

Table 1: Annual Respondent Burden and Cost – NSPS for Lead-Acid Battery Manufacturing

117.92

Burden item	(A) Person hours per occurrence	(B) No. of occurrences per respondent per year	(C) Person hours per respondent per year (AxB)	(D) Respondents per year ^a	(E) Technical person-hours per year (Cx D)
1. Applications	N/A				
2. Survey and Studies	N/A				
3. Reporting Requirements					
A. Familiarization with the regulatory requirements	1	1	1	52	52
B. Required Activities					
New Sources					
Initial performance test ^c	20.87	1	20.87	0	0
Repeat performance test ^d	20.87	1	20.87	0	0
New and Existing Sources					
Monitoring of emissions and operations	See 4E				
C. Create information	See 3B				
D. Gather existing information	See 3E				
E. Write Report					
New Sources					
Notification of construction/reconstruction/modification	1.74	1	1.74	0	0
Notification of initial startup	1.74	1	1.74	0	0
Notification of CMS demonstration	1.74	1	1.74	0	0
Notification of initial performance test	1.74	1	1.74	0	0
Report of performance test	See 3B				
New and Existing Sources					
Semiannual reports ^e	13.91	2	27.82	13	361.66
Subtotal for Reporting Requirements					
4. Recordkeeping requirements					
A. Familiarization with the regulatory requirements	See 3A				
B. Plan activities	See 4E				
C. Implement Activities	See 4E				
D. Develop record system	N/A				
E. Time to enter information					
Records monitoring of emissions and operations ^f	0.64	365	233.6	13	3,036.8
Records of startups, shutdowns, malfunctions, etc. ^g	1.3	1	1.3	52	67.6
F. Train Personnel	N/A				
G. Audits	N/A				
Subtotal for Recordkeeping Requirements					
TOTAL LABOR BURDEN AND COST (rounded) ^h					
TOTAL CAPITAL AND O&M COSTS (rounded): ^h					
GRAND TOTAL: ^h					

Assumptions:

- ^a We have assumed that there are approximately 52 sources currently subject to NSPS, subpart KK. We have assumed that there will be 52 sources in 2012.
- ^b This ICR uses the following labor rates: \$147.40 per hour for Executive, Administrative, and Managerial labor; \$117.92 per hour for other labor.
- ^c All sources are required to use Method 9 for opacity observations, except for lead oxide manufacturing facilities. All respondents are required to use Method 9 for opacity observations.
- ^d We have assumed that 20 percent of initial performance tests must be repeated due to failure.
- ^e Semiannual reports are required by this rule for those sources that have to install continuous monitoring systems (e.g., pressure drop).
- ^f Monitoring of emissions and operations requirements includes pressure drop measurements across the scrubbing system at least every 6 months.
- ^g We have assumed it will take 1.3 hours to record startup, shutdown, and malfunctions annually.
- ^h Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.”

(40 CFR Part 60, Subpart KK) (Renewal)

147.4 57.02

(F) Management person hours per year (Ex0.05)	(G) Clerical person hours per year (Ex0.1)	(H) Total Cost Per year _b
2.6	5.2	\$6,812
0	0	\$0
0	0	\$0
0	0	\$0
0	0	\$0
0	0	\$0
0	0	\$0
18.08	36.17	\$47,374.57
476		\$54,186.15
151.84	303.68	\$397,796.51
3.38	6.76	\$8,855.06
3,570		\$406,651.56
4,050		\$461,000
		\$11,700
		\$473,000

62 hrs per response

There will be no new sources over the period of this ICR. Therefore, the average number of respondents per year is estimated to be 52.
for Technical labor, and \$57.02 per hour for Clerical labor. These rates are from the United States Department of Labor, Bureau of Labor Statistics.
would have to perform Method 12 to calculate the lead concentration and the volumetric flow rate of the effluent gases. It requires at least

one person to operate each monitor across the scrubbing systems). We have assumed that 25% of the sources (i.e., 13 sources) have scrubbing systems.
every 15 minutes, if applicable. We have assumed that 25% of the sources (i.e., 13 sources) have scrubbing systems.

oer Statistics, September 2018, "Table 2: Civilian Workers, by Occupational and Industry Group." The rates are from column 1, "Total three runs of 60 minutes and 0.85 dscm.

al Compensation.” The rates have been increased by 110 percent to account for the benefit packages available to those employed by]

private industry.

Table 2: Average Annual EPA Burden and Cost – NSPS for Lead-Acid Battery Manufacturing (4

48.75 65.71

Activity	(A) EPA person-hours per occurrence	(B) No. of occurrences per plant per year	(C) EPA person-hours per plant per year (AxB)	(D) Plants per year ^a	(E) Technical person-hours per year (CxD)	(F) Management person-hours per year (Ex0.05)
New Sources						
Notification of construction/reconstruction	1.74	1	1.74	0	0	0
Notification of initial startup	0.87	1	0.87	0	0	0
Notification of CMS demonstration	0.87	1	0.87	0	0	0
Notification of Initial Performance Test	0.43	1.2	0.52	0	0	0
Initial Performance Test	20.87	1	20.87	0	0	0
Repeat of Performance Test ^c	20.87	0.2	4.17	0	0	0
Review Performance Test results ^c	6.96	1.2	8.35	0	0	0
New and Existing Sources						
Review of Semi-annual Reports ^d	2	1	2	13	26	1.3
TOTAL COST (rounded) ^e						30

Assumptions:

- ^a We have assumed that there are approximately 52 sources currently subject to NSPS, subpart KK. We have assumed that there will be n
- ^b This cost is based on the following hourly labor rates times a 1.6 benefits multiplication factor to account for government overhead exp
- ^c We have assumed that 20 percent of initial performance tests is typically repeated due to failure.
- ^d We have assumed that 25 percent of the 52 existing sources (i.e., 13 sources) have scrubber systems and are therefore, required to instal
- ^e Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.”

0 CFR Part 60, Subpart KK) (Renewal)

26.38

(G) Clerical person-hours per year (Ex0.1)	(H) Cost, \$ _b
0	\$0
0	\$0
0	\$0
0	\$0
0	\$0
0	\$0
0	\$0
0	\$0
2.6	\$1,421.51
	\$1,420

o new sources over the period of this ICR. Therefore, the average number of respondents per year is estimated to be 52.
 ences: \$65.71 for Managerial, \$48.75 for Technical and \$26.38 for Clerical. These rates are from the Office of Personnel Managemer

l and maintain a monitor to measure and record pressure drop across the scrubbing system, and submit semi-annual reports.

it (OPM) “2018 General Schedule” which excludes locality rates of pay.