

**SUPPORTING STATEMENT
ENVIRONMENTAL PROTECTION AGENCY**

NESHAP for Hazardous Waste Combustors (40 CFR Part 63, Subpart EEE) (Renewal)

1. Identification of the Information Collection

1(a) Title of the Information Collection

NESHAP for Hazardous Waste Combustors (40 CFR Part 63, Subpart EEE) (Renewal), EPA ICR Number 1773.13, OMB Control Number 2060-0743.

1(b) Short Characterization/Abstract

The National Emission Standards for Hazardous Air Pollutants (NESHAP) for Hazardous Waste Combustors (40 CFR Part 63, Subpart EEE) were proposed on April 19, 1996; promulgated on September 30, 1999; and most-recently amended on both October 28, 2008 and November 19, 2020. These regulations apply to the following types of new and existing combustion units that burn hazardous waste: incinerators, cement kilns, lightweight aggregate kilns, solid fuel boilers, liquid fuel boilers, and hydrochloric acid production facilities. This information is being collected to assure compliance with 40 CFR Part 63, Subpart EEE.

In general, all NESHAP 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 NESHAP.

Any owner/operator subject to the provisions of this part shall 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 required to be submitted electronically are submitted through the EPA's Central Data Exchange (CDX), using the Compliance and Emissions Data Reporting Interface (CEDRI), where the delegated state or local authority can review them. If there is no such delegated authority, the EPA's regional offices can review them. All other reports are sent to the delegated state or local authority. If there is no such delegated authority, the reports are sent directly to the EPA regional offices. The use of the term "Designated Administrator" throughout this document refers to the U.S. EPA or a delegated authority, such as a state agency. The term "Administrator" alone refers to the U.S. EPA Administrator.

The 'burden' to the "Affected Public" may be found in Table 1: Annual Respondent Burden and Cost – NESHAP for Hazardous Waste Combustors (40 CFR Part 63, Subpart EEE)

(Renewal). The ‘burden’ to the Federal Government is attributed entirely to work performed by either Federal employees or government contractors and may be found below in Table 2: Average Annual EPA Burden and Cost – NESHAP for Hazardous Waste Combustors (40 CFR Part 63, Subpart EEE) (Renewal). There are currently approximately 168 hazardous waste combustor units at 94 facilities, which are owned and operated by the hazardous waste combustor industry. Several of the 168 affected facilities in the United States are owned by the Federal government. However, we have assumed that the facilities owned by the Federal government are all operated by contractors to the Federal government. We assume that they will all respond.

Over the next three years, an overall average of 170 HWC units per year will be subject to these standards, which includes one additional HWC unit per year that will become subject to these same standards during this period.

The active (previous) ICR had the following Terms of Clearance (TOC):

“Upon resubmission, the agency should reissue this ICR with a 2060 OMB control number, since it is an OAR and not a OLEM collection. The agency must update the burden estimates to accurately reflect the number of respondents in industry and verify that there are no reporting or recordkeeping requirements for States in 40 CFR Part 63, Subpart EEE. The agency must also ensure that burden is calculated for all of the requirements and that the requirements and burden tables are consistent throughout the supporting statement. The agency must provide screen shots of the electronic mode of collection that is used for this information collection. In addition, the agency must have a burden statement that aligns with the requirements under 5 CFR 1320.8(b)(3) and placement of the OMB control number for on-line submissions on the initial screen per 5 CFR 1320.3(f)(2).”

In renewing the currently approved ICR, the agency has requested a new OMB control number. The agency has also reviewed the number of respondents in industry and updated the burden estimates accordingly. In this case, we identified 10 new sources and 19 sources no longer subject based on changes within the industry. ‘Burden’ has been calculated for all requirements, which are reflected in the burden tables in the supporting statement. All electronic collection in this information collection is submitted through EPA's CEDRI or ERT, as discussed in section 4(b)(i) of this document. Additional Paperwork Reduction Act requirements for CEDRI and ERT, including the burden statement and OMB control number, are available at: <https://www.epa.gov/electronic-reporting-air-emissions/paperwork-reduction-act-pra-cedri-and-ert>.

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. These standards are applicable to new or existing sources of hazardous air pollutants and shall require the maximum degree of emission reduction. 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, HAP emissions from hazardous waste combustors either cause or contribute to air pollution that may reasonably be anticipated to endanger public health and/or welfare. Therefore, the NESHAP were promulgated for this source category at 40 CFR Part 63, Subpart EEE.

2(b) Practical Utility/Users of the Data

The recordkeeping and reporting requirements in these standards 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 these emission standards. Continuous emission monitors are used to ensure compliance with these same standards at all times. During the performance test 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 standards 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, leaks are being detected and repaired, and that the standards are being met. The performance test may also be observed.

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

compliance determinations.

Additionally, the EPA is requiring electronic reporting for certain notifications or reports. The EPA is requiring that owners or operators of affected sources would submit electronic copies of initial notifications required in 40 CFR 63.9(b) and notifications of changes in information required in 40 CFR 63.9(j) through the EPA's Central Data Exchange (CDX), using the Compliance and Emissions Data Reporting Interface (CEDRI). For the notifications required in 40 CFR 63.9(b) and 63.9(j), owners and operators would be required to upload a PDF of the required notifications.

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

The requested recordkeeping and reporting are required under 40 CFR Part 63, Subpart EEE.

3(a) Non-duplication

For reports required to be submitted electronically, the information is sent through the EPA's CDX, using CEDRI, where the appropriate EPA regional office can review it, as well as for state and local agencies that have been delegated authority. If a state or local agency has adopted under its own authority its own standards for reporting or data collection, adherence to those non-Federal requirements does not constitute duplication.

For all other reports, 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 either the delegated state or local agency. If a state or local agency has adopted its own standards to implement the Federal standards, a copy of the report submitted to either 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* (87 FR 43843) on July 22, 2022. No comments were received on the burden published in the *Federal Register* for this renewal.

3(c) Consultations

The Agency has consulted industry experts and internal data sources to project the number of affected facilities and industry growth over the next three years. The primary source of information as reported by industry, in compliance with the recordkeeping and reporting provisions in these standards, is the Integrated Compliance Information System (ICIS). ICIS is EPA's database for the collection, maintenance, and retrieval of compliance data for industrial

and government-owned facilities. The growth rate for the industry is based on our consultations with the Agency's internal industry experts. Approximately 170 respondents will be subject to these standards over the three-year period covered by this ICR.

Industry trade association(s) and other interested parties were provided an opportunity to comment on the burden associated with these standards as it was being developed and these same standard have been reviewed previously to determine the minimum information needed for compliance purposes. In developing this ICR, we contacted both the Coalition for Responsible Waste Incineration (CRWI), at 703-431-7343, and the American Chemistry Council (ACC), at 202-249-7000.

The CRWI provided revised hazardous waste combustor counts for halogen acid production furnaces, incinerators, liquid-fired boilers, and solid-fired boilers. The agency's internal industry experts also provided detailed updates for individual units included in the respondent count. We reviewed the respondent counts provided by CRWI and found that they were similar to those provided by the agency's internal industry experts. CRWI did not provide a detailed list of units; therefore we are unable to resolve the minor discrepancies between the lists. Additionally, the CRWI indicated that there are at least 7 government-owned hazardous waste incinerators. The previous ICR indicated that none of the hazardous waste combustion units are government owned. For this ICR renewal, we have assumed that the government owned facilities are operated by private contractors and have included the costs for all respondents in Table 1: Annual Respondent Burden and Cost - NESHAP for Hazardous Waste Combustors (40 CFR 63, Subpart EEE) Renewal.

It is our policy to respond after a thorough review of comments received since the last ICR renewal, as well as for those submitted in response to the first *Federal Register* notice. In this case, no comments were received.

3(d) Effects of Less-Frequent Collection

Less-frequent information collection would decrease the margin of assurance that facilities are continuing to meet these standards. Requirements for information gathering and recordkeeping are useful techniques to ensure that good operation and maintenance practices are applied and that 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 these standards. The 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. The EPA has found that the most flagrant violators have violations extending beyond five years. In addition, EPA would be prevented from pursuing the violators due to either 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 these standards 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 owners/operators of hazardous waste combustors. The United States Standard Industrial Classification (SIC) codes for the respondents affected by these standards and the corresponding North American Industry Classification System (NAICS) codes are shown in the table below:

40 CFR Part 63, Subpart EEE	SIC Codes	NAICS Codes
Petroleum and Coal Products Manufacturing	2911	324
Chemical Manufacturing	2869, 2899	325
Cement and concrete product manufacturing	3241	3273
Other nonmetallic mineral product manufacturing	3295	3279
Waste treatment and disposal	4953	5622
Remediation and other waste management	4959	5629

services		
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4(b) Information Requested

(i) Data Items

In this ICR, all the data that are recorded or reported is required by the NESHAP for Hazardous Waste Combustors (40 CFR Part 63, Subpart EEE).

A source must make the following reports:

Notifications	
Application for construction or reconstruction.	§63.5(d)
Initial notifications that you are subject to Subpart EEE of this Part (including reclassification to area source status or to revert to major source status) (electronic submission)	§63.9(b)
Notification that you are subject to special compliance requirements.	§63.9(d)
Notification and documentation of any change in information already provided under §63.9 (including reclassification to area source status or to revert to major source status) (electronic submission)	§63.9(j)
Notification of changes in design, operation, or maintenance.	§63.1206(b)(5)(i)
Notification of excessive bag leak detection system exceedances.	§63.1206(c)(8)(iv)
Notification of excessive particulate matter detection system exceedances.	§63.1206(c)(9)(viii)
Notification of performance test and continuous monitoring system evaluation, including the performance test plan and CMS performance evaluation plan.	§§63.1207(e), 63.1209(d), 63.8(e)(2) and (3), 63.7(b), 63.9(e), 63.9(g)(1) and (3)
Notification of use of COMS data for compliance with the opacity emission standard during a performance test and whether the criterion necessary to continue use of an alternative to relative accuracy testing has been exceeded.	§§63.9(g)(2) and (3)
Notification of intent to comply.	§63.1210(b) and (c)
Notification of compliance, including results of performance tests and continuous monitoring system performance evaluations.	§§63.1210(d), 63.1207(j), 63.1207(k), 63.1207(l), 63.8(e)(5), 63.9(h), 63.10(d)(2), 63.10(e)(2), 63.7(g)

Notifications	
Adjustment to time periods or postmark deadlines for submittal and review of required information.	§63.9(i)
Request to reduce the frequency of excess emissions and CMS performance reports.	§63.10(e)(3)(ii)
Request to waive recordkeeping or reporting requirements.	§63.10(f)
Notification to comply with the emission averaging requirements for cement kilns with in-line raw mills.	§§63.1204(d)(2)(iii), 63.1220(d)(2)(iii)
Notification to comply with the emission averaging requirements for preheater or preheater/precalciner kilns with dual stacks.	§§63.1204(e)(2)(iii), 63.1220(e)(2)(iii)
Extension of the compliance date for up to one year.	§§63.1206(b)(4), 63.1213, 63.6(i), 63.9(c)
Request to burn hazardous waste for more than 720 hours and for purposes other than testing or pretesting.	§63.1206(b)(5)(i)(C)
Submittal of PM CEMS correlation test plan for review and approval.	§63.1206(b)(8)(iii)(B)
Request approval for waiver of particulate matter and opacity standards and associated operating limits and conditions.	§63.1206(b)(8)(v)
Request approval of alternative emission standards for mercury, semivolatile metal, low volatile metal, and hydrogen chloride/chlorine gas for lightweight aggregate kilns or cement kilns.	§63.1206(b)(9), §63.1206(b)(10)
Request to comply with an alternative to the particulate matter standard (incinerators only).	§63.1206(b)(14)
Request to comply with the alternative to the interim standards for mercury (cement and lightweight aggregate kilns).	§63.1206(b)(15)
Request changes to the startup, shutdown, and malfunction plan.	§63.1206(c)(2)(ii)(C)
Request an alternative means of control for combustion system leaks.	§63.1206(c)(5)(i)(C)
Request other techniques to prevent fugitive emissions without use of instantaneous pressure limits.	§63.1206(c)(5)(i)(D)
Request to base initial compliance on data in lieu of a comprehensive performance test.	§63.1207(c)(2)
Request more than 60 days to complete a performance test.	§63.1207(d)(3)
Request a time extension if the Administrator fails to approve or deny the test plan.	§§63.1207(e)(3), 63.7(h)
Request to waive current operating parameter limits during pretesting for more than 720 hours.	§63.1207(h)(2)
Request a reduced hazardous waste feedstream analysis for	§63.1207(f)(1)(ii)(D)

Notifications	
organic hazardous air pollutants.	
Request to operate under a wider operating range for a parameter during confirmatory performance testing.	§63.1207(g)(2)(v)
Request up to a one-year time extension for conducting a performance test (other than the initial comprehensive performance test).	§63.1207(i)
Request more than 90 days to submit a Notification of Compliance after completing a performance test.	§63.1207(j)(4)
Request to burn hazardous waste for more than 720 hours and for purposes other than testing or pretesting.	§63.1207(l)(3)
Request approval of alternative monitoring methods for compliance with standards that are monitored with a CEMS and approval to use CEMS in lieu of operating parameter limits.	§§63.1209(a)(5), 63.8(f)
Request approval of alternatives to operating parameter monitoring requirements or a waiver of an operating parameter limit.	§63.1209(g)(1)
Request to extrapolate mercury feedrate limits.	§63.1209(l)(1)
Request to extrapolate semivolatile and low volatile metal feedrate limits.	§63.1209(n)(2)
Request to use data compression techniques to record data on a less frequent basis than required by §63.1209.	§63.1211(d)
Request and eligibility demonstration for alternative risk-based limits for total chlorine.	§63.1215(a)(1)(v)
Request to use an alternative CEMS span or range for CO, O ₂ , and HC CEMS.	Appendix to Subpart EEE, Section 6.3.5

Reports	
Compliance progress reports, if required as a condition of an extension of the compliance date granted under §63.6(i).	§63.10(d)(4)
Periodic startup, shutdown, and malfunction reports.	§63.10(d)(5)(i)
Immediate startup, shutdown, and malfunction reports.	§63.10(d)(5)(ii)
Excessive emissions and continuous monitoring system performance report and summary report.	§63.10(e)(3)
Startup, shutdown, and malfunction plan.	§63.1206(c)(2)(ii) (B), 63.6(e)(3)

Reports	
Excessive exceedances reports.	§63.1206(c)(3)(vi)
Emergency safety vent opening reports.	§63.1206(c)(4)(iv)

A source must keep the following records:

Recordkeeping	
Documentation of information required for compliance, including data recorded by CMS, and copies of all notifications, reports, plans, and other documents submitted to the Administrator.	§§63.1200, 63.10(b) and (c)
Documentation of mode of operation changes for cement kilns with in-line raw mills.	§§63.1204(d)(1)(ii), §63.1220(d)(1)(ii)
Documentation of compliance with the emission averaging requirements for cement kilns with in-line raw mills.	§§63.1204(d)(2)(ii), 63.1220(d)(2)(ii)
Documentation of compliance with the emission averaging requirements for preheater or preheater/precalciner kilns with dual stacks.	§§63.1204(e)(2)(ii), 63.1220(e)(2)(ii)
Documentation of compliance with all applicable Clean Air Act Sections 112 and 129 requirements in lieu of the requirements of Subpart EEE when not burning hazardous waste.	§63.1206(b)(1)(ii)
Documentation that a change will not adversely affect compliance with the emission standards or operating requirements.	§63.1206(b)(5)(ii)
Documentation of compliance with the Destruction and Removal Efficiency (DRE) standard.	§63.1206(b)(7)
Calculation of hazardous waste residence time.	§63.1206(b)(11)
Startup, shutdown, and malfunction plan.	§63.1206(c)(2)
Documentation of your investigation and evaluation of excessive exceedances during malfunctions.	§63.1206(c)(2)(v)(A)
Corrective measures for any automatic waste feed cutoff that results in an exceedance of an emission standard or operating parameter limit.	§63.1206(c)(3)(v)
Documentation and results of the automatic waste feed cutoff operability testing.	§63.1206(c)(3)(vii)
Documentation of waste feed ramp down procedures in the operating and maintenance plan.	§63.1206(c)(3)(viii)

Recordkeeping	
Emergency safety vent operating plan.	§63.1206(c)(4)(ii)
Corrective measures for any emergency safety vent opening.	§63.1206(c)(4)(iii)
Method used for control of combustion system leaks.	§63.1206(c)(5)(ii)
Operator training and certification program.	§63.1206(c)(6)
Operation and maintenance plan.	§63.1206(c)(7)(iv)
Feedrate of mercury, semivolatile metals, low volatile metals, and total chlorine from all feedstreams.	§63.1207(m)
Documentation of quality assurance (QA) and quality control (QC) program and data collected as a result of the QA and QC program.	§ 63.1209(a)(2) and (d)(2), Appendix to Subpart EEE
Feedstream analysis plan.	§63.1209(c)(2)
CMS quality control program.	§§63.1209(d), 63.8(d)
Documentation that a substitute activated carbon, dioxin/furan formation reaction inhibitor, or dry scrubber sorbent will provide the same level of control as the original material.	§§63.1209(k)(6)(iii), 63.1209(k)(7)(ii), 63.1209(k)(9)(ii), 63.1209(o)(4)(iii)
Results of carbon bed performance monitoring.	§63.1209(k)(7)(i)(C)
Documentation of changes in modes of operation.	§63.1209(q)
Documentation of compliance.	§63.1211(c)

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.

The rule was recently amended to include electronic reporting provisions on November 19, 2020. Respondents are required to submit electronic copies of certain notifications through EPA's CEDRI. The notification is an upload of their currently required notification in portable document format (PDF) file. For purposes of this ICR, it is assumed that there is no additional burden associated with the proposed requirement for respondents to submit the notifications and reports electronically.

Electronic copies of records may also be maintained in order to satisfy federal

recordkeeping requirements. For additional information on the Paperwork Reduction Act requirements for CEDRI and ERT for this rule, see: <https://www.epa.gov/electronic-reporting-air-emissions/paperwork-reduction-act-pra-cedri-and-ert>.

(ii) Respondent Activities

Respondent Activities
Familiarization with the regulatory requirements.
Install, calibrate, maintain, and operate CEMS for CO, O ₂ , PM, or Hg or CMS for opacity, or for temperature, pressure drop and liquid supply pressure.
Perform initial performance test, Reference Method 5 or 5I, 9, 23, 26/26A, 29, 320, 321, and/or ASTM D 6735-01 tests, 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 collecting, validating, and verifying information.
Develop, acquire, install, and utilize technology and systems for processing and maintaining information.
Develop, acquire, install, and utilize technology and systems for disclosing and providing information.
Train personnel to be able to respond to a collection of information.
Transmit, or otherwise disclose the information.
Public Outreach

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

5(a) Agency Activities

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

Agency Activities

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 Enforcement and Compliance History Online (ECHO) and ICIS.

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 these emission standards 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 reported by state and local governments in the ICIS Air database, which is operated and maintained by EPA's Office of Compliance. The EPA uses ICIS for tracking air pollution compliance and enforcement by both local and state regulatory agencies, EPA’s regional offices, and EPA headquarters. The 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 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 these regulations. 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 regulations allow much of the information requirements be kept in facility records, rather than in submittals to EPA, thus reducing time and costs of providing the information. 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 at the end of this document in Table 1: Annual Respondent Burden and Cost - NESHAP for Hazardous Waste Combustors (40 CFR 63, Subpart EEE) 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. Where appropriate, specific tasks and major assumptions have been identified. Responses to this information collection are mandatory.

The Agency may neither conduct nor 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 59,100 hours (Total Labor Hours from Table 1 below). These hours are based on Agency studies and background documents from the development of these regulations, 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	\$157.61 (\$75.05 + 110%)
Technical	\$123.94 (\$59.02 + 110%)
Clerical	\$62.52 (\$29.77 + 110%)

These rates are from the United States Department of Labor, Bureau of Labor Statistics, September 2021, “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 varying industry wage rates and the additional overhead business costs of employing workers beyond their wages and benefits, including business expenses associated with hiring, training, and equipping their employees. We have assumed that any Federal government-owned facilities are operated by private contractors and have estimated labor costs for these facilities using the labor rates shown above.

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

The type of industry costs associated with the information collection activities in these subject standard(s) 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)	(B)	(C)	(D)	(E)	(F)	(G)
Continuous Monitoring Device	Capital/Startup Cost for One Respondent	Number of New Respondents	Total Capital/Startup Cost, (B X C)	Annual O&M Costs for One Respondent	Number of Respondents with O&M	Total O&M, (E X F)
Bag leak/PM Detectors	\$6,000	1	\$6,000	\$500	11.4	\$5,700
Correlation testing	\$18,000	1	\$18,000	\$2,000	12.35	\$24,700
CEMS (CO or THC and O ₂) ^a	\$137,547	1	\$137,547	\$26,729	1	\$26,729
COMs/Opacity Monitoring ^a	\$51,949	1	\$51,949	\$14,725	0	\$0
PM CEMS ^a	\$158,000	1	\$158,000	\$34,165	1	\$34,165
CPMS	\$43,500	1	\$43,500	\$9,700	1	\$9,700
Comprehensive performance test	\$0	0	\$0	\$60,000	34	\$2,052,000
One-time D/F testing	\$0	0	\$0	\$5,000	1	\$5,000
Confirmatory performance test	\$0	0	\$0	\$6,000	29	\$176,400
<i>Mailing Costs for Notifications and Reports</i>						
Notifications, requests for approval, and reports	\$0	0	\$0	\$8	497	\$3,979
Additional notifications	\$0	0	\$0	\$1	100	\$100
<i>Operator and Training Program</i>						
Develop operator training and certification program	\$0	0	\$0	\$50	6	\$285
<i>Public Notification Costs</i>						
Public Notification of Intent to Comply	\$250	1	\$250	\$520	1	\$520
<i>Recordkeeping Costs</i>						
Recordkeeping	\$200	171	\$11,401	\$0	0	\$0
Total (Rounded)^b			\$427,000			\$2,340,000

^a This O&M cost reflects 1st year O&M cost for new sources only. We have assumed no new sources will incur O&M costs for COMS.

^b Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

The total capital/startup costs for this ICR are \$427,000. This is the total of column D in

the above table.

The total operation and maintenance (O&M) costs for this ICR are \$2,340,000. 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 \$2,770,000. 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. The 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 \$428,000.

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

Managerial	\$70.56 (GS-13, Step 5, \$44.10 + 60%)
Technical	\$52.37 (GS-12, Step 1, \$32.73 + 60%)
Clerical	\$28.34 (GS-6, Step 3, \$17.71 + 60%)

These rates are from the Office of Personnel Management (OPM), 2022 General Schedule, which excludes locality rates of pay. The rates have been increased by 60 percent to account for the benefit packages available to Federal government employees. Details upon which this estimate is based appear at the end of this document in Table 2: Average Annual EPA Burden and Cost – NESHAP for Hazardous Waste Combustors (40 CFR Part 63, Subpart EEE) (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 168 existing units at 94 facilities will be subject to these standards, with three new units (one per year) over the same period, resulting in an average of 170 existing respondents and 1 new respondent per year. The overall average number of respondents submitting reports in each year is calculated as one-third of the total respondents and is 57 respondents per year.

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

Number of Respondents					
	Respondents That Submit Reports		Respondents That Do Not Submit Any Reports		
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	1	168	0	0	169
2	1	169	0	0	170
3	1	170	0	0	171
Average Total Respondents	1	169	0	0	170
Avg. Respondents with Reporting & Recordkeeping each year ²	1	56	0	0	57

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

² The average number of respondents conducting reporting and recordkeeping activities in each year is calculated as 1/3 of the total respondent universe. Figures may not add exactly due to rounding.

Column D is subtracted to avoid double-counting respondents. As shown above, the total Number of Respondents over the three-year period of this ICR is 170. The average number of respondents conducting reporting and recordkeeping activities in each year is 57.

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

(A) Information Collection Activity	(B) No. Responses Per Year	(C) Number of Existing Respondents That Keep Records But Do Not Submit Responses	(D) Total Annual Responses (D) = (B+C)
<i>Cement kilns with in-line raw mills emissions averaging requirements</i>	1	0	1
<i>Extension of compliance with emission standards and compliance report</i>	13	0	13
<i>Changes in design, operation, or maintenance</i>	29	0	29
<i>Compliance with alternative MACT standards when not burning Hazardous Waste</i>	29	3	31
<i>Applicability of particulate matter and opacity standards during particulate matter CEMS correlation tests</i>	12	0	12

<i>Alternative hydrocarbon monitoring location for short cement kilns burning haz waste at location other than hot end of kiln</i>	0	0	0
<i>Startup, shutdown, and malfunction plan and excessive emissions report</i>	12	0	12
<i>Automatic waste feed cutoff exceedances report, testing results, and documentation</i>	6	86	91
<i>Automatic waste feed cutoff operating and maintenance plan ramp down procedures</i>	0	114	114
<i>ESV openings – report and operating plan</i>	34	11	45
<i>Combustion system leaks – request for alternative means of control</i>	29	29	57
<i>Operator training and certification program</i>	0	57	57
<i>Operation and maintenance plan</i>	11	18	30
<i>Comprehensive performance test requirements, D/F testing, and extensions</i>	52	0	52
<i>Confirmatory performance test requirements</i>	29	0	29
<i>Data in lieu of the initial comprehensive performance test</i>	6	0	6
<i>Notification of performance test and CMS performance evaluation and approval of test plan</i>	92	0	92
<i>Notification of compliance and time extension</i>	63	0	63
<i>Waiver of performance tests and request for time extension</i>	11	0	11
<i>Feedstreams Analysis Plan</i>	0	0	0
<i>Alternative compliance monitoring requirements for standards other than those monitored with a CEMS</i>	6	0	6
<i>Use of CEMS in lieu of OPLs; or alternative methods in lieu of CEMS</i>	0	0	0
<i>Mercury, request to extrapolate feedrate limits and semivolatile metal and low volatile metal feedrate limits</i>	11	0	11
<i>Dioxins and furans, operating records</i>	0	0	0
<i>Total chlorine, CMS quality control plan and operating records</i>	6	0	6
<i>Operating under different modes of operation</i>	0	29	29
<i>Notification of performance evaluation</i>	29	0	29
<i>Additional notification requirements for CMS</i>	29	0	29
<i>Submission of site-specific performance evaluation test plan</i>	34	0	34
<i>Reporting results of CMS performance evaluations</i>	34	0	34
<i>Notice of intent to comply</i>	5	0	5
<i>Initial notification, applications of construction and reconstruction</i>	3	0	3
<i>Adjustment to time periods or postmark deadlines</i>	14	0	14
<i>Request to reduce frequency of excess emissions and continuous monitoring system performance results</i>	6	0	6
<i>Periodic and immediate startup, shutdown, and malfunction reports</i>	20	0	20
<i>Excess emissions and monitoring system performance report and summary report</i>	57	0	57
<i>Request for approval to use data compression techniques</i>	14	0	14
<i>Extension of the compliance date</i>	11	0	11
<i>Performance Evaluation Report</i>	0	0	0
<i>Request to use an alternative CEMS span</i>	0	0	0
<i>Request for alternative risk-based chlorine standards</i>	14	0	14
<i>General recordkeeping requirements 63.10(b)</i>	0	57	57
<i>Additional recordkeeping requirements for source with CMS</i>	0	57	57
<i>Waiver of recordkeeping and reporting requirements</i>	1	0	0
<i>Documentation of Compliance</i>	0	57	57
<i>Quality control (QC) requirements</i>	0	57	57
<i>Quality assurance (QA) requirements</i>	0	57	57
<i>Calibration drift (CD) and zero drift (ZD) assessment and daily</i>	0	114	114

<i>system audit</i>			
			Total
			1,467

The number of Total Annual Responses is 1,467.

The total annual labor costs are \$6,920,000. Details regarding these estimates may be found at the end of this document in Table 1: Annual Respondent Burden and Cost - NESHAP for Hazardous Waste Combustors (40 CFR 63, Subpart EEE) Renewal.

6(e) Bottom Line Burden Hours and Cost Tables

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

(i) Respondent Tally

The total annual labor hours are 59,100. Details regarding these estimates may be found below in Table 1: Annual Respondent Burden and Cost - NESHAP for Hazardous Waste Combustors (40 CFR 63, Subpart EEE) Renewal.

We assume that burdens for managerial tasks take 5% of the time required for technical tasks because the typical tasks for managers are to review and approve reports. Clerical burdens are assumed to take 10% of the time required for technical tasks because the typical duties of clerical staff are to proofread the reports, make copies, and maintain records.

Furthermore, the annual public reporting and recordkeeping burden for this collection of information is estimated to average 40 hours per response.

The total annual capital/startup and O&M costs to the regulated entity are \$2,770,000. 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 7,870 labor hours at a cost of \$428,000; see below in Table 2: Average Annual EPA Burden and Cost – NESHAP for Hazardous Waste Combustors (40 CFR Part 63, Subpart EEE) (Renewal).

We assume that burdens for managerial tasks take 5% of the time required for technical tasks because the typical tasks for managers are to review and approve reports. Clerical burdens are assumed to take 10% of the time required for technical tasks, because the typical duties of clerical staff are to proofread the reports, make copies, and maintain records.

6(f) Reasons for Change in Burden

The decrease in burden from the most-recently approved ICR is due to an adjustment(s). The adjustment decrease is due to an overall decrease in the number of respondents. This ICR updates the number of facilities and HWC units based on correspondence with EPA regions. Although there was a decrease in the burden, there was an increase in the labor costs due to the use of updated labor rates. This ICR uses labor rates from the most-recent Bureau of Labor Statistics report (September 2021) to calculate respondent burden costs. There is a decrease in O&M costs from the most-recently approved ICR due to the decreased number of respondents and a correction to the number of respondents incurring costs for COMs/opacity monitoring. The decrease is offset somewhat by a correction to the respondents incurring O&M costs for correlation testing. The number of new sources is expected to remain the same as estimated for the previous ICR; therefore, there are no changes to the capital costs.

6(g) Burden Statement

The annual public reporting and recordkeeping burden for this collection of information is estimated to average 40 hours per response. ‘Burden’ means the total time, effort, or financial resources expended by persons to generate, maintain, retain, or disclose or provide information either 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 neither conduct nor 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-OAR-2022-0084. 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), WJC 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. Due to COVID-19 precautions, entry to the Reading Room is available by appointment only. Please contact personnel in the Reading Room to schedule an appointment. 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-OAR-2022-0084 and OMB Control Number 2060-NEW 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 Hazardous Waste Combustors (40 CFR 63, Subpart EEE) (Renewal)

	Person Hours Per Year (by Labor Category)			Total Person Hours Per Respondent	Total Labor Costs Per Respondent	Total Hours and Costs		
	Manager \$157.61	Technical \$123.94	Clerical \$62.52			# of Respondents ^a	Total Hours	Total Labor Cost ^b
INFORMATION COLLECTION ACTIVITY								
1. Applications								
2. Survey and Studies								
3. Reporting requirements								
A. Familiarization with the rule ^c	0.0	4.0	0.0	4.0	\$495.77	33	133.3	\$16,525.60
B. Required Activities								
Operation and maintenance plan (63.1206 (c)(7))								
Request for approval for establishing set points with extrapolation for PM detectors ^d	0.0	10.0	1.0	11.0	\$1,301.94	1	11	\$1,301.94
Recommend alternative OPLs for units with ESP or IWSs ^e	0.0	10.0	1.0	11.0	\$1,301.94	6	63	\$7,421.04
Feedstreams Analysis Plan (63.1209(c)(2)) ^f								
Monitor and record feedrates	0.0	0.5	0.0	0.5	\$61.97	1	1	\$61.97
Perform waste analysis four time annually (non-commercial facilities)	0.0	8.0	0.0	8.0	\$991.54	1	8	\$991.54
Perform waste analysis 50 times annually (commercial facilities)	0.0	100.0	0.0	100.0	\$12,394.20	1	100	\$12,394.20
Quality control program (63.1209(d) and 63.8(d) ^g								
Develop and implement a CMS QC program	5.0	64.0	10.0	79.0	\$9,345.48	29	2,252	\$266,346.27
Conduct of performance evaluation and performance evaluation dates (63.1209(d) and 63.8(e)(4)) ^h								
Conduct a CMS performance evaluation	4.0	40.0	4.0	48.0	\$5,838.17	34	1,642	\$199,665.35
Quality control (QC) requirements (63, Subpart EEE Appendix, Section 1.1) ⁱ								

Develop and implement a QC program	8.0	140.0	12.0	160.0	\$19,362.92	29	4,560	\$551,843.33
Revise program, if necessary	1.0	8.0	1.0	10.0	\$1,211.66	6	57	\$6,906.45
Quality assurance (QA) requirements (63, Subpart EEE Appendix, Section 1.1) ^l								
Develop and implement a QA program	8.0	120.0	12.0	140.0	\$16,884.08	57	7,980	\$962,392.79
Revise or update plan, if necessary	1.0	8.0	1.0	10.0	\$1,211.66	6.3	63	\$7,597.10
Performance Evaluation (Appendix EEE, Section 5) ^k								
Conduct ACA, RATA, or interference response test as applicable	0.0	0.0	0.0	0.0	\$0.00	0	0	\$0
C. Create Information								
D. Gather Information								
E. Write Report								
Cement kilns with in-line raw mills (63.1220(d)) ^l								
Prepare and submit notification of compliance using the emission averaging requirements for cement kilns with in-line raw mills	1.0	3.0	1.0	5.0	\$591.95	1	5	\$591.95
Extension of compliance with emission standards (63.1206(b)(4), 63.6(i), 63.1213, and 63.9(c)) ^m								
Prepare and submit the request for an extension of compliance	2.0	10.0	4.0	30.0	\$1,804.70	7	106.7	\$12,031.32
Prepare and submit a progress report, as applicable	1.0	5.0	2.0	15.0	\$902.35	7	53.3	\$6,015.66
Changes in design, operation, or maintenance (63.1206(b)(5)) ⁿ								
Prepare and submit a notification of change in design, operation, or maintenance	2.0	52.0	8.0	62.0	\$7,260.33	29	1,767	\$206,919.41
Compliance with alternative MACT standards when not burning Hazardous Waste(63.1206(b)(1)(ii)) ⁿ								
Revise, as necessary, the performance test plan, Documentation of Compliance, and start-up, shutdown, and malfunction plan to reflect changes that will not adversely affect compliance with emission standards or operating requirements.	1.0	6.0	4.0	11.0	\$1,151.33	29	314	\$32,812.76

Applicability of particulate matter and opacity standards during particulate matter CEMS correlation tests (63.1206(b)(8)) °								
Prepare and submit a particulate matter CEMS correlation test plan	2.0	16.0	2.0	20.0	\$2,423.32	12	247	\$29,927.95
Request additional time extension for waiving PM and Opacity stnds	0.0	0.1	0.0	0.1	\$12.39	0	0	\$0
Alternative hydrocarbon monitoring location for short cement kilns burning haz waste at location other than hot end of kiln ^p								
Prepare and submit a petition for alternative monitoring location and emission standards	1.0	18.0	0.5	19.5	\$2,419.82	0	0	\$0
Startup, shutdown, and malfunction plan (63.1206(c)(2) and 63.6(e)(3)) ^q								
Submit for review and approval by EPA	1.0	10.0	2.0	13.0	\$1,522.06	7	87	\$10,197.80
Excessive emissions reporting	3.0	11.0	1.0	15.0	\$1,898.69	6	86	\$10,822.56
Automatic waste feed cutoff (63.1206(c)(3)) ^q								
Develop and submit a written report documenting excessive exceedances and result of the investigation and corrective measures taken	2.0	16.0	0.5	18.5	\$2,329.54	6	105	\$13,278.38
ESV openings (63.1206(c)(4)) ^r								
Develop and submit a written report documenting the ESV opening and result of the investigation and corrective measures taken, and whether ESV event caused non-compliance	2.0	16.0	0.5	18.5	\$2,329.54	34	619.8	\$78,039.61
Combustion system leaks (63.1206(c)(5)) ^s								
Prepare and submit a request to use an alternative means of control to provide control of combustion system leaks	0.5	10.0	0.5	11.0	\$1,349.48	29	314	\$38,460.21
Operation and maintenance plan (63.1206 (c)(7)) ^t								
Notify EPA if alarm limit is exceeded more than 5% of the time in a 6-month block period	5.0	40.0	0.0	45.0	\$5,745.71	11	513	\$65,501.04
Comprehensive performance test requirements (63.1207(b)(1)) ^{h, u, v}								
Submittal of comprehensive performance test no later than 61								

months after the date of commencing the previous comprehensive performance test	2.0	40.0	4.0	46.0	\$5,522.96	34	1,573	\$188,885.16
Submittal of one-time D/F testing for units w/out numerical D/F std	0.5	10.0	1.0	11.5	\$1,380.74	1	11.5	\$1,380.74
Request 60 day extension to complete testing	1.0	1.0	1.0	3.0	\$344.06	11	34	\$3,922.33
Request additional time for waiving OPLs for pretesting	1.0	1.0	1.0	3.0	\$344.06	6	17	\$1,961.16
Confirmatory performance test requirements (63.1207(b)(2)) ^w								
Perform the confirmatory performance test no later than 31 months after the date of commencing the previous comprehensive performance test	2.0	40.0	4.0	46.0	\$5,522.96	29	1,352	\$162,374.97
Data in lieu of the initial comprehensive performance test (63.1207(c)(2)) ^x								
Prepare and submit a request that previous emissions test data serve as documentation of conformance with emission standards	1.0	8.0	2.0	11.0	\$1,274.18	6	63	\$7,262.80
Notification of performance test and CMS performance evaluation and approval of test plan CMS performance evaluation plan (63.1207(e)) ^{k,y}								
Prepare and submit a notification of intention to conduct a performance test	1.0	4.0	1.0	6.0	\$715.89	34	205	\$24,483.44
Prepare and submit the rescheduled notification of intent to conduct a performance test, if test is postponed	1.0	4.0	1.0	6.0	\$715.89	3.4	20.5	\$2,448.34
Prepare and submit a site-specific comprehensive performance test plan	7.0	110.0	12.0	129.0	\$15,487.06	34	4,412	\$529,657.42
Prepare and submit the site-specific confirmatory performance test plan	2.0	30.0	10.0	42.0	\$4,658.64	20.5	861.8	\$95,595.29
Notification of compliance (63.1207(j), 63.9(h), 63.7(g), 63.10(d)(2) and 63.1210(d)) ^z								
Prepare and submit a notification of compliance	10.0	104.0	16.0	130.0	\$15,466.29	57	7,410	\$881,579
Prepare and submit a written request for a time extension, if necessary	0.5	0.0	1.0	1.5	\$141.32	6	9	\$805.52

Waiver of performance tests and request for time extension (63.1207(h) and 63.1207(m)) ^z								
Prepare and submit a request for a 6 month time extension for conducting a performance test if test plan has not been approved	2.0	24.0	2.0	28.0	\$3,414.85	6	160	\$19,464.66
Notify public of request for time extension	3.0	2.0	1.0	6.0	\$783.22	6	34	\$4,464.33
Feedstreams Analysis Plan (63.1209(c)(2))								
Submit the plan for review and approval, if requested by the EPA	0.0	0.0	0.5	0.5	\$31.26	0	0	\$0.00
Alternative compliance monitoring requirements for standards other than those monitored with a CEMS (63.1209(g)(1)) ^{aa}								
Prepare and submit an application for use of an alternative monitoring method	8.0	100.0	10.0	118.0	\$14,280.21	6	673	\$81,397.20
Prepare and submit an application to waive an operating limit	4.0	24.0	2.0	30.0	\$3,730.06	0	0	\$0
Use of CEMS in lieu of OPLs; or alternative methods in lieu of CEMS (63.1209(a)(5)) ^{aa}								
Prepare and submit an application for use of an alternative monitoring method	8.0	100.0	10.0	118.0	\$14,280.21	0	0	\$0
Prepare and submit an application to waive an operating limit	4.0	24.0	2.0	30.0	\$3,730.06	0	0	\$0
Prepare and submit request to extrapolate mercury feedrate limits ^{bb}	0.5	4.0	1.0	5.5	\$637.09	6	31	\$3,631.40
Prepare and submit request to extrapolate semivolatile metal and low volatile metal feedrate limits ^{bb}	0.5	4.0	1.0	5.5	\$637.09	6	31	\$3,631.40
Submit the CMS quality control program for inspection, if requested by the EPA ^{cc}	0.0	0.0	0.5	0.5	\$31.26	6	3	\$178.17
Notification of performance evaluation (63.1209(d) and 63.8(e)(2)) ^g								
Prepare and submit a notification of CMS performance evaluation	1.0	4.0	1.0	6.0	\$715.89	29	171	\$20,402.87

Additional notification requirements for CMS (63.9(g)(2) and (3)) ^g								
Prepare and submit additional notification requirements for source with CMS	1.0	4.0	1.0	6.0	\$715.89	29	171	\$20,402.87
Submission of site-specific performance evaluation test plan (63.1209(d) and 63.8(e)(3)) ^h								
Develop and submit a CMS site-specific performance evaluation test plan	10.0	44.0	8.0	62.0	\$7,529.63	34	2,120	\$257,513.48
Reporting results of CMS performance evaluations (63.10(e)(2)) ^h								
Prepare and submit a written report of the results of the CMS performance evaluation	1.0	36.0	6.0	43.0	\$4,994.62	34	1,471	\$170,815.97
Prepare and submit written reports of the results of the COMS performance evaluation, as applicable ^{dd}	1.0	18.0	4.0	23.0	\$2,638.63	0	0	\$0
Notice of intent to comply 63.1206(b)-(d) ^{ee}								
Prepare draft NIC	9.0	45.0	3.0	57.0	\$7,183.39	1	57	\$7,183.39
Notify public about meeting and draft NIC	1.0	3.0	2.0	6.0	\$654.47	1	6	\$654.47
Conduct public meeting	4.0	20.0	3.0	27.0	\$3,296.81	1	27	\$3,296.81
Prepare and submit final NIC	2.0	35.0	3.0	40.0	\$4,840.73	1	40	\$4,840.73
Prepare progress report	3.0	30.0	3.0	36.0	\$4,378.63	1	36	\$4,378.63
Initial notification 63.9(b) and 63.5(d) ^{ff}								
Prepare and submit initial notification	2.0	8.0	1.0	11.0	\$1,369.26	1	11	\$1,369.26
Prepare and submit an application of approval of construction as applicable	7.0	32.0	0.5	39.5	\$5,100.64	1	39.5	\$5,100.64
Prepare and submit an application of approval of reconstruction as applicable	7.0	32.0	0.5	39.5	\$5,100.64	1	39.5	\$5,100.64
Adjustment to time periods or postmark deadlines for submittal and review of required communications 63.9(i) ^{gg}								
Prepare and submit a request for an adjustment to a time period or postmark deadline	0.3	2.0	0.5	2.8	\$318.54	14	39.2	\$4,539.25
Request to reduce frequency of excess emissions and continuous monitoring system performance results 63.10(e)(3)(ii) ^{hh}								
Prepare and submit a request to reduce the frequency of								

excess emissions and CMS performance reports	0.3	2.0	0.5	2.8	\$318.54	6	15.7	\$1,815.70
Waiver of recordkeeping and reporting requirements ⁱⁱ								
Prepare and submit a waiver of recordkeeping and reporting	0.3	2.0	0.5	2.8	\$318.54	0.6	1.6	\$181.57
Startup, shutdown, and malfunction reports 63.10(d)(5)(i) and (ii) ^{jj}								
Prepare and submit a periodic startup, shutdown, and malfunction report, as applicable	0.3	5.0	1.0	6.3	\$721.63	14	89.1	\$10,283.20
Prepare and submit an immediate startup, shutdown, and malfunction report, as applicable	0.3	5.0	1.0	6.3	\$721.63	6	35.6	\$4,113.28
Excess emissions and continuous monitoring system performance report and summary report 63.10(e)(3) ^{kk}								
Prepare and submit an excess emissions and monitoring system performance report and summary report	0.3	4.0	2.0	6.3	\$660.20	57	356	\$37,631.59
Data compression ^{ll}								
Prepare and submit request for approval to use data compression techniques to record data on a less frequent basis than required by Section 63.1209	0.3	2.0	0.5	2.8	\$318.54	14	39.2	\$4,539.25
Extension of the compliance date to install pollution prevention or waste minimization controls (63.1213) ^{mmm}								
Prepare and submit the request for an extension of compliance date due to installation of pollution prevention controls	4.0	24.0	2.0	30.0	\$3,730.06	6	171	\$21,261.35
Prepare and submit the request for an extension of compliance date due to waste minimization controls	4.0	24.0	2.0	30.0	\$3,730.06	6	171	\$21,261.35
Performance Evaluation (Appendix EEE, Section 5) ^k								
Prepare and submit a written report of the results of the performance evaluation	0.3	1.0	0.0	1.3	\$163.34	0	0	\$0
Use of alternative CEMS spans (63, Subpart EEE Appendix, Section 6.3.5) ⁿⁿ								
Prepare and submit a request to use an alternative CEMS span Alternative risk based chlorine standards ^{oo}	0.5	25.0	1.0	26.5	\$3,239.87	0	0	\$0

Make request to use risk based chlorine stds	2.0	40.0	5.0	47.0	\$5,585.48	14	670	\$79,593.02
Subtotal for Reporting Requirements							43,763	\$ 5,237,448
4. Recordkeeping requirements								
A. Familiarization with Regulatory Requirements (see 3A)								
B. Plan activities (see 3B)								
C. Implement activities (see 3B)								
D. Develop record system								
E. Time to enter information								
Document in operating record compliance with the emission averaging requirements for cement kilns with in-line raw mills ¹	0.0	0.5	0.5	1.0	\$93.23	1	1	\$93.23
Compliance with alternative MACT standards when not burning Hazardous Waste(63.1206(b)(1)(ii)) ^{pp}								
Document in the operating record compliance with applicable CAA requirements in lieu of the requirements of Subpart EEE	0.0	4.0	0.0	4.0	\$495.77	3	11	\$1,412.94
Document design, operation, or maintenance change in operating record if it is determined that the change will not adversely affect compliance with emission standards or operating requirements ⁿ	0.0	1.0	0.0	1.0	\$123.94	29	29	\$3,532.35
Hazardous waste residence time ^{qq}								
Document hazardous waste residence time in operating record	0.0	4.0	0.5	4.5	\$527.03	1	4.5	\$527.03
Startup, shutdown, and malfunction plan (63.1206(c)(2) and 63.6(e)(3)) ^q								
Develop or revise a startup, shutdown, and malfunction plan	6.0	82.0	8.0	96.0	\$11,609.01	7	643	\$77,780.37
Automatic waste feed cutoff (63.1206(c)(3)) ^{rr}								
Investigate the cause of any AWFCO, take appropriate corrective measures to minimize future AWFCOs, and record the findings and corrective measures in the operating record	2.0	16.0	0.5	18.5	\$2,329.54	114	2,109	\$265,567.62
Test the AWFCO system and associated alarms weekly and document and record AWFCO operability test procedures and result in the operating record	0.0	1.5	0.0	1.5	\$185.91	29	43	\$5,298.52
Document in the operating record that weekly inspections will unduly restrict or upset operations	0.0	0.5	0.0	0.5	\$61.97	29	14	\$1,766.17

Test the AWFCO system monthly, and record results in operating record	0.0	1.5	0.0	1.5	\$185.91	29	43	\$5,298.52
Document in the operating record the operating and maintenance plan ramp down procedures, as applicable	0.5	6.0	1.0	7.5	\$884.97	114	855	\$100,886.75
ESV openings (63.1206(c)(4)) ^f								
Develop an ESV operating plan and keep it in the operating record	2.0	20.0	1.0	23.0	\$2,856.57	11.2	256.8	\$31,898.33
Investigate the cause of the ESV opening, take appropriate corrective measures to minimize such future ESV openings, record the findings and corrective measures in the operating record, and determine if ESV caused non-compliance	2.0	16.0	0.5	18.5	\$2,329.54	34	619.8	\$78,039.61
Combustion system leaks (63.1206(c)(5)) ^s								
Specify in the comprehensive test workplan and the notification of compliance the methods used to control combustion system leaks	0.0	0.3	0.0	0.3	\$30.99	29	7.1	\$883.09
Operation and maintenance plan (63.1206 (c)(7)) ^{ss, t}								
Prepare an operation and maintenance plan and put in the operating record	5.0	295.0	10.0	310.0	\$37,976.09	7	2,077	\$254,439.77
Document alarm limit exceedances and corrective action taken.	5.0	40.0	0.0	45.0	\$5,745.71	11	513	\$65,501.04
Feedstreams Analysis Plan (63.1209(c)(2)) ^f								
Develop and implement a feedstream analysis plan and put plan in the operating record	1.0	5.0	1.0	7.0	\$839.83	1	7	\$839.83
Dioxins and furans (63.1209(k)) ^{tt}								
Document in the operating record procedures used to ensure carbon bed lifetime is being sufficiently monitored and controlled	0.0	0.3	0.0	0.3	\$30.99	0	0	\$0
Document in the operating record that replacement carbon will provide the same level of control as original carbon								

used during the performance test	0.0	0.3	0.0	0.3	\$30.99	0	0	\$0
Document in the operating record that replacement inhibitor will provide the same level of control as the original inhibitor								
used during the performance test	0.0	0.3	0.0	0.3	\$30.99	0	0	\$0
Total chlorine (hydrochloride and chlorine gas) (63.1209(o)) ^{tt}								
Document in the operating record that replacement sorbent will provide the same level of control as the original sorbent								
used during the performance test	0.0	0.3	0.0	0.3	\$30.99	0	0	\$0
Operating under different modes of operation (63.1207(g) and 63.1209(r)) ^{g, uu}								
Document the mode of operation in the operating record, if a source has tested under two or more operating modes	0.0	0.3	0.0	0.3	\$30.99	29	7.1	\$883.09
Keep the CMS quality control program on record for the life of the affected source or until the affected source is no longer subject to the provisions of 40 CFR Part 63	0.0	0.0	0.5	0.5	\$31.26	29	14	\$890.87
General recordkeeping requirements 63.10(b) ^{vv}								
Retain files of all information (including all reports and notifications) for at least 5 years	0.0	0.0	40.0	40.0	\$2,500.68	57	2,280	\$142,539
Additional recordkeeping requirements for source with CMS (63.10(c)) ^{ww}								
Maintain additional records for continuous monitoring systems	0.0	0.0	20.0	20.0	\$1,250.34	57	1,140	\$71,269
Documentation of Compliance 63.1211(d) ^{ww}								
Develop a Documentation of Compliance and include it in the operating record	1.0	10.0	2.0	13.0	\$1,522.06	57	741	\$86,757.36
Quality control (QC) requirements (63, Subpart EEE Appendix, Section 1.1) ^j								
Record program in operating record	0.0	20.0	0.0	20.0	\$2,478.84	57	1,140	\$141,294
Quality assurance (QA) requirements (63, Subpart EEE Appendix, Section 1.1) ^j								

Record plan in the operating record	0.0	10.0	0.0	10.0	\$1,239.42	57	570	\$70,647
Calibration drift (CD) and zero drift (ZD) assessment and daily system audit (63, Subpart EEE Appendix, Section 4) ^j								
Check, record, and quantify the ZD and the CD at least once daily (330 times per year)	0.0	0.0	0.0	0.0	\$0.00	57	0	\$0
Retain all CEMS measurements in the operating record for at least 5 years	0.0	1.0	0.0	1.0	\$123.94	57	57	\$7,064.69
F. Train personnel								
Operator training and certification (63.1206(c)(6)) ^{yy}								
Develop an operator training and certification program	6.8	136.0	13.6	156.4	\$18,778.06	6	891.5	\$107,034.93
Implement an operator training and certification program	0.6	12.0	1.2	13.8	\$1,656.89	57	787	\$94,442.58
Keep a record of the plan and records of certification and training activities	0.4	8.0	0.8	9.2	\$1,104.59	57	524	\$62,961.72
G. Audits								
Subtotal for Recordkeeping Requirements							15,385	\$ 1,679,549
TOTAL LABOR BURDEN AND COSTS (ROUNDED)^{zz}							59,100	\$ 6,920,000
TOTAL CAPITAL AND O&M COST (ROUNDED)^{zz}								\$ 2,770,000
GRAND TOTAL (ROUNDED)^{zz}								\$ 9,690,000

^a The total number of respondents estimated over the next three years is based on approximately 168 existing units at 94 facilities that are subject to the standard, with three new units (one per year) over the same period, resulting in an average of 170 existing respondents and 1 new respondent per year. The overall average number of respondents submitting reports in each year is calculated as one-third of the total respondents and is 57 respondents per year.

^b This ICR uses the following labor rates: \$157.61 per hour for Executive, Administrative, and Managerial labor; \$123.94 per hour for Technical labor, and \$62.52 per hour for Clerical labor. These rates are from the United States Department of Labor, Bureau of Labor Statistics, September 2021 “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 varying industry wage rates and the additional overhead business costs of employing workers beyond their wages and benefits, including business expenses associated with hiring, training, and equipping their employees.

^c Assumes respondents take 4 hours to refamiliarize themselves with rule requirements each year.

^d Assumes 1 respondent per year will request approval for establishing set points with extrapolation for PM detectors.

^e It is estimated that of the sources reporting annually with ESPs or IWSSs, 10% will request to use operating parameter limits instead of continuous particulate detectors.

^f Provides for one-time requirement for development and implementation of feedstream analysis plans for new respondents.

^g As part of the comprehensive performance test, HWCs will submit a CMS quality control program, notification of performance evaluation and additional notification requirements; we estimate that 50% of sources have submitted a CMS quality control program at this time.

^h HWCs are also required to submit a performance evaluation test plan, and conduct a CMS performance test. We estimate 60% of sources would submit test plans and conduct performance testing along with their comprehensive performance testing.

- ⁱ Assumes that respondents will develop and implement a QC program for 50% of units, and 10% will submit a revised QC program.
- ^j All sources must meet the QA requirements for CEMS. Assumes all sources will develop a QA program and 11% will submit a revised QA program.
- ^k Burden for performance evaluations is included in the notification of performance test and CMS performance evaluations.
- ^l We estimate that 1 cement kiln with an in-line kiln raw mill will comply with the emission averaging requirements for kilns of this type. Thus, they will conduct a performance test when the raw mill is on-line and when the mill is off-line, and include the averaging procedures in their Notification of Compliance and operating record.
- ^m Assumes 20% of all facilities operating an HWC will apply for an extension each year.
- ⁿ It is estimated that 50% of the sources reporting annually will be making design, operation, and maintenance changes to comply with the MACT rule and document change in operating record.
- ^o It is anticipated that 65% of sources (among all HWC) will conduct PM CEMS correlation testing over the 3-year period of this ICR and request a waiver of PM and opacity standards during the testing. It is estimated that none of these sources will request an extension of the 96 hours allowed for the waiver.
- ^p Assumes no respondents will petition for an alternative monitoring location or emission standards.
- ^q Assumes 1 new respondent and 10% of existing respondents reporting annually will develop or revise the SSM plan and resubmit the plan for approval, and 10% of respondents would be required to submit excess emissions reports.
- ^r It is estimated that 50% of hazardous waste incinerators reporting annually have ESVs, and will develop an ESV operating plan. On average, each unit will have 3 ESV openings per year.
- ^s It is estimated that respondents will request approval for 50% of all sources for use of an alternative means to provide control of combustion system leaks (control through a positively sealed combustion chamber).
- ^t Assumes all units with fabric filters (about 60% of sources) will have to purchase, install, and operate bag leak detection systems over the three year period of this ICR.
- ^u Assumes 1 new respondent will submit one-time D/F testing for units without a numerical D/F standard.
- ^v Assumes 20% of sources will request an extension of the comprehensive performance test and 10% of sources will request additional time for waiving OPLs for pretesting.
- ^w It is assumed that 60% of units with PCDD/PCDF limits would be required to test over the three-year period of this ICR.
- ^x It is estimated that 10% of all sources reporting annually will submit a request to use previous emissions test data to serve as documentation of compliance with emission standards.
- ^y Assumes 60% of respondents must conduct a comprehensive performance test every 3 years and 60% of respondents must conduct a confirmatory performance every 5 years. It is estimated that 10% of these sources would reschedule the test.
- ^z All facilities will submit a Notification of Compliance. It is estimated that 10% of facilities conducting the comprehensive performance test will apply for a waiver or time extension.
- ^{aa} It is estimated that 10% of all facilities will apply for and receive approval to use alternative monitoring requirements to document compliance with the emission standards of Subpart EEE other than CO or HC which are monitored with a CEMS. It is estimated that no facilities will make a request to use alternative operating parameters or methods to CEMS or CEMS in lieu of operating parameters.
- ^{bb} It is estimated that no existing sources will chose to use a CEMS for compliance monitoring and that 10% of sources will make a request to set feedrate limits with extrapolation.
- ^{cc} It is estimated that EPA will request additional relevant information for the site-specific CMS performance test plan from 10% of the sources performing the test.
- ^{dd} This requirement only applies to cement kilns without bag leak systems and PM detectors. It is estimated that all existing sources have these systems in place.
- ^{ee} Assumes one respondent will prepare a draft NIC, notify the public about a NIC meeting, conduct the NIC meeting, prepare a final NIC with meeting comments, submit the NIC to EPA, and complete the progress report for one new HWC.
- ^{ff} Assumes one respondent will submit initial notifications for a new HWC.

- 88 We estimate that 25% of all facilities will submit a request for an adjustment to a time period or postmark deadline.
- 89 It is estimated that 10% of facilities will submit a request to reduce frequency of excess emissions and continuous system performance reports from a quarterly (or more frequent basis).
- 90 It is estimated that 1% of all facilities reporting annually will submit a waiver of recordkeeping or reporting requirements.
- 91 It is anticipated that 25% of facilities will take actions during a startup, shutdown, or malfunction that are consistent with the procedures specified in the facility's startup, shutdown, or malfunction plan. These facilities are required to submit a periodic startup, shutdown, and malfunction report. Another 10% of facilities will take actions that are not consistent with procedures specified in their plans. These facilities acquired to submit an immediate startup, shutdown, and malfunction report.
- 92 It is anticipated that all facilities will submit an excess emissions and continuous monitoring system performance report and summary report.
- 93 It is estimated that 25% of facilities will submit a request for approval to use data compression techniques.
- 94 It is estimated that 10% of sources will submit a one-time request for a compliance extension due to the installation of controls, and that another 10% will submit a one-time request for a compliance extension for waste minimization purposes.
- 95 It is estimated that no source will submit requests to use an alternative CEMS span.
- 96 It is estimated that 25% of facilities will request to comply with the alternative risk based chlorine standards.
- 97 Assumes 5% of all respondents will document in the operating record compliance with alternative applicable Clean Air Act requirements and standards.
- 98 Assumes one respondent will document the hazardous waste residence time in the operating record for a new HWC.
- 99 It is estimated that all sources (units) will have 2 AWFCO per year. We assume 50% of units will conduct weekly AWFCO system inspections, while 50% will conduct monthly system testing;
- 100 Assumes 10% of existing respondents are updating an O&M plan and 1 new respondent is developing the plan. Further assumes 60% of sources will document alarm limit exceedences and corrective action taken.
- 101 It is estimated that no facilities will make a request to use alternative operating parameters or methods to CEMS.
- 102 It is estimated that 50% of all facilities will perform the comprehensive performance test under two or more operating modes. These facilities will be required to document what operating mode they are in during subsequent on-going day to day operations.
- 103 It is estimated that it will take 40 hours each year for each of the HWC facilities to maintain copies of all required information (information must be retained for five years). All sources will need to maintain copies of all required information for continuous monitoring systems.
- 104 It is anticipated that all facilities will develop a Documentation of Compliance to be included in their operating records
- 105 Assumes 10% of respondents will update or develop the operator training and certification program each year. Assumes all respondents are conducting annual training.
- 106 Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

Table 2: Average Annual EPA Burden and Cost – NESHAP for Hazardous Waste Combustors (40 CFR Part 63, Subpart EEE) (Renewal)

	Hours and Costs Per Respondent or Activity						Total Hours and Costs	
	Manager \$70.56	Technical \$52.37	Clerical \$28.34	Total Person Hrs Per Respondent	Total Labor Cost Per Respondent	# Of Respondents ^a	Total Labor Hours	Total Costs ^b
INFORMATION COLLECTION ACTIVITY								
Operation and Maintenance Plan ^c								
Review request to use alternative OPLs for ESP and ISWs	0.3	8.0	0.0	8.3	\$436.58	5.7	47.0	\$2,488.53
Notify applicants of EPA's determination	0.3	0.0	0.3	0.5	\$24.72	5.7	2.9	\$254.93
Analysis of feedstream ^d								
Request feedstream analysis plan	0.8	10.0	0.3	11.0	\$583.68	0.0	0.0	\$0.00
Extension of the compliance date to install pollution prevention waste minimization controls ^e								
Review requests for an extension of compliance date	1.0	4.0	0.3	5.3	\$287.12	11.4	59.9	\$3,284.52
Extension of compliance with emission standards ^f								
Review requests for extension of the compliance date	0.5	4.0	0.0	4.5	\$244.75	6.7	30.0	\$1,631.68
Review progress reports, if required by EPA	0.5	1.0	0.0	1.5	\$87.65	6.7	10.0	\$584.32
Notify applicants of EPA's determination	0.3	0.0	0.3	0.5	\$24.72	6.7	3.3	\$198.16
Changes in design, operation, or maintenance ^g								
Review notifications of changes in design, operation, or maintenance	3.0	15.0	0.0	18.0	\$997.20	28.5	513.0	\$28,420
Notify applicants of EPA's determination	0.3	0.0	0.3	0.5	\$24.72	28.5	14.3	\$733.13
Applicability of particulate matter and opacity standards during PM CEMS correlation tests ^h								
Review of PM CEMS correlation test plans	0.3	10.0	0.0	10.3	\$541.32	12.4	126.6	\$6,685.30
Notify applicants of EPA' determination	0.3	0.0	0.3	0.5	\$24.72	12.4	6.2	\$317.69

Alternative particulate matter standard for liquid fuel boilers with low feedrates of metals ⁱ								
Review petitions for alternative particulate matter standard for liquid boilers with low feedrates of metals	0.5	15.0	0.0	15.5	\$820.80	2.1	32.6	\$1,723.68
Notify applicants of EPA's determination	0.3	0.0	0.3	0.5	\$24.72	2.1	1.1	\$51.92
Startup, shutdown, and malfunction plan ^j								
Review startup, shutdown, and malfunction plans, notify applicant of results of review	0.5	5.0	0.0	5.5	\$297.12	6.7	36.9	\$1,997.40
Automatic waste feed cutoff ^k								
Review excessive exceedance reports	0.3	5.0	0.1	5.4	\$282.31	5.7	30.5	\$1,609.19
Notify applicants of EPA's determination	0.3	0.0	0.3	0.5	\$24.72	5.7	2.9	\$146.63
ESV openings ^l								
Review ESV openings report	0.3	5.0	0.1	5.4	\$282.31	33.5	179.2	\$9,457.51
Notify applicants of EPA's determination	0.3	0.0	0.3	0.5	\$24.72	33.5	16.8	\$861.75
Combustion system leaks ^m								
Review requests for approval of alternative means of combustion system leak control	0.5	2.0	0.0	2.5	\$140.02	28.5	71.3	\$3,990.46
Notify applicants of EPA's determination	0.3	0.0	0.3	0.5	\$24.72	28.5	14.3	\$733.13
Data in lieu of the initial comprehensive performance test ⁿ								
Review requests to base initial compliance data in lieu of a comprehensive performance test	2.0	20.0	0.0	22.0	\$1,188.48	5.7	125.4	\$6,774.34
Notify applicants of the EPA's determination	0.3	0.0	0.3	0.5	\$24.72	5.7	2.9	\$146.63
Notification of performance test and CMS performance evaluation and approval of test plan and CMS performance evaluation plan ^o								
Review notifications of intention to conduct a performance test	0.3	0.3	0.0	0.5	\$30.73	34.2	17.1	\$1,051.03
Review notifications of delay in conducting a performance test	0.3	0.3	0.0	0.5	\$30.73	3.4	1.7	\$105.10
Review site-specific comprehensive performance test plans	5.0	50.0	0.0	55.0	\$2,971.20	34.2	1881.0	\$101,615

Review site-specific confirmatory performance test plans	2.0	10.0	0.0	12.0	\$664.80	20.5	246.2	\$13,641.70
Notify applicants of the EPA's determination	0.3	0.0	0.3	0.5	\$24.72	34.2	17.1	\$1,529.56
Notification of compliance ^p								
Review notifications of compliance	3.0	40.0	0.0	43.0	\$2,306.40	57.0	2451.0	\$131,465
Review requests for a time extension for Notification of Compliance	0.3	4.0	0.0	4.3	\$227.11	5.7	24.2	\$1,294.54
Notify applicants of the EPA's determination	0.3	0.0	0.3	0.5	\$24.72	5.7	2.9	\$140.93
Waiver of performance tests and request for time extension ^p								
Review requests to waive a performance test or extension for conducting a performance test (other than the initial comprehensive performance test)	4.0	16.0	0.0	20.0	\$1,120.13	5.7	114.0	\$6,384.73
Notify applicants of EPA's determination	0.3	0.0	0.3	0.5	\$24.72	5.7	2.9	\$140.93
Alternative compliance, monitoring requirements for standards other than those monitored with a CEMS ^q								
Review requests for approval of alternative monitoring methods, except for standards that must be monitored with a CEMS	0.5	10.0	0.0	10.5	\$558.96	5.7	59.9	\$3,186.07
Review requests for approval of a waiver of an operating parameter limit	1.0	10.0	0.0	11.0	\$594.24	0.0	0.0	\$0
Notify applicants of the EPA's determination for approval of alternative monitoring requirements	0.3	0.0	0.3	0.5	\$24.72	5.7	2.9	\$146.63
Notify applicants of the EPA's determination for approval of a waiver of an operating parameter limit	0.3	0.0	0.3	0.5	\$24.72	0.0	0.0	\$0
Dioxins and furans ^q								
Review requests for approval to substitute a different brand or type of carbon	0.5	2.0	0.0	2.5	\$140.02	0.0	0.0	\$0
Review requests for approval to substitute a different brand								

or type of inhibitor	0.5	2.0	0.0	2.5	\$140.02	0.0	0.0	\$0
Notify applicants of the EPA's determination for approval to substitute a different brand or type of carbon	0.5	0.3	0.0	0.8	\$48.37	0.0	0.0	\$0
Notify applicants of the EPA's determination for approval to substitute a different brand or type of inhibitor	0.5	0.3	0.0	0.8	\$48.37	0.0	0.0	\$0
Mercury ^{q,r}								
Review requests for approval to use a CEMS in lieu of operating parameter limits	0.3	2.0	0.0	2.3	\$122.38	0.0	0.0	\$0
Review requests to extrapolate mercury feedrate limits	0.3	2.0	0.0	2.3	\$122.38	5.7	12.8	\$697.54
Notify applicants of the EPA's determination to extrapolate mercury feedrate limits	0.3	0.0	0.3	0.5	\$24.72	5.7	2.9	\$146.63
Notify applicants of the EPA's determination for approval to use a CEMS	0.3	0.0	0.3	0.5	\$24.72	0.0	0.0	\$0
Semivolatile and low semivolatile metals ^{q,r}								
Review requests for approval to use a CEMS in lieu of operating parameter limits	0.3	2.0	0.0	2.3	\$122.38	0.0	0.0	\$0
Review requests to extrapolate semivolatile metal and low volatile metal feedrate limits	0.3	2.0	0.0	2.3	\$122.38	5.7	12.8	\$697.54
Notify applicants of the EPA's determination to extrapolate SVM and LVM feedrates	0.3	0.0	0.3	0.5	\$24.72	5.7	2.9	\$146.63
Notify applicants of the EPA's determination for approval to use a CEMS	0.3	0.0	0.3	0.5	\$24.72	0.0	0.0	\$0
Total chlorine (hydrogen chloride and chlorine gas) ^q								
Review requests for approval to substitute a different brand or type of sorbent	0.3	2.0	0.0	2.3	\$122.38	5.7	12.8	\$697.54
Review requests for approval to use a CEMS in lieu of operating parameter limit	0.3	2.0	0.0	2.3	\$122.38	0.0	0.0	\$0

Notify applicants of the EPA's determination for approval to substitute a different brand or type of sorbent	0.3	0.0	0.3	0.5	\$24.72	5.7	2.9	\$146.63
Notify applicants of the EPA's determination for approval to use a CEMS	0.3	0.0	0.3	0.5	\$24.72	0.0	0.0	\$0
Quality control program ^s								
Review CMS quality control program	0.3	10.0	0.0	10.3	\$541.32	5.7	58.4	\$3,085.52
Notify applicants of EPA's determination	0.3	0.0	0.3	0.5	\$24.72	5.7	2.9	\$380.33
Notification of performance evaluation ^t								
Review notifications of CMS performance evaluation	0.0	0.3	0.1	0.4	\$15.93	28.5	10.0	\$453.88
Additional notification requirements for sources with continuous monitoring systems ^t								
Review additional notification requirements for source with CEMS	0.3	1.0	0.0	1.3	\$70.01	28.5	35.6	\$1,995.23
Submission of site-specific performance evaluation test plan ^u								
Review site-specific performance evaluation test plans	1.0	10.0	0.0	11.0	\$594.24	34.2	376.2	\$20,323.01
Notify applicants of the EPA's determination	0.3	0.0	0.3	0.5	\$24.72	34.2	17.1	\$1,529.56
Reporting results of continuous monitoring system performance evaluations ^u								
Review written reports of the results of the CMS performance evaluation	0.5	5.0	0.0	5.5	\$297.12	34.2	188.1	\$10,161.50
Notice of Intent to Comply ^v								
Review draft and final NIC	2.0	30.0	0.0	32.0	\$1,712.16	1.0	32.0	\$1,732.16
Attend public meeting	0.0	10.0	0.0	10.0	\$523.68	1.0	10.0	\$523.68
Initial notification ^w								
Review initial notifications	0.3	1.0	0.0	1.3	\$70.01	1.0	1.3	\$70.01
Review applications of approval of construction	0.3	10.0	0.0	10.3	\$541.32	1.0	10.3	\$541.32
Review applications of approval of reconstruction, as applicable	0.3	1.0	0.0	1.3	\$70.01	1.0	1.3	\$70.01
Notify applicants of the EPA's determination	0.3	0.0	0.3	0.5	\$24.72	1.0	0.5	\$25.72

Adjustment to time periods or postmark deadlines for submittal and review of equipped communications ^x									
Review requests for an adjustment to time periods or postmark deadlines for submittal and review of required information	0.5	1.0	0.0	1.5	\$87.65	14.3	21.4	\$1,248.98	
Notify applicants of the EPA's determination	0.3	0.0	0.3	0.5	\$24.72	14.3	7.1	\$366.57	
Request to reduce frequency of excess emissions an continuous monitoring system performance results ^y									
Review requests to reduce the frequency of excess emissions and CMS performance reports	0.5	1.0	0.0	1.5	\$87.65	5.7	8.6	\$499.59	
Notify applicants of the EPA's determination	0.3	0.0	0.3	0.5	\$24.72	5.7	2.9	\$146.63	
Waiver of record keeping and reporting requirements ^z									
Review waivers of recordkeeping or reporting	0.5	1.0	0.0	1.5	\$87.65	0.6	0.9	\$49.96	
Notify applicants of the EPA's determination	0.3	0.0	0.3	0.5	\$24.72	0.6	0.3	\$14.66	
Startup shutdown and malfunction reports ^{aa}									
Review startup, shutdown, and malfunction report, as applicable	0.3	5.0	0.0	5.3	\$279.48	14	74.8	\$3,982.59	
Review immediate startup, shutdown, and malfunction report, as applicable	0.3	1.0	0.0	1.3	\$70.01	6	7.1	\$399.05	
Excess emissions and continuous monitoring system performance report and summary report ^{bb}									
Review excess emissions and monitoring system performance reports and summary reports	0.3	5.0	0.0	5.3	\$279.48	57.0	299.3	\$15,930.36	
Notify applicants of EPA's determination	0.3	0.0	0.3	0.5	\$24.72	57.0	28.5	\$1,466.27	
Data compression ^{cc}									
Review requests for approval to use date compression techniques to record data on a less frequent basis	0.5	1.0	0.0	1.5	\$87.65	14.3	21.4	\$1,248.98	
Notify applicants of the EPA's determination	0.3	0.0	0.3	0.5	\$24.72	14.3	7.1	\$366.57	
Performance									

Evaluation ^{dd}								
Review data collected from CEMS performance evaluation	0.5	5.0	0.0	5.5	\$297.12	0.0	0.0	\$0
Notify applicants of EPA's determination	0.3	0.0	0.3	0.5	\$24.72	0.0	0.0	\$0
Use of alternative CEMS spans ^{ee}								
Review requests for approval to use alternative CEMS spans and ranges	1.0	4.0	0.0	5.0	\$280.03	0.0	0.0	\$0
Notify applicants of the EPA's determination	0.3	0.0	0.3	0.5	\$24.72	0.0	0.0	\$0
Alternative Risk Based Chlorine Standards ^{ff}								
Review request for use of alternative risk based chlorine standards	3.0	20.0	2.0	25.0	\$1,315.71	14.3	356.3	\$18,763.15
Compliance with alternative MACT standards ^{gg}								
Review operating record documenting compliance with all applicable CAA requirements and standards when not burning hazardous waste	0.5	2.0	0.0	2.5	\$140.02	2.9	7.1	\$399.05
Notify applicants of EPA's determination	0.3	0.0	0.3	0.5	\$24.72	2.9	1.4	\$73.31
Hazardous waste residence time ^{hh}								
Review determination of hazardous waste residence time	0.3	2.0	0.0	2.3	\$122.38	1.0	2.3	\$122.38
Notify applicants of EPA's determination	0.3	0.0	0.3	0.5	\$24.72	1.0	0.5	\$25.72
Operator training and certification ⁱⁱ								
Review operator training and certification programs	0.3	15.0	0.0	15.3	\$803.16	5.7	86.9	\$4,578.01
Notify applicants of EPA's determination	0.3	0.0	0.3	0.5	\$24.72	5.7	2.9	\$254.93
Additional mailing materials and postage costs (non-labor)								\$2,150
TOTAL ANNUAL BURDEN AND COST (ROUNDED) ^{jj}							7870	\$428,000

^a The total number of respondents estimated over the next three years is based on approximately 168 existing units at 94 facilities that are subject to the standard, with three new units (one per year) over the same period, resulting in an average of 170 existing respondents and 1 new respondent per year. The overall average number of respondents submitting reports in each year is calculated as one-third of the total respondents and is 57 respondents per year.

^b Labor cost is based on the following hourly labor rates times a 1.6 benefits multiplication factor to account for government overhead expenses: \$64.80 for Managerial (GS-13, Step 5, \$40.50 x 1.6), \$48.08 for Technical (GS-12, Step 1, \$30.05 x 1.6) and \$26.02 Clerical (GS-6, Step 3, \$16.26 x 1.6). These rates are from the Office of Personnel Management (OPM), 2017 General Schedule, which excludes locality rates of pay.

- ^c It is estimated that of the sources reporting annually with ESPs or IWSs, 90% will request to use operating parameter limits instead of continuous particulate detectors.
- ^d Assumes all HWCs have already developed and implemented feedstream analysis plans under current RCRA requirements (referred to as the waste analysis plan). There is no incremental burden for this requirement.
- ^e It is estimated that 10% of sources will submit a one-time request for a compliance extension due to the installation of controls, and that another 10% will submit a one-time request for a compliance extension for waste minimization purposes.
- ^f Assumes 20% of all facilities operating an HWC will apply for an extension each year.
- ^g It is estimated that 50% of the sources reporting annually will be making design, operation, and maintenance changes to comply with the MACT rule.
- ^h It is anticipated that 39 sources (among all HWC) will conduct PM CEMS correlation testing over the 3-year period of this ICR and request a waiver of PM and opacity standards during the testing.
- ⁱ Assumes 10% of respondents will submit a petition for an alternative particulate matter standard for liquid fuel boilers with low feedrates.
- ^j Assumes 1 new respondent and 10% of existing respondents reporting annually will develop or revise the SSM plan and resubmit the plan for approval.
- ^k Assumes 10% of respondents will submit AWFCO excessive exceedance reports.
- ^l It is estimated that 50% of hazardous waste incinerators reporting annually have ESVs and will develop an ESV operating plan. On average, each unit will have 3 ESV openings per year.
- ^m It is estimated that respondents will request approval for 50% of all sources for use of an alternative means to provide control of combustion system leaks (control through a positively sealed combustion chamber).
- ⁿ It is estimated that 10% of all sources reporting annually will submit a request to use previous emissions test data to serve as documentation of compliance with emission standards.
- ^o Assumes 60% of respondents must conduct a comprehensive performance test every 3 years and 60% of respondents must conduct a confirmatory performance every 5 years.
- ^p All facilities will submit a Notification of Compliance. It is estimated that 10% of facilities conducting the comprehensive performance test will apply for a waiver or time extension.
- ^q It is estimated that 10% of all facilities will apply for and receive approval to use alternative monitoring requirements to document compliance with the emission standards of Subpart EEE other than CO or HC which are monitored with a CEMS. It is estimated that no facilities will make a request to use alternative operating parameters or methods to CEMS or CEMS in lieu of operating parameters.
- ^r It is estimated that no existing sources will chose to use a CEMS for compliance monitoring and that 10% of sources will make a request to set feedrate limits with extrapolation.
- ^s It is estimated that EPA will request additional relevant information for the site-specific CMS performance test plan from 10% of the sources performing the test.
- ^t As part of the comprehensive performance test, HWCs will submit a CMS quality control program, notification of performance evaluation and additional notification requirements; we estimate that 50% of sources have submitted a CMS quality control program at this time.
- ^u HWCs are also required to submit performance evaluation test plan, and conduct a CMS performance test. We estimate 60% of sources would submit test plans and conduct performance testing along with their comprehensive performance testing.
- ^v Assumes one respondent will prepare a draft NIC, notify the public about a NIC meeting, conduct the NIC meeting, prepare a final NIC with meeting comments, submit the NIC to EPA, and complete the progress report for one new HWC.
- ^w Assumes one respondent will submit initial notifications for a new HWC.
- ^x We estimate that 25% of all facilities will submit a request for an adjustment to a time period or postmark deadline.
- ^y It is estimated that 10% of facilities will submit a request to reduce frequency of excess emissions and continuous system performance reports from a quarterly (or more frequent basis).
- ^z It is estimated that 1% of all facilities reporting annually will submit a waiver of recordkeeping or reporting requirements.
- ^{aa} It is anticipated that 25% of facilities will take actions during a startup, shutdown, or malfunction that are consistent with the procedures specified in the facility's startup, shutdown, or

- malfunction plan. These facilities are required to submit a periodic startup, shutdown, and malfunction report. Another 10% of facilities will take actions that are not consistent with procedures specified in their plans. These facilities acquired to submit an immediate startup, shutdown, and malfunction report.
- bb It is anticipated that all facilities will submit an excess emissions and continuous monitoring system performance report and summary report.
- cc It is estimated that 25% of facilities will submit a request for approval to use data compression techniques.
- dd Burden for performance evaluations is included in the the notification of performance test and CMS performance evaluations.
- ee It is estimated that no source will submit requests to use an alternative CEMS span.
- ff It is estimated that 25% of facilities will request to comply with the alternative risk based chlorine standards.
- gg Assumes 5% of all respondents will document in the operating record compliance with alternative applicable Clean Air Act requirements and standards.
- hh Assumes one respondent will document the hazardous waste residence time in the operating record for a new HWC.
- ii Assumes 10% of respondents will update or develop the operator training and certification program each year.
- jj Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.
- kk It is estimated that 10% of sources will submit a one-time request for a compliance extension due to the installation of controls, and that another 10% will submit a one-time request for a compliance extension for waste minimization purposes.