

### ICR Summary Information

Hours per Response	71
Number of Respondents	16
Total Estimated Burden Hours	2,230
Total Estimated Costs	\$1,480,000
Annualized Capital O&M	\$1,210,000
Total Annual Responses	31

**Table 1: Annual Respondent Burden and Cost – NSPS for Commercial and Industrial Solid Part 60, Subpart CCCC (Renewal)**

Burden Item	(A)	(B)	(C)	(D)
	Respondent Hours per Occurrence	Number of Occurrences Per Respondent Per Year	Hours Per Respondent Per Year (C=AxB)	Number of Respondents Per Year <sup>a</sup>
1. Applications	N/A			
2. Surveys and Studies	N/A			
3. Reporting Requirements				
A. Familiarize with regulatory requirements <sup>c</sup>	1	1	1	16
B. Required Activities				
1) Initial stack test and report (PM, dioxins/furans, opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO2)	See Capital/ Startup Costs			1
2) Annual stack test and test report (PM, HCl, Opacity, and Fugitive Ash)	See O&M Costs			15
3) Operator training and qualification				
a) Establish and teach operator qualification course <sup>d</sup>	64	1	64	1
b) Obtain operator qualification <sup>d</sup>	72	1	72	1
c) Annual refresher course	12	1	12	15
d) Initial review of site-specific information	See 3A			
e) Annual review of site-specific information	8	1	8	15
4) Establish operating parameters (maximum and minimum) <sup>d</sup>	40	1	40	1
5) Continuous parameter monitoring (including CEMS)				
a) Initial monitoring	17	1	17	1
b) Annual monitoring	17	1	17	15
C. Create Information	See 3B			
D. Gather Information	See 3E			
E. Report Preparation				
1) Notification of initial performance test <sup>d</sup>				
a) Pollutants, fugitive ash emissions	2	1	2	1
b) Fugitive Ash Emissions	1	1	1	1
2) Notification of initial CMS Demonstration <sup>d</sup>	2	1	2	1
3) Report of initial performance test <sup>d</sup>				
a) Pollutants, fugitive ash emissions	8	1	8	1
b) Fugitive Ash Emissions	2	1	2	1
4) Report of initial CMS demonstration	See Capital/ Startup Costs			
5) Report prior to construction (includes siting analysis) <sup>d</sup>	160	1	160	1
6) Report prior to initial start-up <sup>d,e</sup>				
a) Without site specific parameter petition	6	1	6	0.67
b) With site specific parameter petition	14	1	14	0.33
7) Report of initial stack test	See 3B(1)			

8) Report established values for site-specific operating parameters	See 3B(4)			
9) Waste management plan <sup>d</sup>	160	1	160	1
10) Annual Report: Results of performance tests conducted during the year	40	1	40	15
11) Notification for qualified operators that are off-site for more than 2 weeks <sup>f</sup>	8	2	16	1.5
12) Status report for qualified operators that are off-site for more than 2 weeks <sup>f</sup>	8	2	16	1.5
13) Semiannual report of emissions/parameter exceedances <sup>g</sup>	24	2	48	1.6
<b>Subtotal for Reporting Requirements</b>				
<b>4. Recordkeeping Requirements</b>				
A. Familiarize with regulatory requirements	See 3A			
B. Plan Activities	See 3B			
C. Implement Activities	See 3B			
D. Develop Record System	N/A			
E. Record Information				
1) Records of operating parameters	See 3B(5b)			
2) Records of periods for which minimum amount of data on operating parameters were not obtained <sup>g</sup>	0.5	52	26	1.6
3) Records of malfunction of the unit <sup>g</sup>	1.5	1	1.5	1.6
4) Records of exceedances of the operating parameters <sup>g</sup>	1.5	2	3	1.6
5) Records of stack tests	See 3E			
6) Records of siting analysis	See 3E			
7) Records of persons who have reviewed operating procedures	1	1	1	16
8) Records of persons who have completed operator training	1	1	1	16
9) Records of persons who meet operator qualification criteria	1	1	1	16
10) Records of monitoring device calibration	See 3B			
11) Records of site-specific documentation <sup>e</sup>	24	1	24	0.33
F. Personnel Training	See 3B			
G. Time for Audits	N/A			
<b>Subtotal for Recordkeeping Requirements</b>				
<b>Total Labor Burden and Costs (rounded) <sup>h</sup></b>				
<b>Total Capital and O&amp;M Cost (rounded) <sup>h</sup></b>				
<b>Grand Total (rounded) <sup>h</sup></b>				

**Assumptions:**

<sup>a</sup> We assume there are 15 existing sources subject to the rule and 1 additional new source per year (one new response period of this ICR).

<sup>b</sup> This ICR uses the following labor rates for privately-owned sources: \$157.61 (\$75.05 + 110%) for managerial, \$75.05 + 110% for clerical labor. These rates are from the United States Department of Labor, Bureau of Labor Statistics occupational and industry group." The rates are from column 1, "Total compensation." The rates have been increased to reflect the additional overhead business costs of employing workers beyond their wages and benefits, including the cost of equipping their employees.

- <sup>c</sup> We assume that all sources will have to familiarize with the regulatory requirements each year.
- <sup>d</sup> These are one-time only costs associated with the startup of a new source. We assume there will be 1 new response.
- <sup>e</sup> We assume that one-third of the facilities will petition for site-specific parameters.
- <sup>f</sup> We assume that 10 percent of the existing facilities would not have a qualified operator available for more than two weeks (which requires 2 notifications, 1 for when the deviation occurs and 1 for when operation resumes). We also assume that 10 percent of the existing facilities would not have a qualified operator available for more than two weeks (which requires 2 notifications, 1 for when the deviation occurs and 1 for when operation resumes).
- <sup>g</sup> We assume that 10 percent of all facilities (both new and existing) would have a malfunction or an exceedance due to a malfunction.
- <sup>h</sup> Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

**id Waste Incineration (CISWI) Units (40 CFR**

(E)	(F)	(G)	(H)
Technical Hours Per Year (E=CxD)	Management Hours Per Year (F=Ex0.05)	Clerical Hours Per Year (G=Ex0.1)	Total Labor Costs Per Year <sup>b</sup>
16	0.8	1.6	\$2,209.16
64	3.2	6.4	\$8,836.64
72	3.6	7.2	\$9,941.22
180	9	18	\$24,853.05
120	6	12	\$16,568.70
40	2	4	\$5,522.90
17	0.85	1.7	\$2,347.23
255	12.75	25.5	\$35,208.49
2	0.1	0.2	\$276.15
1	0.05	0.1	\$138.07
2	0.1	0.2	\$276.15
8	0.4	0.8	\$1,104.58
2	0.1	0.2	\$276.15
160	8	16	\$22,091.60
4	0.2	0.4	\$552.29
4.7	0.23	0.47	\$644.34

Labor Rates	
Management	\$157.61
Technical	\$123.94
Clerical	\$62.52

160	8	16	\$22,091.60
600	30	60	\$82,843.50
24	1.2	2.4	\$3,313.74
24	1.2	2.4	\$3,313.74
76.8	3.84	7.68	\$10,603.97
<b>2,107</b>			<b>\$253,013</b>
41.6	2.08	4.16	\$5,743.82
2.4	0.12	0.24	\$331.37
4.8	0.24	0.48	\$662.75
16	0.8	1.6	\$2,209.16
16	0.8	1.6	\$2,209.16
16	0.8	1.6	\$2,209.16
8	0.4	0.8	\$1,104.58
<b>121</b>			<b>\$14,470</b>
<b>2,230</b>			<b>\$267,000</b>
			<b>\$1,210,000</b>
			<b>\$1,480,000</b>

hr/response

dent) will become subject to the rule during the three-year

123.94 (\$59.02 + 110%) for technical, and \$62.52 (\$29.77 , September 2021, “Table 2. Civilian Workers, by ed by 110 percent to account for varying industry wage business expenses associated with hiring, training, and

dent per year.

70 weeks at least once a year (Note: each deviation  
each deviation will require only two status reports.

uring the year.

**Table 2: Average Annual EPA Burden and Cost – NSPS for Commercial and Industrial Solid Waste Incinerators, Subpart CCCC) (Renewal)**

Burden Item	(A)	(B)	(C)	(D)	(E)
	EPA Hours per Occurrence	Number of Occurrences Per Respondent Per Year	EPA Hours Per Respondent Per Year (C=AxB)	Number of Respondents Per Year <sup>a</sup>	Technical Hours Per Year (E=CxD)
1. Applications	N/A				
2. Familiarize with regulatory requirements	16	1	16	0	0
3. Required Activities					
A. Observe initial stack tests (PM, dioxins/furans, opacity, HCl, Cd, Pb, Hg, CO, NOx, and SO <sub>2</sub> ) <sup>c</sup>	48	1	48	0.2	9.6
B. Excess emissions -- Enforcement Activities <sup>d</sup>	24	1	24	1.6	38.4
C. Create Information	N/A				
D. Gather Information	N/A				
E. Report Reviews					
1) Review waste management plan and siting analysis <sup>e</sup>	8	1	8	1	8
2) Review report submitted prior to initial startup <sup>e</sup>	2	1	2	1	2
3) Review initial stack test report <sup>e</sup>	40	1	40	1	40
4) Review annual compliance report	8	1	8	15	120
5) Review semi-annual excess emission and parameter exceedance report <sup>d</sup>	16	1	16	1.6	25.6
6) Review notifications and status reports for qualified operators off-site <sup>f</sup>	4	4	16	1.5	24
F. Prepare annual summary report <sup>g</sup>	4	1	4	50	200
<b>TOTAL (rounded)<sup>h</sup></b>					

**Assumptions:**

<sup>a</sup> We assume there are 15 existing sources subject to the rule and 1 additional new source per year (one new respondent during the three-year period of this ICR).

<sup>b</sup> This ICR uses the following labor rates: \$70.56 (GS-13, Step 5, \$44.10 + 60%) for managerial, \$52.37 (GS-12, Step \$28.34 (GS-6, Step 3, \$17.71 + 60%) for clerical labor. These rates are from the Office of Personnel Management (OPM) and excludes locality rates of pay. The rates have been increased by 60 percent to account for the benefit packages available.

<sup>c</sup> Assumes EPA personnel attend 20 percent of the stack tests. We estimate initial stack test observations will take 48 hours.

<sup>d</sup> Assume that 10 percent of all facilities (both existing and new) have an exceedance during the year.

<sup>e</sup> These are one-time only costs associated with the startup of a new source. We assume there will be 1 new respondent per year.

<sup>f</sup> We assume that 10 percent of the existing facilities would not have a qualified operator available for more than two weeks. A two-week deviation requires 2 notifications, 1 for when the deviation occurs and 1 for when operation resumes. We also assume two status reports.

<sup>g</sup> We assume that each state (i.e., 50 respondents) will take 4 hours to prepare an annual summary of progress for implementation.

<sup>h</sup> Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.



ation (CISWI) Units (40 CFR Part

(F)	(G)	(H)
Management Hours Per Year (F=Ex0.05)	Clerical Hours Per Year (G=Ex0.1)	Total Costs, \$ <sup>b</sup>
0	0	\$0
0.48	0.96	\$564
1.92	3.84	\$2,255
0.4	0.8	\$470
0.1	0.2	\$117
2	4	\$2,349
6	12	\$7,048
1.28	2.56	\$1,504
1.2	2.4	\$1,410
10	20	\$11,746
<b>538</b>		<b>\$27,500</b>

Labor Rates	
Management	\$70.56
Technical	\$52.37
Clerical	\$28.34

it) will become subject to the rule

1, \$32.73 + 60%) for technical, and M), 2022 General Schedule, which e to government employees.

hours per plant.

t per year.

weeks at least once a year (Note: each e that each deviation will require only

ementing state plans.

<b>Capital/Startup vs. Operation and Maintenance</b>			
<b>(A)</b>	<b>(B)</b>	<b>(C)</b>	<b>(D)</b>
<b>Continuous Monitoring Device</b>	<b>Capital/Startup Cost for One Respondent <sup>a</sup></b>	<b>Number of New Respondents</b>	<b>Total Capital/Startup Cost, (B X C)</b>
Bag Leak Detectors	\$3,788	1	\$3,788
CO CEMS	\$13,639	1	\$13,639
ACI Monitors	\$0	1	\$0
Stack Tests	\$59,533	1	\$59,533
Postage for Performance Tests	\$8.12	1	\$8
Postage for Semiannual Reports	\$0	0	\$0
<b>Totals (rounded) <sup>b</sup></b>			<b>\$77,000</b>

<sup>a</sup> Costs were adjusted from 2010\$ to 2020\$ using the Chemical Engineering Plant Cost Index (CEPCI).

<sup>b</sup> Totals have been rounded to 3 significant digits. Figures may not add exactly due to rounding.

**(O&M) Costs**

(E)	(F)	(G)
Annual O&M Costs for One Respondent <sup>a</sup>	Number of Respondents with O&M	Total O&M, (E X F)
\$10,500	15	\$157,493
\$44,812	15	\$672,186
\$4,546	15	\$68,193
\$15,731	15	\$235,963
\$8.12	15	\$122
\$16.24	1	\$16
		<b>\$1,130,000</b>

Total Capital &amp; O&amp;M:

\$1,210,000



<b>Total Annual Responses</b>				
(A)	(B)	(C)	(D)	(E)
Information Collection Activity	Number of Respondents	Number of Responses	Number of Existing Respondents That Keep Records But Do Not Submit Reports	Total Annual Responses $E=(B \times C)+D$
Report prior to construction (includes siting analysis)	1	1	0	1
Report prior to initial start-up	1	1	0	1
Notification of initial performance test	1	1	0	1
Notification of initial CMS Demonstration	1	1	0	1
Report of initial performance test	1	1	0	1
Report established values for site-specific operating parameters	1	1	0	1
Waste management plan	1	1	0	1
Annual Report <sup>a</sup>	15	1	0	15
Notification for qualified operators that are off-site for more than 2 weeks <sup>b</sup>	1.5	2	0	3
Status report for qualified operators that are off-site for more than 2 weeks <sup>b</sup>	1.5	2	0	3
Semiannual report of deviations: emissions/parameter exceedances <sup>c</sup>	1.6	2	0	3.2
			<b>Total</b>	<b>31</b>

<sup>a</sup> We assume existing respondents submit annual reports and the one new respondent submits initial reports.

<sup>b</sup> We assume that these activities will apply to 10 percent of existing facilities.

<sup>c</sup> We assume that 10 percent of all facilities (both new and existing) would have a malfunction or an exceedance during the year.

<b>Number of Respondents</b>				
	<b>Respondents That Submit Reports</b>		<b>Respondents That Do Not Submit Any Reports</b>	
	<b>(A)</b>	<b>(B)</b>	<b>(C)</b>	<b>(D)</b>
<b>Year</b>	<b>Number of New Respondents <sup>a</sup></b>	<b>Number of Existing Respondents</b>	<b>Number of Existing Respondents that keep records but do not submit reports</b>	<b>Number of Existing Respondents That Are Also New Respondents</b>
1	1	14	0	0
2	1	15	0	0
3	1	16	0	0
Average	1	15	0	0

<sup>a</sup> New respondents include sources with constructed, reconstructed, and modified affected facilities.

<b>(E)</b>
<b>Number of Respondents (E=A+B+C-D)</b>
15
16
17
<b>16</b>