

Table 1: Annual Respondent Burden and Cost - NSPS for Asphalt Processing and Roofing Manufacture (40 CFR I

Burden item	(A)	(B)	(C)	(D)
	Person-hours per occurrence	No. of occurrences per respondent per year	Person-hours per respondent per year (C=AxB)	Respondents per year ^a
1. Applications	N/A			
2. Survey and Studies	N/A			
3. Reporting requirements				
A. Familiarize with the regulatory requirements ^c	1	1	1	144
B. Required activities				
Initial performance tests ^d	72	1	72	2
Repeat of performance test ^{d, e}	72	1	72	0.2
C. Create Information	See 3B			
D. Gather existing information	See 3B			
E. Write report				
Notification of construction/ reconstruction ^f	2	1	2	2
Notification and demonstration of CMS ^g	40	1	40	2
Notification of actual startup	2	1	2	2
Notification of initial performance test	2	1	2	2
Report of performance test	See 3B			
Notification of physical or operational change ^h	2	1	2	2
Semiannual reports	24	2	48	144
Subtotal for Reporting Requirements				
4. Recordkeeping requirements				
A. Familiarize with the regulatory requirements	See 3A			
B. Plan activities	See 3B			
C. Implement activities	See 3B			
D. Develop record system	N/A			
E. Time to enter information				
Records of daily production rate and hours of operation ⁱ	0.13	250	32.5	144
Records of operating parameters of CMS ^j	0.25	250	62.5	144
Records of startup, shutdown, and malfunctions ^k	60	1	60	144
F. Train personnel	N/A			
G. Audits	N/A			
Subtotal for Recordkeeping Requirements				
TOTAL ANNUAL BURDEN AND COST (rounded) ^l				
CAPITAL AND O&M COST (rounded) ^l				
GRAND TOTAL (rounded) ^l				

Assumptions:

^a We have assumed that the average number of respondents that are subject to the regulation will be 144 with two source unde

- ^b This ICR uses the following labor rates: \$144.33 per hour for Executive, Administrative, and Managerial labor; \$108.28 per
- ^c We have assumed that all existing respondents will have to familiarize with the regulatory requirements each year.
- ^d We have assumed that it will take 72 hours of each respondent to perform the initial performance test.
- ^e We have assumed that 20 percent of respondents will fail the performance test and will have to repeat it.
- ^f We have assumed that each respondent will take two hours to write the notification of construction/reconstruction report.
- ^g We have assumed that each respondent will take 40 hours to write the notification and demonstration of CMS report.
- ^h We have assumed that each respondent will take 2 hours to write the notification of physical or operational change.
- ⁱ We have assumed that each respondent will enter information of daily production rate and hours of operation 250 times per y
- ^j We have assumed that each respondent will take 15 minutes 250 times per year to record the operating parameters of CMS.
- ^k We have assumed that each respondent will take 60 hours to record startup, shutdown, and malfunction information.
- ^l Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

Part 60, Subpart UU) (Renewal)

108.28 144.33 53.34

(E)	(F)	(G)	(H)
Technical person-hours per year (E=CxD)	Management person-hours per year (F=Ex0.05)	Clerical person-hours per year (G=Ex0.1)	Cost (\$) ^b
144	7.2	14.4	\$17,399.59
144	7.2	14.4	\$17,399.59
14.4	0.72	1.44	\$1,739.96
4	0.2	0.4	\$483.32
80	4	8	\$9,666.44
4	0.2	0.4	\$483.32
4	0.2	0.4	\$483.32
4	0.2	0.4	\$483.32
6,912	345.6	691.2	\$835,180.42
8,407			\$883,319
4,680	234	468	\$565,486.74
9,000	450	900	\$1,087,474.50
8,640	432	864	\$1,043,975.52
25,668			\$2,696,937
34,100			\$3,580,000
			\$5,240,000
			\$8,820,000

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300 114

ergoing reconstruction per year over the three-year period of this ICR.

hour for Technical labor, and \$53.34 per hour for Clerical labor. These rates are from the United States Department of

year.

of Labor, Bureau of Labor Statistics, September 2016, "Table 2. Civilian Workers, by Occupational and Industry group."

” The rates are from column 1, “Total Compensation.” The rates have been increased by 110 percent to account for the b

benefit packages available to those employed by private industry.

Table 2: Average Annual EPA Burden and Cost – NSPS for Asphalt Processing and Roofing Manufacture | 48.08

Activity	(A)	(B)	(C)	(D)	(E)
	EPA person-hours per occurrence	No. of occurrences per plant per year	EPA person-hours per plant per year (C=AxB)	Plants per year ^a	Technical person-hours per year (E=CxD)
Performance tests					
New or modified facility ^c	24	1	24	2	48
Repeat performance test					
New or modified facility ^d	24	0.2	4.8	2	9.6
Report review					
Notification of construction/reconstruction ^e	2	1	2	2	4
Notification of physical/operational changes ^f	2	1	2	2	4
Notification of actual startup	0.5	1	0.5	2	1
Notification of performance test	0.5	1	0.5	2	1
Review of performance test results ^g	8	1	8	2	16
Notification of demonstration of CMS	0.5	1	0.5	2	1
Semiannual reports	8	2	16	144	2,304
TOTAL ANNUAL BURDEN AND COST (rounded)					

Assumptions:

- ^a We have assumed that the average number of respondents will be 144 with two source undergoing reconstruction per year.
 - ^b The cost is based on the following labor rate which incorporates a 1.6 benefits multiplication factor to account for general contractor overhead and profit.
 - ^c We have assumed that it will take 24 hours of each respondent to perform initial performance test.
 - ^d We have assumed that 20 percent of respondents will fail the performance test and will have to repeat it.
 - ^e We have assumed that it will take each respondent two hours one-time per year to review notification of construction/reconstruction.
 - ^f We have assumed that it will take each respondent two hours one-time per year to review notification of physical/operational changes.
 - ^g We have assumed that it will take each respondent eight hours one-time per year to review the performance test results.
- ¹ Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding.

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

64.8 26.02

(F)	(G)	(H)
Management person-hours per year (Ex0.05)	Clerical person-hours per year	Cost (\$) ^b
2.4	4.8	\$2,588.26
0.48	0.96	\$517.65
0.2	0.4	\$215.69
0.2	0.4	\$215.69
0.05	0.1	\$53.92
0.05	0.1	\$53.92
0.8	1.6	\$862.75
0.05	0.1	\$53.92
115.2	230.4	\$124,236.29
2,750		\$129,000

er year over the three-year period of this ICR

overnment overhead expenses. Managerial rates of \$64.80, Technical rate of \$48.08, and Clerical rate of \$26.02. These rates :

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are from the Office of Personnel Management (OPM) "2017 General Schedule" which excludes locality rates of pay.

