

**SUPPORTING STATEMENT  
ENVIRONMENTAL PROTECTION AGENCY**

**NESHAP for Benzene Emissions from Benzene Storage Vessels and Coke By-Product Recovery Plants (40 CFR Part 61, Subpart L) (Renewal)**

**1. Identification of the Information Collection**

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

NESHAP for Benzene Emissions from Benzene Storage Vessels and Coke By-Product Recovery Plants (40 CFR part 61, subpart L) (Renewal), EPA ICR Number 1080.13, OMB Control Number 2060-0185

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

The National Emission Standards for Hazardous Air Pollutants (NESHAP) for Benzene Emissions from Benzene Storage Vessels and Coke By-Product Recovery Plants (40 CFR part 61, subpart L) were promulgated on December 15, 1989, amended on February 12, 1999, and October 17, 2000, and apply to benzene emissions from both benzene storage vessels and coke by-product recovery plants. These regulations apply to existing facilities and new facilities that are furnace or foundry coke by-product recovery plants that produce benzene emissions. New facilities include those that commenced construction, modification, or reconstruction after the date of these rules. These regulations were revised on September 19, 1991, to allow for the use of carbon adsorbers and vapor incinerators as alternative means of complying with the standards for process vessels, storage tanks, and tar-intercepting sumps. The use of carbon adsorbers and vapors incinerators, instead of gas blanketing, the control technology on which the standards were originally based, was made optional by the 1991 revision. These regulations were further amended on February 12, 1999 to: 1) eliminate certain quarterly reporting obligations; 2) require, for each carbon adsorber, a plan to handle benzene and removed carbon in accordance with the regulations; and 3) specify reporting of the monitoring method chosen for each vapor incinerator. Information under this Information Collection Request (ICR) is being collected to assure compliance with 40 CFR part 61, subpart L.

In general, all NESHAP standards require owners or operators of the affected facilities to submit one-time-only notifications including: notification of any physical or operational change to an existing facility which may increase the regulated pollutant emission rate; notification of the initial performance test, including information necessary to determine the conditions of the performance test; and performance test measurements and results. 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 NESHAP.

Any owner or operator subject to the provisions of this part will maintain a file of these measurements, and retain the file for at least five 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 United States Environmental Protection Agency (EPA) regional office.

Over the next three years, an average of 17 sources per year will be subject to the standard, and it is estimated that no additional sources will become subject to the regulation in the next three years.

In the United States, there are approximately 17 benzene emissions from coke by-product recovery plants which are owned and operated by the benzene emissions from coke by-product recovery industry. None of these 17 facilities are owned by state, local, tribal, or the Federal government. They are owned and operated by privately owned for-profit businesses. The burden to the “Affected Public” may be found below in Table 1: Annual Respondent Burden and Cost - NESHAP for Benzene Emissions from Benzene Storage Vessels and Coke By-Product Recovery Plants (40 CFR Part 61, Subpart L) (Renewal). The burden to the Federal government is attributed entirely to work performed by Federal employees or government contractors and may be found below in Table 2: Average Annual EPA Burden - Benzene Emissions from Benzene Storage Vessels and Coke By-Product Recovery Plants (40 CFR Part 61, Subpart L) (Renewal).

The Office of Management and Budget (OMB) approved the currently active ICR with the following terms of “Terms of Clearance”:

As part of its submission, EPA should verify that the wage rates referenced in sections 6(b) and 6(c) of the supporting statement have been updated to current values and properly loaded to include overhead, consistent with current EPA and OMB guidelines.

The EPA has addressed these terms of clearance for this ICR by using the most recent wage rates in Sections 6(b) and 6(c) of the supporting statement and properly loading the rates to include overhead, consistent with current EPA and OMB guidelines.

## **2. Need for and Use of the Collection**

### **2(a) Need/Authority for the Collection**

The EPA is charged under section 112 of the Clean Air Act, as amended, to establish standards of performance for each category or subcategory of major sources and area sources of hazardous air pollutants (HAP). These standards are applicable to new or existing sources of HAP and shall require the maximum degree of emission reduction. 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, benzene emissions from furnace and foundry coke by-product recovery plants either cause or contribute to air pollution that may reasonably be anticipated to endanger public health or welfare. Therefore, the NESHAP was promulgated for this source category at 40 CFR part 61, subpart L.

### **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 standards are being met. The performance test may also be observed.

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

The requested recordkeeping and reporting are required under 40 CFR part 61, subpart L.

### **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**

During previous renewals, the Agency industry experts have been consulted, and the Agency 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. The growth rate for the industry is based on our consultations with the Agency internal industry experts. Approximately 17 respondents will be subject to the standard over the three-year period covered by this ICR.

Industry trade associations and other interested parties were provided an opportunity to comment on the burden associated with the standard as it was being developed, and the standard has been previously reviewed to determine the minimum information needed for compliance purposes.

### **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**

None of these reporting or recordkeeping requirements violate any of the regulations established by OMB at 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**

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 benzene emissions from coke by-product recovery plants. The United States Standard Industrial Classification (SIC) codes which correspond to the North American Industry Classification System (NAICS) codes are found in the following table:

<b>40 CFR part 61, subpart L</b>	<b>SIC Codes</b>	<b>NAICS Codes</b>
Coke Plants at Integrated Iron and Steel Facilities	3312	331111
Coke Plants Not at Integrated Iron and Steel Facilities	3312	324199

### **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; 40 CFR part 61, subpart V; and 40 CFR part 61, subpart A.

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

In this ICR, all the data recorded or reported is required by National Emission Standards for Hazardous Air Pollutants for Benzene Emissions from Coke By-Product Recovery Plants (40 CFR part 61, subpart L).

A source must make the following reports:

<b>Notifications</b>	
Notification and application of construction, reconstruction or modification	61.06, 61.07, and 61.138(i)
Notification of anticipated date of initial startup	61.09(a)(1)
Notification of actual startup	61.09(a)(2)
Notification of performance tests	61.13(f) and 61.14(c)
Notification of physical or operational change which may increase the emission rate	61.15, and 61.10

<b>Notifications</b>	
Notification of implementation of equipment leakage requirements	61.138(e)
Notification that the requirements of 40 CFR part 61, subpart L and 40 CFR part 61, subpart V have been met	61.138(e)
Notification of intent to elect to comply with the requirements at 40 CFR section 61.243 at least 90 days before implementation	61.138(h)
Performance test reports	61.13
Excess emissions reports	61.14
Reporting requirements of an owner or operator of any piece of equipment subject to NESHAP subpart V	61.247
Semiannual general and maintenance inspection reports	61.138(f)
Semiannual reports of excess emission (alternative control options)	61.139(j)(2)

A source must keep the following records:

<b>Recordkeeping</b>	
Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of periods where the monitoring system is malfunctioning or inoperative. Records shall be retained for at least two years.	61.14(f)
Maintain records of the design of control equipment installed, including detailed schematics, design specifications, and piping and instrumentation diagrams, and the dates and descriptions of any changes in the design specifications.	61.138(a)
Maintain records of semiannual inspections, annual maintenance inspections, and where applicable, quarterly leak detection inspections.	61.138(b), 61.138(f), and 61.135(d)
Maintain records of leak detection and repair logs for at least two years.	61.138(c) 61.246, and 61.247
Maintain records of the design requirements of closed-vent system and control devices.	61.138(c), 61.246, and 61.247
Maintain records of applicable valve information.	61.138(c), 61.246, and 61.247
Maintain records of design control device and plan operations and corrective action, compliance tests, reference values of monitored parameters, monitoring results and exceedances (alternative control options).	61.139(i)(1-7)
Maintain records of annual furnace and foundry coke production for furnace coke by-product recovery plants for at least two years.	61.138(d)
Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of periods where the monitoring system is malfunctioning or inoperative. Records shall be retained for at least two years.	61.14(f)

<b>Recordkeeping</b>	
Recordkeeping requirements of an owner or operator of any piece of equipment subject to NESHAP subpart V.	61.246

### 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 Continuous Monitoring Systems (CMS) for opacity, or for pressure drop and liquid supply pressure for closed systems, barrier fluid degassing systems, closed-vent systems to a control device, closed-purge systems to a control device, seal systems, and by monitoring equipments to repair.
Perform initial performance test, Reference Method 21 test, and repeat performance tests if necessary.
Write the notification 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 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.

Information contained in the reports is entered into the Air Facility System (AFS) which is operated and maintained by the EPA Office of Compliance. AFS is the EPA database for the collection, maintenance, and retrieval of compliance data for approximately 125,000 industrial and government-owned facilities. EPA uses the AFS 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 five 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 and Cost - NESHAP for Benzene Emissions from Benzene Storage Vessels and Coke By-Product Recovery Plants (40 CFR Part 61, Subpart L) (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 3,137 (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 NESHAP 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	\$116.05 (\$55.26 + 110%)
Technical	\$97.21 (\$46.29 + 110%)
Clerical	\$48.87 (\$23.27 + 110%)

These rates are from the United States Department of Labor, Bureau of Labor Statistics, March 2010, "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. There are no capital/startup or operation and maintenance costs.

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

The only type of industry costs associated with the information collection activity in the regulations is labor costs. There are no capital/startup or operation and maintenance costs.

### 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 \$7,071.

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), 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. Details upon which this estimate is based appear below in Table 2: Average Annual EPA Burden - NESHAP for Benzene Emissions from Benzene Storage Vessels and Coke By-Products Recovery Plants (40 CFR Part 61, Subpart L) (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 17 existing respondents will be subject to the standard. It is estimated that no additional sources per year will become subject. The overall average number of respondents, as shown in the table below is 17 per year.

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

Number of Respondents					
Year	(A) Number of New Respondents <sup>a</sup>	(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	17	0	0	17
2	0	17	0	0	17
3	0	17	0	0	17
Average	0	17	0	0	17

<sup>a</sup> It is estimated that no new sources will become subject to this standard over the next three years.

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 17.

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 $E=(B\times C)+D$
Semiannual emissions report	17	2	n/a	34
TOTAL (rounded)				34

The number of Total Annual Responses is 34

The total annual labor costs are \$294,347. Details regarding these estimates may be found below in Table 1: Annual Respondent Burden and Cost - NESHAP for Benzene Emissions from Benzene Storage Vessels and Coke By-Products Recovery Plants (40 CFR Part 61, Subpart L)(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 \$294,347. Details regarding these estimates may be found below in Table 1: Annual Respondent Burden and Cost - NESHAP for Benzene Emissions from Benzene Storage Vessels and Coke By-Products Recovery Plants (40 CFR Part 61, Subpart L) (Renewal). Furthermore, the annual public reporting and recordkeeping burden for this collection of information is estimated to average 92 hours per response.

There are no annual capital/startup and O&M costs to the regulated entities. 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 157 labor hours at a cost of \$7,071. See below Table 2: Annual Agency Burden - NESHAP for Benzene Emissions from Benzene Storage Vessels and Coke By-Products Recovery Plants (40 CFR Part 61, Subpart L)(Renewal).

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

There is no change in the labor hours, or capital/startup and operation and maintenance costs 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 industry is very low, negative, or non-existent.

It should be noted that the wage rates in this ICR have been updated resulting in an overall increase in the labor cost.

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

The annual public reporting and recordkeeping burden for this collection of information is estimated to average 92 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's 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-2010-0361. 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 content of the docket, and to access those documents in the public docket that are available electronically. When in the system, select "search" than 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, 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 Enforcement and Compliance Docket and Information Center Docket 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, DC 20503, Attention: Desk Officer for EPA. Please include the EPA Docket ID Number EPA-HQ-OECA-2010-0361 and OMB Control Number 2060-0185 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 – NESHAP for Benzene Emissions from Benzene Storage Vessels and Coke By-Product Recovery Plants (40 CFR Part 61, Subpart L) (Renewal)**

Burden Item	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
	Person hours per occurrence	No. of occurrences per respondent per year	Person hours per respondent per year (C=A×B)	Respondents per year <sup>a</sup>	Technical person-hours per year (E=C×D)	Management person hours per year (E×0.05)	Clerical person hours per year (E×0.1)	Cost, \$ <sup>b</sup>
1. Applications	N/A							
2. Survey and Studies	N/A							
3. Reporting requirements								
A. Read instructions	See 3C							
B. Required activities								
Initial performance test	32	1	32	0	0	0	0	\$0
Repeat performance test	32	0.2	6.4	0	0	0	0	\$0
Annual maintenance inspection <sup>c</sup>	0.5	1	0.5	17	9	0.5	0.9	\$977
C. Create information	See 3B							
D. Gather existing information	See 3E							
E. Write Report								
Notification of construction/reconstruction	2	1	2	0	0	0	0	\$0
Notification of anticipated/actual startup	2	1	2	0	0	0	0	\$0
Notification of initial performance test	2	1	2	0	0	0	0	\$0
Notification of physical/operational chances	8	1	8	0	0	0	0	\$0
Semiannual emissions report <sup>d</sup>	12	2	24	17	408	20	41	\$43,986
Subtotal Reporting						479		\$44,963
4. Recordkeeping requirements								
A. Read instructions	See 3A							
B. Plan activities								
Maintenance Plan	See 3A							
C. Implement Activities								
File and maintain records <sup>e</sup>	33	4	132	17	2,244	112	224	\$242,084
Performance evaluation for Method 21 <sup>f</sup>	2	2	4	17	68	3	7	\$7,301
D. Develop record system	N/A							
E. Time to enter information	N/A							
F. Time to train personnel	N/A							
G. Time for audits	N/A							
Subtotal Recordkeeping						2,658		\$249,384

Burden Item	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
	Person hours per occurrence	No. of occurrences per respondent per year	Person hours per respondent per year (C=A×B)	Respondents per year <sup>a</sup>	Technical person-hours per year (E=C×D)	Management person hours per year (E×0.05)	Clerical person hours per year (E×0.1)	Cost, \$ <sup>b</sup>
TOTAL LABOR BURDEN AND COST (rounded)						3,137		\$294,347

**Assumptions:**

<sup>a</sup> We have assumed that the average number of major sources that will be subject to the rule will be the 17 existing sources. There will be no additional new sources per year that will become subject to the rule over the three-year period of this ICR.

<sup>b</sup> This ICR uses the following labor rates: \$116.05 per hour for Executive, Administrative, and Managerial labor; \$97.21 per hour for Technical labor, and \$48.87 per hour for Clerical labor. These rates are from the United States Department of Labor, Bureau of Labor Statistics, March 2010, "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 each respondent will take 0.5 hours to complete the annual maintenance inspection.

<sup>d</sup> We have assumed that each respondent will take twelve hours at two times per year to write semiannual emissions report.

<sup>e</sup> We have assumed that each respondent will take thirty-three hours at four times per year to file and maintain records.

<sup>f</sup> We have assumed that each respondent will take two hours at two times per year to complete the performance evaluation for Method 21.

**Table 2: Average Annual EPA Burden - NESHAP for Benzene Emissions from Benzene Storage Vessels and Coke By-Product Recovery Plants (40 CFR Part 61, Subpart L) (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=A×B)	(D) Plants per year <sup>a</sup>	(E) Technical person-hours per year (E=C×D)	(F) Management person-hours per year (E×0.05)	(G) Clerical person-hours per year (E×0.1)	(H) Cost, \$ <sup>b</sup>
Initial performance test								
New plant	40	1	40	0	0	0	0	\$0
Report review								
Notification of construction	2	1	2	0	0	0	0	\$0
Notification of anticipated startup	2	1	2	0	0	0	0	\$0
Notification of actual startup	2	1	2	0	0	0	0	\$0
Notification of performance test	2	1	2	0	0	0	0	\$0
Report of performance test	8	1	8	0	0	0	0	\$0
Review semiannual excess emissions and exemption reports	4	2	8	17	136	7	14	\$7,071
Subtotals Labor Burden and cost					136	7	14	\$7,071
TOTAL ANNUAL BURDEN AND COST (rounded)					157			\$7,071

**Assumptions:**

<sup>a</sup> We have assumed that the average number of major sources that will be subject to the rule will be the 17 existing sources. There will be no additional new sources per year that will become subject to the rule over the three-year period of this ICR.

<sup>b</sup> This cost is based on the following labor rates which incorporate a 1.6 benefits multiplication factor to account for government overhead expenses: Managerial rate of \$67.27 (GS-13, Step 5, \$38.92 + 60%), Technical rate of \$46.21 (GS-12, Step 1, \$28.88 + 60%), and Clerical rate of \$25.01 (GS-6, Step 3, \$15.63 + 60%). These rates are from the Office of Personnel Management (OPM), 2010 General Schedule, which excludes locality rates of pay.

<sup>c</sup> We have assumed that each respondent will take four hours two times per year to review the excess emissions and exception reports.