

**SUPPORTING STATEMENT  
ENVIRONMENTAL PROTECTION AGENCY**

**NSPS for Asphalt Processing and Roofing Manufacture (40 CFR Part 60, Subpart UU)  
(Renewal)**

**1. Identification of the Information Collection**

**1(a) Title of the Information Collection**

NSPS for Asphalt Processing and Roofing Manufacture (40 CFR Part 60, Subpart UU)  
(Renewal)  
EPA ICR Number 0661.10, OMB Control Number 2060-0002

**1(b) Short Characterization/Abstract**

The New Source Performance Standards (NSPS) for Asphalt Processing and Asphalt Roofing Manufacture were proposed on November 18, 1980, amended on May 26, 1981, and promulgated on August 6, 1982. These standards apply to each saturator and each asphalt storage facility at asphalt roofing plants; and to each asphalt storage tank and each blowing still at asphalt processing plants, petroleum refineries, and asphalt roofing plants. New facilities include those that commenced construction, modification, or reconstruction after the date of proposal. This information is being collected to assure compliance with 40 CFR part 60, subpart UU.

In general, all NSPS standards require initial notifications, performance tests, and periodic reports. Owners or operators 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 sources subject to NSPS.

Any owner or 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. Reports to the regulatory authority are made semiannually. 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 United States Environmental Protection Agency (EPA) regional office.

Based on our consultations with industry representatives, it was determined that there is an average of four affected facilities at each plant site, and that each plant site has only one respondent (i.e., the owner/operator of the plant site).

Over the next three years, an average of 144 facilities per year will be subject to the standard, and it is estimated that two additional sources will undergo reconstruction and become new sources subject to the regulation each year over the next three years.

There are approximately 144 asphalt processing and roofing manufacture plants in the United States, all of which are privately owned and operated for-profit businesses. None of the 144 facilities in the United States are owned by either state, local, tribal or the Federal government. The recordkeeping and reporting burden to the “Affected Public” is shown below in Table 1: Annual Respondent Burden and Cost - NSPS for Asphalt Processing and Roofing Manufacture (40 CFR Part 60, Subpart UU) (Renewal). The burden to the Federal government to review the submitted reports is also shown below in Table 2: Average Annual EPA Burden - NSPS for Asphalt Processing and Roofing Manufacture (40 CFR Part 60, Subpart UU) (Renewal).

The Office of Management and Budget (OMB) approved the currently active Information Collection Request (ICR) without any “Terms of Clearance.”

## **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 or 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, particulate matter emissions from asphalt processing and roofing manufacture cause or contribute to air pollution that may reasonably be anticipated to endanger public health or welfare. Therefore, the NSPS was promulgated for this source category at 40 CFR part 60, subpart UU.

### **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. Continuous emission monitors are used to ensure compliance with the standard at all times. During the performance tests, a record of the operating parameters under which compliance was achieved may be recorded and used to determine compliance in place of a continuous emission monitor.

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 ensure that the pollution control devices are properly installed and operated, that leaks are being detected and repaired, and that 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 UU.

### **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 their 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, no duplication exists.

### **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 (75 FR 30812) on June 2, 2010. No comments were received on the burden published in the Federal Register.

**3(c) Consultations** We anticipate that over the next three years, an average of 144 facilities per year will be subject to the standard, with two existing sources undergoing reconstruction each year over the next three years. In estimating the affected number of sources and the growth rate of asphalt processing and roofing manufacture subject to this standard, EPA contacted Mr. James Baker, Asphalt Roofing Manufacturers Association (ARMA), (202) 207-0917, Mr. Robert Adler, Energy Information Administration (EIA), (202) 586-1134, and Mr. Earl Arp, Asphalt Institute, (859) 288-4960. We referenced the most recent data available. We reviewed information available from the Online Tracking Information System (OTIS) which is the primary source of information regarding the number of existing sources. OTIS data was used in conjunction with industry consultation to verify the number of sources and the industry growth rate.

### **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.

### **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**

None of the reporting or recordkeeping requirements contain sensitive questions.

## **4. The Respondents and the Information Requested**

### **4(a) Respondents/SIC Codes**

The respondents to the recordkeeping and reporting requirements are asphalt processing

and roofing manufacture facilities. The United States Standard Industrial Classification (SIC) codes which correspond to the North American Industry Classification System (NAICS) codes could be found in the following table:

<b>40 CFR part 60, subpart UU</b>	<b>SIC Codes</b>	<b>NAICS Codes</b>
Petroleum Refineries	2911	324110
Asphalt Paving Mixtures and Block Manufacturing	2951	324121
Asphalt Felts and Coatings	2952	324122

#### **4(b) Information Requested**

None of these reporting or recordkeeping requirements violate any of the regulations established by OMB at 5 CFR part 1320, section 1320.5.

##### **(i) Data Items**

In this ICR, all the data recorded or reported is required by the New Source Performance Standards for Asphalt Processing and Roofing Manufacture (40 CFR part 60, subpart UU).

A source must make the following reports:

<b>Notifications</b>	
Notification of construction/reconstruction	60.7(a)(1)
Notification of actual startup date	60.7(a)(3)
Notification of physical or operational change which may increase the emission rate	60.7(a)(4)
Notification of demonstration of continuous monitoring system	60.7(a)(5)
Notification of initial performance test	60.8(d)
Report of initial performance test	60.8(c)

A source must keep the following records:

<b>Recordkeeping</b>	
Startup, shutdown, malfunctions, periods where the continuous monitoring system is inoperative	60.7(b)
Operating temperature measurements of pollution control devices as appropriate, and the initial performance test results including temperature measurements	60.7(d)
Continuously monitor and record the temperature of the gas at the inlet of the control device	60.473(a)

<b>Recordkeeping</b>	
Continuously monitor and record the temperature in the combustion zone of the afterburner	60.472(b)(1)
For control devices not mentioned in paragraphs (a) and (b) of this section, describing the operation of the control device and the process parameter(s)	60.473(c)
Records are required to be retained 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.

<b>Respondent Activities</b>
Read instructions.
Install, calibrate, maintain, and operate temperature monitoring device.
Enter information required to be recorded above.
Perform initial performance test, Reference Methods 5A, 9, 22 and repeat performance tests if necessary.
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 processing and maintaining 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 equipment that provides parameter data in an automated way e.g., 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.

<b>Agency Activities</b>
Observe initial performance tests and repeat performance tests if necessary.
Review notifications and reports, including performance test reports, 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 might inspect the source to determine whether the pollution control devices are properly installed and operational. Performance test reports are used by the Agency to discern a source's initial capability to comply with the emission standard, and note the operating conditions under which compliance was achieved. 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 the EPA Office of Compliance. OTIS is an EPA database for the collection, maintenance, and retrieval of compliance data for approximately 125,000 industrial and government-owned facilities. EPA uses 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 or operator for two years.

### 5(c) Small Entity Flexibility

The majority of the respondents are large entities (i.e., large businesses). However, the impact on small entities (i.e., small businesses) was taken into consideration during the development of the regulation. Due to technical considerations involving the process operations and the types of control equipment employed, the recordkeeping and reporting requirements are the same for both small and large entities. The Agency considers these to be the minimum requirements needed to ensure compliance and, therefore, cannot reduce them further for small

entities. To the extent that larger businesses can use economies of scale to reduce their burden, the overall burden will be reduced.**5(d) Collection Schedule**

The specific frequency for each information collection activity within this request is shown below in Table 1: Annual Respondent Burden, NSPS for Asphalt Processing and Roofing Manufacture (40 CFR Part 60, Subpart UU) (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 33,912 (Total Labor Hours from Table 1). 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	\$107.63 (\$51.25 + 110%)
Technical	\$93.41 (\$44.48 + 110%)
Clerical	\$45.87 (\$21.84 + 110%)

These rates are from the United States Department of Labor, Bureau of Labor Statistics, March 2007, 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 only costs to the regulated industry resulting from information collection activities required by the subject standard are labor costs. The type of industry costs associated with the information collection activities in the subject standard 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 and other costs such as photocopying and postage.

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

<b>Capital/Startup vs. Operation and Maintenance (O&amp;M) Costs</b>						
(A) Continuous Monitoring Device	(B) Capital/Startup Cost for One Respondent <sup>1</sup>	(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)
Temperature Monitors	\$100,000	2	\$200,000	\$35,000	144	\$5,040,000

The total capital/startup costs for this ICR are \$200,000. This is the total of column D in the above table.

The total operation and maintenance (O&M) costs for this ICR are \$5,040,000. This is the total of column G.

The average annual cost for capital/startup and operation and maintenance costs to industry over the next three years of the ICR is estimated to be \$5,240,000.

**6(c) Estimating Agency Burden and Cost**

The only costs to the Agency are those costs associated with analysis of the reported information. The EPA 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 \$115,644.

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

Managerial	\$58.18 (GS-13, Step 5, \$36.36 + 60%)
Technical	\$43.17 (GS-12, Step 1, \$26.98 + 60%)
Clerical	\$23.36 (GS-6, Step 3, \$14.60 + 60%)

These rates are from the Office of Personnel Management (OPM) 2007 General Schedule which excludes locality rates of pay. Details upon which this estimate is based appear below in Table 2: Average Annual EPA Burden and Cost - NSPS for Asphalt Processing and Roofing Manufacture (40 CFR Part 60, Subpart UU) (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 144 existing respondents will be subject to the standard. It is estimated that two additional respondent will become subject over the next three years.

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

<b>Number of Respondents</b>					
Year	(A) Number of <sup>1</sup> New Respondents	(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	2	144	0	2	144
2	2	144	0	2	144
3	2	144	0	2	144
Average	2	144	0	2	144

<sup>1</sup> New respondent include sources with constructed, reconstructed, and modified affected facilities. In this standard existing respondents submit initial notifications.

To avoid double-counting respondents, column D is subtracted. As shown above, the average Number of Respondents over the three-year period of this ICR is 144.

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

<b>Total Annual Responses</b>				
(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
Notification and application of construction/ reconstruction	2	1	n/a	2
Notification of actual startup	2	1	n/a	2
Notification of physical or operational change which may increase the emission rate	2	1	n/a	2
Notification of demonstration of continuous monitoring system.	2	1	n/a	2
Notification of initial performance test	2	1	n/a	2
Report of initial performance test	2	1	n/a	2
Semiannual reports	144	2	n/a	288
			Total	300

The number of total respondents is 144.

The number of Total Annual Responses is 300. This is the number in column E of the Respondent Universe and Number of Responses per year in table above.

The total annual labor costs are \$3,446,825. Details regarding these estimates may be found below in Table 1: Annual Respondent Burden and Cost- NSPS for Asphalt Processing and Roofing Manufacture (40 CFR Part 60, Subpart UU) (Renewal).

### **6(e) Bottom Line Burden Hours 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 costs are \$3,446,825. Details regarding these estimates may be found below in Table 1: Annual Respondent Burden and Cost - NSPS for Asphalt Processing and Roofing Manufacture (40 CFR Part 60, Subpart UU) (Renewal). Furthermore, the annual public reporting and recordkeeping burden for this collection of information is estimated to average 113 hours per response.

The total annual capital/startup and O&M cost to the regulated entity are \$5,240,000.

#### **(ii) The Agency Tally**

The average annual Agency burden and cost over next three years is estimated to be 2,747 labor hours at a cost of \$115,644. See below Table 2: Average Annual EPA Burden and Cost - NSPS for Asphalt Processing and Roofing Manufacture (40 CFR part 60, subpart UU) (Renewal).

### **6(f) Reasons for Change in Burden**

There is no change in the labor hours or cost to the respondents in this ICR compared to the previous ICR. This is due to two considerations: 1) the regulations have not changed over the past three years and are not anticipated to change over the next three years; and 2) the growth rate for the respondents is very low, negative, or non-existent. Therefore, the labor hours and cost figures in the previous ICR reflect the current burden to the respondents and are reiterated in this ICR.

### **6(g) Burden Statement**

The annual public reporting and recordkeeping burden for this collection of information is estimated to average 113 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-2010-0356. 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 Avenue N.W., Washington, D.C. 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 N.W., Washington, D.C. 20503, Attention: Desk Officer for EPA. Please include the EPA Docket ID Number EPA-HQ-OECA-2010-0356 and OMB Control Number 2060-0002 in any correspondence.

### **Part B of the Supporting Statement**

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



Burden item	(A) Person- hours per occurrence	(B) No. of occurrences per respondent per year	(C) Person- hours per respondent per year (C=AxB)	(D) Respondents per year <sup>a</sup>	(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) Cost (\$) <sup>b</sup>
Records of daily production rate and hours of operation <sup>h</sup>	0.13	250	32.5	144	4,680	234	468	\$547,033.50
Records of operating parameters of CMS <sup>i</sup>	0.25	250	62.5	144	9,000	450	900	\$1,051,987.50
Records of startup, shutdown, and malfunctions <sup>j</sup>	60	1	60	144	8,640	432	864	\$1,009,908.00
F. Train personnel	N/A							
G. Audits	N/A							
Recordkeeping Subtotal					25,668			
Combined Subtotals					29,488.4	1,474.42	2,948.84	\$3,446,825.35
<b>TOTAL ANNUAL BURDEN AND COST (rounded)</b>						33,912		\$3,446,825

Assumptions:

<sup>a</sup> We have assumed that the average number of respondents that are subject to the regulation will be 144 with two source undergoing reconstruction per year over the three-year period of this ICR.

<sup>b</sup> This ICR uses the following labor rates: \$107.63 per hour for Executive, Administrative, and Managerial labor; \$93.41 per hour for Technical labor, and \$45.87 per hour for Clerical labor. These rates are from the United States Department of Labor, Bureau of Labor Statistics, March 2007, "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.

<sup>c</sup> We have assumed that it will take 72 hours of each respondent to perform initial performance test.

<sup>d</sup> We have assumed that 20 percent of respondents will fail the performance test and will have to repeat it.

<sup>e</sup> We have assumed that each respondent will take two hours to write notification of construction/reconstruction report.

<sup>f</sup> We have assumed that each respondent will take 40 hours to write notification and demonstration of CMS report.

<sup>g</sup> We have assumed that each respondent will take 2 hours to write notification of physical or operational change.

<sup>h</sup> We have assumed that each respondent will enter information of daily production rate and hours of operation 250 times per year.

<sup>i</sup> We have assumed that each respondent will take 15 minutes 250 times per year to record the operating parameters of CMS.

<sup>j</sup> We have assumed that each respondent will take 60 hours to record startup, shutdown, and malfunction information.

**Table 2: Average Annual EPA Burden and Cost – NSPS for Asphalt Processing and Roofing Manufacture (40 CFR Part 60, Subpart UU) (Renewal)**

Activity	(A) EPA person- hours per occurrence	(B) No. of occurrences per plant per year	(C) EPA person- hours per plant per year (C=AxB)	(D) Plants per year <sup>a</sup>	(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) Cost (\$) <sup>b</sup>
Initial performance tests								
New or modified facility <sup>c</sup>	24	1	24	2	48	2.4	4.8	\$2,323.92
Repeat performance test								
New or modified facility <sup>d</sup>	24	0.2	4.8	2	9.6	0.48	0.96	\$464.79
Report review								
New or modified facility								
Notification of construction/ reconstruction <sup>e</sup>	2	1	2	2	4	0.2	0.4	\$193.66
Notification of physical/operational changes <sup>f</sup>	2	1	2	2	4	0.2	0.4	\$193.66
Notification of actual startup	0.5	1	0.5	2	1	0.05	0.1	\$48.42
Notification of performance test	0.5	1	0.5	2	1	0.05	0.1	\$48.42
Review of performance test results <sup>g</sup>	8	1	8	2	16	0.8	1.6	\$774.64
Notification of demonstration of CMS	0.5	1	0.5	2	1	0.05	0.1	\$48.42
Semiannual reports	8	2	16	144	2,304	115.2	230.4	\$111,548.16
<b>TOTAL ANNUAL BURDEN AND COST (rounded)</b>						2,747		\$115,644

Assumptions:

<sup>a</sup> We have assumed that the average number of respondents will be 144 with two source undergoing reconstruction per year over the three-year period of this ICR.

<sup>b</sup> The cost is based on the following labor rate which incorporates a 1.6 benefits multiplication factor to account for government overhead expenses. Managerial rates of \$58.18 (GS-13, Step 5, \$36.36x1.6), Technical rate of \$43.17 (GS-12, Step 1, \$26.95 x 1.6), and Clerical rate of \$23.36 (GS-6, Step 3, \$14.60 x 1.6). These rates are from the Office of Personnel Management (OPM) “2007 General Schedule” which excludes locality rates of pay.

<sup>c</sup> We have assumed that it will take 24 hours of each respondent to perform initial performance test.

<sup>d</sup> We have assumed that 20 percent of respondents will fail the performance test and will have to repeat it.

<sup>e</sup> We have assumed that it will take each respondent two hours one-time per year to review notification of construction/reconstruction report.

<sup>f</sup> We have assumed that it will take each respondent two hours one-time per year to review notification of physical/operation changes.

<sup>g</sup> We have assumed that it will take each respondents eight hours to one-time per year to review the performance test results report.

