of Respondents over the three year period of this ICR is 660.

The total number of annual responses per year is calculated using the following table:

Total Annual Responses				
(A) Information Collection Activity	(B) Number of Respondents	(C) Number of Responses	(D) Number of Existing Respondents That Keep Records But Do Not Submit Reports	(E) Total Annual Responses E=(BxC)+D
Semiannual Report	660	2	N/A	1,320
			Total	1,320

The number of Total Annual Responses is 1,320.

The total annual labor costs are \$6,853,220. Details regarding these estimates may be found below in Table 1: Annual Respondent Burden and Cost – NSPS for Fossil Fuel Fired Steam Generating Units (40 CFR Part 60, Subpart D) (Renewal).

6(e) Bottom Line Burden Hours and Cost Tables

The detailed bottom line burden hours and cost calculations for the respondents and the Agency are shown in Tables 1 and 2, respectively, and summarized below.

(i) Respondent Tally

The total annual labor hours are 70,777 at a cost of \$6,853,220. Details regarding these estimates may be found below in Table 1: Annual Respondent Burden and Cost – NSPS for Fossil Fuel Fired Steam Generating Units (40 CFR Part 60, Subpart D) (Renewal).

Furthermore, the annual public reporting and recordkeeping burden for this collection of information is estimated to average 54 hours per response.

The total annual capital/startup and O&M costs to the regulated entity are \$9,900,000. The cost calculations are detailed in Section 6(b)(iii), Capital/Startup vs. Operation and Maintenance (O&M) Costs.

(ii) The Agency Tally

The average annual Agency burden and cost over next three years is estimated to be 1,978 labor hours at a cost of \$89,138. See below Table 2: Average Annual EPA Burden and Cost – NSPS for Fossil Fuel Fired Steam Generating Units (40 CFR Part 60, Subpart D) (Renewal).

6(f) Reasons for Change in Burden

There is an increase in respondent burden from the most recently approved ICR due to an

adjustment of respondent labor hours. The previous ICR assumed that labor hours accounted for all technical, managerial, and clerical hours. To be consistent with the estimation methodology used in other ICRs, this ICR assumes that labor hours account for technical hours only. Clerical and managerial hours require additional time, and equal 10 and 5 percent of technical hours, respectively. This ICR updates these labor hours and their associated labor rates, resulting in an increase to total labor cost.

There is a decrease in Agency burden from the most recently approved ICR. This situation is due to adjustments to the number of respondents and to the frequency of the Agency's review of sulfur dioxide compliance reports. The previous ICR estimated an Agency burden for 732 respondents, which was inconsistent with its estimate of respondent universe of 660 sources. This ICR adjusts the number of respondents so that it is consistent with the estimated number of respondents (i.e., 660). Also, the previous ICR assumed quarterly review of sulfur dioxide compliance reports. This situation is inconsistent with subpart D reporting requirements, and resulted in an estimated number of annual responses that was inconsistent with the previous ICR's estimate of 1,320 responses per year. This ICR corrects the review frequency associated with sulfur dioxide compliance reports from quarterly to semiannually, such that it is consistent with the estimated number of annual responses (i.e., 1,320).

6(g) Burden Statement

The annual public reporting and recordkeeping burden for this collection of information is estimated to average 54 hours per response. Burden means the total time, effort, or financial resources expended by persons to generate, maintain, retain, or disclose or provide information to or for a Federal agency. This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to a collection of information; search data sources; complete and review the collection of information; and transmit or otherwise disclose the information.

An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB Control Number. The OMB Control Numbers for EPA regulations are listed at 40 CFR part 9 and 48 CFR chapter 15.

To comment on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including the use of automated collection techniques, EPA has established a public docket for this ICR under Docket ID Number EPA-HQ-OECA-2012-0497. An electronic version of the public docket is available at <http://www.regulations.gov/> which may be used to obtain a copy of the draft collection of information, submit or view public comments, access the index listing of the contents of the docket, and to access those documents in the public docket that are available electronically. When in the system, select "search," then key in the docket ID number identified in this document. The documents are also available for public viewing at the Enforcement and

Compliance Docket and Information Center in the EPA Docket Center (EPA/DC), EPA West, Room 3334, 1301 Constitution Ave., NW, Washington, DC. The EPA Docket Center Public Reading Room is open from 8:30 a.m. to 4:30 p.m., Monday through Friday, excluding legal holidays. The telephone number for the Reading Room is (202) 566-1744, and the telephone number for the docket center is (202) 566-1752. Also, you can send comments to the Office of Information and Regulatory Affairs, Office of Management and Budget, 725 17th Street, NW, Washington, DC 20503, Attention: Desk Officer for EPA. Please include the EPA Docket ID Number EPA-HQ-OECA-2012-0497 and OMB Control Number 2060-0026 in any correspondence.

Part B of the Supporting Statement

This part is not applicable because no statistical methods were used in collecting this information.

Table 1: Annual Respondent Burden and Cost –NSPS for Fossil Fuel Fired Steam Generating Units (40 CFR Part 60, Subpart D) (Renewal)

Burden Item	A Person hours per occurrence	B Number of occurrences per respondent per year	C Person hours per respondent per year (C=AxB)	D Respondents per year ^a	E Technical person- hours per year (E=CxD)	F Management person hours per year (Ex0.05)	G Clerical person hours per year (Ex0.1)	H Total costs per year (\$)^b
1. Applications	N/A							
2. Survey and Studies	N/A							
3. Reporting Requirements								
A. Read instructions ^c	N/A							
B. Required activities								
Initial performance test ^c	N/A							
C. Create information ^c	N/A							
D. Gather Existing Information	Included in 3E							
E. Write report								
Notification of construction/ reconstruction ^c	N/A							
Notification of anticipated/actual startup ^c	N/A							
Notify of emission test ^c	N/A							
Report of initial emission test ^c	N/A							
Excess emissions report ^d	1	2	2	660	1,320	66	132	\$146,985.96
Subtotal Reporting Requirements					1,518			
4. Recordkeeping Requirements								
A. Read instructions	Included in 3A							
B. Plan activities	Included in 4C							
C. Implement activities	Included in 3B							
D. Develop record system	N/A							

Burden Item	A Person hours per occurrence	B Number of occurrences per respondent per year	C Person hours per respondent per year (C=AxB)	D Respondents per year ^a	E Technical person- hours per year (E=CxD)	F Management person hours per year (Ex0.05)	G Clerical person hours per year (Ex0.1)	H Total costs per year (\$)^b
E. Time to check computer system and calibrate continuous monitors ^e	0.25	365	91.25	660	60,225	3,011.25	6,022.5	\$6,706,234.43
F. Time to Train Personnel	N/A							
G. Time For Audits	N/A							
Subtotal Recordkeeping Requirements					69,258.75			
TOTAL LABOR BURDEN AND COST (rounded)					70,777			\$6,853,220

Note: Subpart D was most recently amended on January 20, 2011. The regulations included alternate testing and monitoring methods, but no additional recordkeeping or reporting requirements were added. The amendment revised testing requirements for owners/operators of steam generating units that elect to install particulate matter continuous emissions monitoring systems, and revised the opacity monitoring requirements for owners/operators subject to an opacity standard that are exempt from the requirement to install a continuous opacity monitoring system.

Assumptions:

- ^a. We have assumed that the average number of respondents that will be subject to the rule will be 660. There will be no additional new sources that will become subject to the rule over the three-year period of this ICR.
- ^b. This ICR uses the following labor rates: Managerial \$121.44 (\$57.83+ 110%); Technical \$100.23 (\$47.73 + 110%); and Clerical \$50.51 (\$24.05 + 110%). These rates are from the United States Department of Labor, Bureau of Labor Statistics, March 2012, "Table 2. Civilian Workers, by occupational and industry group." The rates are from column 1, "Total compensation." The rates have been increased by 110 percent to account for the benefit packages available to those employed by private industry. This ICR assumes that Managerial hours are 5% of Technical hours, and Clerical hours are 10% of Technical hours.
- ^c. There have been no new subpart D units since 1986, and new units are not expected over the three-year period of this ICR; therefore, this burden item is not applicable.
- ^d. We assume that each source will submit a semiannual report due to excess emission and monitoring systems performance over the three-year period.
- ^e. We assume that respondents conduct this activity on a daily basis, and that plant operations occur 365 days per year.

Table 2: Average Annual EPA Burden and Cost – NSPS for Fossil Fuel Fired Steam Generating Units (40 CFR Part 60, Subpart D) (Renewal)

Burden Item	A EPA Hours per Occurrence	B Number of occurrences per plant per year	C EPA Person hour per year (A x B)	D Plants per year ^a	E Technical hours per year (E = CxD)	F Management hours per year (F = Ex0.05)	G Clerical hours per year (G= Ex0.10)	H Total cost per year (\$)^b
Report Review								
Notification of construction	N/A							
Notification of anticipated startup	N/A							
Notification of actual startup	N/A							
Notification of Initial Test								
Sulfur dioxide ^c	N/A							
Particulate matter ^c	N/A							
Nitrogen oxides ^c	N/A							
Review Initial Test Results								
Sulfur dioxide ^c	N/A							
Particulate matter ^c	N/A							
Nitrogen oxides ^c	N/A							
Review Notification of CMS Demonstration								
Sulfur dioxide ^c	N/A							
Particulate matter ^c	N/A							
Nitrogen oxides ^c	N/A							
Review CMS Performance Demonstration								
Sulfur dioxide ^c	N/A							
Particulate matter ^c	N/A							
Nitrogen oxides	N/A							
Review excess emission reports ^d	1	2	2	460	920	46	92	\$47,678.54

Burden Item	A EPA Hours per Occurrence	B Number of occurrences per plant per year	C EPA Person hour per year (A x B)	D Plants per year ^a	E Technical hours per year (E = CxD)	F Management hours per year (F = Ex0.05)	G Clerical hours per year (G= Ex0.10)	H Total cost per year (\$)^b
Review sulfur dioxide compliance reports ^{d, e}								
Coal-Fired units	2	2	4	133	532	26.6	53.2	\$27,570.63
Oil-Fired units	2	2	4	67	268	13.4	26.8	\$13,888.97
Travel expenses	N/A							
TOTAL ANNUAL BURDEN AND COST (rounded)						1,978		\$89,138

Assumptions:

^{a.} We have assumed that the average number of respondents that will be subject to the rule will be 660. There will be no additional new sources that will become subject to the rule over the three-year period of this ICR.

^{b.} This ICR uses the following labor rates: Managerial \$62.27 (GS-13, Step 5, \$38.92 + 60%); Technical \$46.21 (GS-12, Step 1, \$28.88 + 60%); and Clerical \$25.01 (GS-6, Step 3, \$15.63 + 60%). These rates are from the Office of Personnel Management (OPM), 2012 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. This ICR assumes that Managerial hours are 5 percent of Technical hours, and Clerical hours are 10 percent of Technical hours.

^{c.} There have been no new subpart D units since 1986, and new units are not expected over the three-year period of this ICR; therefore, this burden item is not applicable.

^{d.} We assume that approximately 70 percent of the sources monitor via CEM and that approximately 30 percent use fuel sampling and analysis.

^{e.} Units using fuel sampling and analysis submit sulfur dioxide compliance reports instead of excess emission reports, which are based on CEM data. The figures used in this category are based on research performed during regulation revision.