Table 1A: Annual Respondent Burden and Cost: Privately-Owned Municipal Solid Waste Landfills - Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills (40 CFR Part 60, Subpart Cf) (Renewal)

Burden Item	(A) Person Hours per Occurrence	(B) Number of Occurrences Per Respondent	(C) Technical Person- Hours per Respondent Per Year	(D) Average Number of Respondents Per Year *	(E) Civil Engineer Technician Hours per Year (C x D)	(F) Civil Engineer Hours per Year	(G) Management Person- Hours per Year (F	(H) Clerical Person- Hours per Year (F x	(I) Total Labor Costs Per Year ^b	es		
		Per Year	(A x B)		(CAD)	(C x D)	x .05)	0.1)		Footnotes		
1. Applications	NA											Labo
2. Surveys and Studies	NA										Category	Rates
3. Reporting Requirements											Management	
A. Familiarize with Rule Requirements	15	1	15	1,185	0	17,380	869	1,738	\$1,823,495	с	Technical - Civil Engineer	
B. Required Activities											Technical - Civil Engineerin	18
 Initial performance test report 	12	1	12	18	0	216	11	22	\$22,663	d	Clerical	
quarterly	44	4	176	365	64.240	0	0	0	\$3,597,890	c	https://www.bls.gov/oes/cur	rent/oes,
 Wellhead monitoring monthly 	40	12	480	365	175.200	0	0	0	\$9,812,426			
C. Create Information	Included in 3B					-		-				
D. Gather Information	Included in 3B											
E. Report Preparation												
1. Initial design capacity report	2	1	2	15	0	30	2	3	\$3,148	f		
2. Amended design capacity report	2	1	2	13	0	26	1	3	\$2,728	g		
3. Report of NMOC rate (Tier 1)	8	1	8	8	0	64	3	6	\$6,715			
4. Report of NMOC rate (Tier 2)	12	1	12	8	0	96	5	10	\$10,072	h		
5. Landfill Closure Report	1	1	1	10	0	10	1	1	\$1,049	i		
6. Equipment Removal Report	36	1	36	0	0	0	0	0	\$0	i, j		
7. Collection and Control System Design Plan	80	1	80	18	0	1.440	72	144	\$151.084			
8. Revised C&C System design plan	20	1	20	1.8	0	36	2	44	\$151,064			
 Revised Cecc. System design plan 	Included in	1	20	1.0	U	30		-	33,700			
9. Initial Performance Test	Included in 3B Included in											
10. Compliance Report	3B											
11. Annual Report	27	1	27	365	0	9,855	493	986	\$1.033.978	m		
12. Corrective Action Analysis	15	1	15	1	0	15	1	2	\$1,033,570			
13. Implementation Timeline	15	1	15	1	0	15	1	2	\$1,574			
14. Root Cause Analysis	15	1	15	1	0	15	1	2	\$1,574			
15. Wet Landfill Monitoring Report	15	1	15	175	0	2.625	131	263	\$275.413			
Subtotal for Reporting Requirements	15		1.5	113	0	276.0		205	\$16,749,141			
4. Recordkeeping Requirements						270,0	130		310,749,141			
4. Recondeciping requirements	Included in									-		
A. Read Instructions	Included in 3a											
B. Plan Activities	NA											
C. Implement Activities	NA	-										
D. Develop Record System	NA											
E. Record Information							-					
	-											
 Data Compilation and Review (controllers) 	5	12	60	365	0	21,900	1,095	2,190	\$2,297,729	р		
 Recordkeeping and Data Storage (controllers) 	11	12	132	365	0	48,180	2,409	4,818	\$5,055,005	р		
 Recordkeeping and Data Storage (others) 	4	1	4	92	0	368	18	37	\$38,610	q		
E. Personnel Training	NA											
F. Time for Audits	NA											
Subtotal for Recordkeeping Requirements						81,0			\$7,391,344			
Total Labor Burden and Costs (rounded)						357,0	00		\$24,100,000			
Total Capital and O&M Cost (rounded)									\$1,520,000			
Grand Total (rounded)									\$25,600,000	r		

s Occupation Code \$119.85 11-9198 \$95.26 17-2051 \$56.01 17-3022 \$36.71 43-9061 s nat htm#1.1.0000

Assumption

We estimate that, during the three-year period of this ICR, there will be an average of 1.912 landfills per year (1,185 privately-owned) and 727 publicly-owned) subject to the requirements of Emission Guidelines Subpart Cf. Of these, an average of 652 landfills per year (365 privately-owned) and 287 publicly-owned) are controlling emissions.

This ICR uses men heavy wage for the following labor categories from the United States Department of Labor, Bareau of Labor Statistics, May 2019, "National Occupational Employment and Wage Estimates United States' for employees at privately-concel landfills: Managers, All Other for Managerial Labor, Givil Engineers, Corributions, and Office Clerks, General for Clerks Labor. The nets have been increased by 110 protection account for the benefits nackase svaliable to noise employed by private industry.

We estimate that, one the three year period of this ICB all repostents will need to familiaria with the requirements of the null-We have assumed that each respondent will take 40 hours in the first year to familiariae with the rule as the Federal Plan and State Plans are implemented, and 2 hours per year in the following two years to refamiliariar with the requirements. Therefore we have assumed an average of 5 in pre-consume per year ore the there year periods of this ICR (40 + 2 + 2 hor 3 years - 14 do ins).

We estimate that, over the three-year priod of this ICR, an average of 22 respondence super value of 44 publicly-worked will need to install controls, perform the initial performance test, and submit an initial performance test report. We assume that each respondent will take 12 hours to attend the test, review the report (written by the testing company), and submit the report.

⁴ We estimate that, over the three-year period of this LGR, an average of 652 repondents per year (365 privately-owned) and 207 publicly-owned) operating controlled landfills will need to conduct quartery sturfer emissions monitoring and nombly well emission monitoring. For surface monitoring, the mergage arrange of controlled land in stranding to be 174 areas and we discussed in a stranding to be transferred and the stranding to be transferred and the stranding to be transferred and the stranding term of the stranding to be transferred and the stranding to be transferred and the stranding the stranding to be transferred and the stranding the stranding term of the stra

¹ Based on the regulatory database, there are 164 landfills with design capacity less than 2.5 million megagame by mass or 2.5 million cubic meters by volume and thus will camplete the initial design capacity report in the first year of 16th GR. This is a one-time requirement. Based on the regulatory database, 75% (40) of these regulatories are public and 27% (10) are private.

⁴ We assume that 25 landfills per year (13 privately-owned and 12 publicly-owned) will have modifications requiring the submittal of an amended design capacity report during the three-year period of this ICR. Upon modification, these landfills become subject to NSPS Subpart XXX. Barden for the amended design capacity report is calculated under Subpart Cf.

¹ Landfills that do not meet control thresholds but meet the size thresholds of 2.5 million Mg must file TierI or Tier 2 reports. We estimate that, over the three-year period of this ICR, an average of 29 respondents pryces(7 pirvately-owned and 21 publicly-owned) will submit Tier 1 reports and another 29 respondents will submit Tier 1 reports. We estimate that, over the three-year period of this SOR, an uncontrolled and/files will use Tier 1 calculations annould and and by percent of time transcent of a uncontrolled and/files will use Tier 1 calculations annould and and by percent of time transcent of a uncontrolled and/files will use the transcent set of annotation annould and and by percent will use the transcent of a uncontrolled and/files will use that the calculations annould and and by percent will use the transcent set of annotation annould and and by percent will use the transcent set of annotation annould and and by percent will use the transcent set of annotation annould and and by percent will use the transcent set of annotation annould and and by percent will use the transcent set of annotation annould and and by percent will use the transcent set of annotation annould and and by percent will use the transcent set of annotation annould and annotation and the transcent set of annotation annota

We assume that 29 controlled landfills (10 privately-owned and 19 publicly-owned) will close during the three-year pecied of this ICR

We assume no landfills will remove control equipment during the three-year period of this ICR. Equipment Removal Report requires inclusion of 3 successive NMOC rates using Tier 2 calculations to demonstrate landfill is below the NMOC Inteshold.

Prior to installing a collection and control system, a landfill is required to submit a Collection and Control System Design Plan for approval. We estimate that an average of 32 landfills per year (18 privately-owned) and 14 publicly-owned) will submit a Collection and Control System Design Plan for approval during the three-year period of this ICR. This requirement applies only to landfills required to constru lander the revised 34 Mgyr requirement.

We have assumed that 10% of landfills installing a collection and control system will revise their collection and control system design plan. We estimate that, over the three-year period of this ICR, an average of 32 respondents per year (18 privately-owned and 14 publicly-owned) will submit a Collection and Control System Design Plan. This results in submittal of 3.2 C&C System Design Plan their services per year (18 to 14 + 14 × 01 = 2 revisions) year:

We sume that, during the three-year period of this EAL an average of our griveryle-sound landiff per year will be available of the second landiff per year will be available. The second landiff per year will be available to the second

Landfills with a design capacity equal to or greater than 2.5 million megagrams and 2.5 million cubic meters that have employed leachate recirculation or added liquids based on a Research, Development, and Demonstration permit must file this report. We assume that, during the three-year period of this ICR, 175 privately-owned landfills and 82 publicly-owned landfills will be required to life this report each year.

¹ We estimate that, over the three-year period of this ICR, an average of 652 respondents per year operating controlled landfills will need to compile, review and store these data records. The estimated barden was based on industry consultation of 1000 per month for recordingent and data storage per month and 5500 for data compilation and review per month fore comments records ICR meeted for subject WWH. (See 500, White simplementative) See facilitation per eccourses for data compilation and review and 11 hours for recordingent and data storage ICR meeted for subject WWH. (See 500, White simplementative) See facilitation per eccourses for data compilation and review and 11 hours for recordingent and storage ICR meeted and the storage of the

⁴ The average number of respondents per year subject to this recordiceping requirement is based on the total number of landfills that are subject to the standard but not controlling. These records are simpler for these sources than for landfills controlling emissions.

¹ Totals have been rounded to 3 significant figures. Figures may not add exactly due to rounding

Table 1B: Annual Respondent Burden and Cost: Publicly-Owned Municipal Solid Waste Landfills - Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills (40 CFR Part 60, Subpart Cf) (Renewal)

Applications Number of per Per Vess Per Vess Per Vess Textinate (x, x) Average Per Vess Per Vess Coli Enjorer (x) Coli Enjorer Per Vess (x, y) Coli Enjorer Per Vess Coli Enjorer Per Vess Total Jaber Per Vess Total Jaber Per Vess														
Bardes Irem Or annual productions productions (b, s, B) Number of Provide (b, s, B) Tubinical (b, c) and provide (b, s, B) Provide (b, s, B) Number of (b, s, B) Provide (b, s, B) Provide (b		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)					
Burden Loss Ocument Revention Per Versel Responder Revention Per Versel Revention Per Versel </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>Civil Engineer</td> <td>Civil Engineer</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						Civil Engineer	Civil Engineer							
Barden lerri Respondent Per Van Per Van										Costs Per Year				
L'Apérication Pri Year (A.s. B)	Burden Item	occurrence	Respondent	Per Year	Per Year *	(C x D)	(CXD)	x 05)	Year (F x					
LAgeInclusion NA Image of the programment of the pr						(0.0.0.)					\$			
LAgeInstant NA Image of the second s				· /							ē.			
LAgeInclusion NA Image of the programment of the pr											8			
2. Survey. and Studer NA Image: Constraint of the Repeting Registered in the Registered Registered in the Repeting Registered Registered in the Repeting Registered Registered in the Registered Registered Registered in the Repeting Registered Re	1 Applications	NA									щ.	Labor		
18. Popularizing Regularization 1 <th1< th=""> 1 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td>Occupation Code</td></th<></th1<>											-			Occupation Code
A. Facilitaria vide Rate Requiremente 15 1 15 7.7 0 10.663 53.118.76 C B. Reguind Activities 1 1 12 14 0 168 8 17 53.162 4 1. Initial performance terr prot 1 1 12 14 0 168 8 17 53.62 4 2. Suffer metanioning querity 44 4 176 207 50.512 0 0 0 57.55.2 c 2. Notice metanioning querity 44 4 176 207 17.760 0 0 0 57.55.2 c 2. Correct information Included in 38 1. Initial defigin capacity report 2 1 2 0 4 1 3 2. Anneed defigin gueity report 2 1 2 0 0 0 0 3 1. Initial defigin capacity report 2 1 2 40 0 10 2 3.56 1 2. Anneed defigin gueity report 2 1 2 10 10 2 3.56														11-9198
B. Begrief Activies Image of proteins even report 12 1 12 14 0 168 0 17.02 16 17.02 16 17.02 16 17.02 16 17.02 16 17.02 16 17.02 16 17.02 16 17.02 16 17.02 16 17.02 16 17.02 16 17.02 16 17.02 17.02 0 0 0 5.12,52,52 17.02 16 17.02 0 0 0 5.71,52,52 1 17.02 0 0 0 5.71,52,52 1 17.02 0 0 0 5.71,52,52 1 17.02 0 16 0 0 0 0 5.71,52,74 1 17.02 0 16 0 17.02 0 16 0 17.02 1 12 12 12 12 12 12 12 13 13 13 13 13 13 13 13 <t< td=""><td></td><td>15</td><td>1</td><td>15</td><td>727</td><td>0</td><td>10.663</td><td>522</td><td>1.066</td><td>\$1.118.764</td><td>6</td><td></td><td></td><td>17-2051</td></t<>		15	1	15	727	0	10.663	522	1.066	\$1.118.764	6			17-2051
1. Initial performance test report 12 1 12 14 0 168 8 17 517.07 6 517.07 6 517.07 6 517.07 6 517.07 6 517.07 6 517.07 6 517.07 6 517.07 6 517.07 6 57.75.52 6 6 57.75.52 6 6 57.75.52 6 6 57.75.52 6 6 57.75.52 6 6 57.75.52 6 6 6 57.75.52 6		1.5		13	/2/		10,000	305	1,000	\$1,110,704				17-3022
1. Starker metare maximing quartery 44 4 176 207 0.512 0 0 5.828,008 npp://www.bh.gav/sec/current/owutal.me/11-0000 3. Welled maximing number of the second registry of the secon		12	1	12	14	0	168	8	17	\$17.627	d			43-9061
3. Wellbard maintaining monthly 40 12 480 287 137,760 0 0 0 57,755,564 e C. Creen information 180 1														10 0001
C. Create Information Included in 38 Image: Constraint of the second se												[
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	3. Weinkaa montoring montaly			400	207	137,700	0	0	0	97,713,344				
Include in B. E. Report Preparation Include in 38 Include in 200 Include in 200 <thinclude in<br="">200 Include in 200</thinclude>	C. Create Information													
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$														
E. Boyn Preparation n n n n n 1. Initial degin capacity report 2 1 2 40 0 00 4 8 83,034 1 2. Annoled degin capacity report 2 1 2 40 0 00 4 8 83,034 1 3. Report of NALO Tree (Terr) 8 1 8 21 0 24 1 2 55,762 h 4. Subfit Chart Report 12 1 1 10 0 22 13 2 55,964 i 5. Equineme Report 30 1 36 0 0 0 0 95 i,1 6. Equineme Report 30 1 20 1.4 0 1,100 56 112 \$17,514 k 8. Revised CAC System Design Para 90 1 20 1.4 0.0 28 1 \$1,502 i 9. Initial Period Chart 20 1 20 1.4 0.0 28 1 \$1,502 i 10. Compliance Report 38 27 1 27 27 0 7,248 37 2 \$1,524 i 11.	D. Gather Information													
1. Initial design capacity report 2 1 2 40 0 80 4 8 \$33,384 f 2. Annexed design capacity report 2 1 2 12 0 14 1 2 \$5,181 g 3. Append NMSC rate (Twr) 8 1 8 21 0 168 8 15 \$51,627 h 4. Support of NMSC rate (Twr) 8 1 1 1 19 0 10 1 2 \$31,964 i 5. Land!! Constrained and Const System Design 1 1 36 0 0 0 0 36 \$1,172 id 6. Levierd CAC System design plan 30 1 20 1.4 0.9 10 26 \$1,120 \$11,244 k 1. Initial Performance Test 100 1.4 0.9 1.0 3 \$2,3554 l 1. Compliance Report Included in 1 15 1 0 15 1 \$15 1 1.2. Construct and Marketine 15 1 15 1 0 15 1 2 \$15,724 h 1.1. Compliance Report Included in 15 1 0 15 1 2 \$15,724 h 1.2.		1									-			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		2	1	2	40	0	80	4	8	\$8 394	f			
3. Bayeri of NMC/rate (Tori) 8 1 8 21 0 168 8 17 517,207 4. Report of NMC/rate (Tori) 12 1 12 21 0 52 13 25 535,641 6. Laguard NMC/rate (Tori) 36 1 1 19 0 19 1 2 535,641 6. Enguinem Renoval Report 36 1 36 0 0 0 0 38 1,1 7. Outcrim and Control System Design 0 1 00 1.4 0 1,100 56 13 55556.1 8. Revised GK System Design 20 1.4 0 1,100 56 13 3 55556.1 9. Initial Performance Test 38 20 1.4 0.0 28 1 3 5555.1 10. Compliance Report 38 27 287 0 7,240 387 775 5511.050 in 11. Manal Report 27 1 15 1 0 15 2 35576 in 13. Informance Test 38 27 277 0 7,740 397 775 5511.050 in 14. Non Canor Audyis 15 1 15														
			1	8										
			1											
6. Exploreme Renoval Report 36 1 36 0 <th0< td=""><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>i</td><td></td><td></td><td></td></th0<>			1								i			
7. Olderion and Control System Design Plan 00 1 00 14 0 1,120 56 112 517,514 4,1 8. Revided C&C System design plan 20 1 20 1,4 0.0 28 1 3 \$52,555 1 9. Initial Performance Test Included in 1 20 1,4 0.0 28 1 3 \$52,555 1 10. Compliance Report 10 10 15 1 0 15 1 2 \$52,556 1 12. Corrective Action Analysis 15 1 15 1 0 15 1 2 \$52,556 1 13. Manual Report 27 1 27 287 0 7,248 307 775 \$811,052 m 14. Indemonstant Interiment 15 1 15 1 0 15 1 2 \$152,01 15. We Laddiff Maniniza Report 15 1 15 1 0 15 1 2 \$152,01 15. We Laddiff Maniniza Report 15 1 15 10 15 1 2 \$152,01 1 A Recothering Regimment 15 1 15 10<											i i			
Plan 0. 1 00 14 0 1,120 566 112 511.7.4 d, k B. Revied CAC System design plan 20 1 20 1.4 0.0 28 1 3 52555 1 J. Initial Performance Test 30 1 00 1.4 0.0 28 1 3 52555 1 Included in Performance Test 300 20 1.4 0.0 28 1 3 52555 1 I.1. Annual Report 27 1 27 287 0 7.749 387 775 \$511.052 m 1.3. Implementation Timeline 15 1 15 1 0 15 1 2 35.754 n 1.5. Vect Landiff Meuning Report 15 1 15 0 15 2 35.754 n Start Landiff Meuning Report 15 1 15 0 15 2 35.754 n Start Landiff Meuning Report 15 1 10					-						-1.5			
		80	1	80	14	0	1 120	56	112	\$117 514	d k			
Initial Performance Test Included in Initial Performance Test Included in 16. Compliance Report 28 287 0 7,240 387 775 \$10,100 11. Annal Report 29 1 25 0 7,240 387 775 \$10,100 13. Ingenession function 15 1 15 1 0 15 1 2 \$15,764 n 13. Ingenession function 15 1 15 1 0 15 1 2 \$15,764 n 14. KonCanze Analysis 15 1 15 1 0 15 1 2 \$15,764 n 15. Wet Landfi Memiring Repurements 1 15 1 0 15 1 2 \$15,764 n A. Root Longte Reporting Repurements 2 1,200 62 123 \$15,766 n A. Root Longte Reporting Repurements 16.100.011 2 \$12,865,213 4 16.100.011 16.100.011			1											
3. Install Performance Text 30 Image: constraint of the second		Included in								4-1000				
10. Compliance Report 30 287 275 881,052 m 11. Annual Report 27 1 27 287 0 7,249 387 775 881,052 m 12. Corrective Action Analysis 15 1 15 1 0 15 1 2 85,754 n 13. Implementation Timeline 15 1 15 1 0 15 1 2 85,754 n 14. Montring Report 15 1 15 1 0 15 1 2 85,754 n 15. Wei LamBill Montring Report 15 1 15 0 15 1 2 85,724 n A Recetalerup Repairments 211,869 Stab46 of Repairing Repairments A. Recetalerup Repairments 2 12,869 1 15 1 B. File Activities NA 2 2 2 2 2 D. Develop Record System NA	9. Initial Performance Test													
10. Compliance Report 30 287 275 881,052 m 11. Annual Report 27 1 27 287 0 7,249 387 775 881,052 m 12. Corrective Action Analysis 15 1 15 1 0 15 1 2 85,754 n 13. Implementation Timeline 15 1 15 1 0 15 1 2 85,754 n 14. Montring Report 15 1 15 1 0 15 1 2 85,754 n 15. Wei LamBill Montring Report 15 1 15 0 15 1 2 85,724 n A Recetalerup Repairments 211,869 Stab46 of Repairing Repairments A. Recetalerup Repairments 2 12,869 1 15 1 B. File Activities NA 2 2 2 2 2 D. Develop Record System NA		Included in									_			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	10 Compliance Report													
12. Correction Action Analysis 15 1 15 1 0 15 1 2 31,724 n 13. Implementation Turble 15 1 15 1 0 15 1 2 31,724 n 14. Influencing Turble 15 1 15 1 0 15 1 2 31,724 n 15. Wet Ladfill Monoring Requirements 1 1 15 0 15 1 2 31,724 n A. Rocattlerging Requirements 1 15 0 1,20 62 123 512,606, 0 B. Files Activities NA 1 15 0 1,20 62 123 512,606, 0 Develop Record System 1 0 0 12,00 62 12 12 12,00 12 12 12,02 12,02 12,02 12,02 12,02 12,02 12,02 12,02 12,02 12,02 12,02 12,02 12,02 12,02 <td></td> <td></td> <td>1</td> <td>27</td> <td>287</td> <td>0</td> <td>7 749</td> <td>387</td> <td>775</td> <td>\$813.052</td> <td>m</td> <td></td> <td></td> <td></td>			1	27	287	0	7 749	387	775	\$813.052	m			
13. Implementation Timeline 15 1 15 1 0 15 1 2 35.744 n 14. Root Canadity 15 1 15 1 0 15 1 2 35.754 n 15. Next Landiti Monitoring Report 15 1 15 1 0 15 1 2 35.754 n 15. Next Landiti Monitoring Report 15 1 15 82 0 1.200 62 12.3 \$15.008, o 5. Month of Report Report 2 21.160 22.160.211 2 45.754 n 1 1 5 1 1 1 5 1 1 5 1 2 35.760 n 3 2 21.600 32.660,211 2 4 1														
14. RoarCanze Analysis 15 1 15 1 0 15 1 2 31,724 n 15. Wet Landfill Monimizing Requirements 1 15 1 15 0 1,20 62 123 512,056 0 A. Rocathering Requirements 213,020 2 123,020 52 523,056 0 123,020 123,020 123,020 123,020 123,020 123,020 124,020			1		1			1						
15. Wei Landfill Monitoring Report 15 1 15 62 0 1,230 62 123 \$12,066, 0 School for Report Reportments 211,09 211,09 123 \$12,066, 10 5. Roothoff Report Reportments 1 211,09 124 \$12,06,213 B. Plan Activities 3a 1 1 1 1 D. Brein Report Report NA 1 1 1 D. Develop Record System NA 1 1 1 I. Data Configuration and Review 1 1 1 1							15							
Sabasal Ce Reporting Requirements 212.009 \$12,805,213 A Roundhysing Requirements Included in Included in Included in A. Read Instructions Max Included in Included in B. Para Activities NA Included in Included in D. Develop Reconstruitien NA Included in Included in B. Para Activities NA Included in Included in D. Develop Reconstruitien NA Included in Included in I. D. Develop Reconstruitien NA Included in Included in I. D. Develop Reconstruitien and Review Included in Included in Included in			1											
4. Recordinging Requirements 1 A. Real Instructions 3a B. Flash Activities NA D. Flash Activities NA C. Implement Activities NA D. Develop Record System NA I. D. Develop Record System NA							212.05	20		\$12,805,212				
Included in A A. Read Instructions 3a B. Fan Activities NA D. Deckogn Record System NA D. Deckogn Record System NA I. D. Succentrificies and Review Image: Control of the system of the sys							21.0,00	Ĩ		312,000,213				
A. Real Instructions 3a B. Flat Activities NA	 Reconductping requirements 	Included in												
B. Fan Activities NA Image: Constraint of the second system C. Implement Activities NA Image: Constraint of the second system D. Develop Record System NA Image: Constraint of the second system E. Record Information Image: Constraint of the second system Image: Constraint of the second system I. Data Completion and Review Image: Constraint of the second system Image: Constraint of the second system	A Read Instructions													
C. Inglement Activities NA D. Develop Record System NA														
D. Develop Record System NA														
E. Record Information 1. Data Compilation and Review											-			
1. Data Compilation and Review														
											-			
(considera) 5 12 00 207 0 17,220 001 1,722 31,000,763 p		6	12	60	287		17 220	961	1 722	\$1,806,783				
		3	**			0	*7,220		4,/22	#x,300,703	۲			
2. Recordikeping and Data Storage (notrellers) 11 12 132 287 0 37.884 1.894 3.788 \$3.974.922 p			12	122	297		27.004	1.90.4	3 799	\$2.074.022	-			
(controllers) 11 12 132 267 0 37,064 1.954 3,769 33,974,322 p 3. Record/Reciping and Data Storage (others) 4 1 4 72 0 268 14 29 \$30,218 q											P			
3. Kecorakeejing and Data Storage (otners) 4 1 4 1/2 0 286 14 29 S30,210 q					14	0	200	14	23	330,218	ч			
E. Personnel Training NA Totals for IA + IB												Totals for 1A + 1B		
		18A						1						
Subtotal for Recordkeeping Requirements 63,701 \$5,811,923 634,000 Hours														
Total Labor Burden and Costs (rounded) 276,800 \$18,620,000 r \$42,800,000 \$ Labor							276,80	0						
Total Capital and O&M Cost (rounded) \$1,240,000 r \$2,760,000 \$ Capital/O&M														
Grand Total (rounded) \$19,900,000 r \$45,600,000 \$ Grand										\$19,900,000	r	\$45,600,000	\$ Grand	

Assumptions: We estimate that, during the three-year period of this ICR, there will be an average of 1.912 landfills per year (1,185 privately-owned and 727 publicly-owned) subject to the requirements of Emission Guidelines Subpart CL (Of these, an average of 652 landfills per year (365 privately-owned) and 287 publicly-owned) are controlling emissions.

¹ This ICR uses mean hourly wage for the following labor categories from the United States Department of Labor, Bureau of Labor Statistics, May 2019, "National Occupational Employment and Wage Estimater, United States" for employees at privatly-owned landfills: Managers, All Other for Managerial Labor, Civil Engineers, Civil Engineers Technicians, and Office Clerks, General for Clerical Labor. The rates have been increased by 110 percent account for the benefit packages available to hose employed by private industry.

We estimate that, over the three-year period of this ICR, all respondents will need to familiatize with the requirements of the nule. We have assumed that each respondent will take 40 hours in the first year to familiatize with the rule as the Federal Flan and Share Flan are implemented, and 2 hours per year in the following two years to refamiliatize with the requirements. Therefore we have samed an average of the Sine processment per grade or the Rich year period of the ICR (40 + 2 + 2 har 5) years. It is hold hours,

We estimate that, over the three-year period of this ICR, an average of 32 respondents per year (18 privately-owned and 14 publicly-owned) will need to install controls, perform the init performance test, and submit an initial performance test report. We assume that each respondent will take 12 hours to attend the test, review the resont (written by the testing company). itial and cubmit the report.

¹ We estimate that, over the three-year period of this ICR, an average of 662 respondents per year (166 privately-owned) and 207 publicly-owned) operating controlled landfills will need to conduct quarterly surface emissions monitoring and monitory of privately emotions are period or consolided in the second and th

Based on the regulatory database, there are 164 landfills with design capacity less than 25 million megagrams by mass or 2.5 million cubic meters by volume and thus will complete the initial design capacity report in the first year of this (IR. This as verages to 55 landfills annually over the three-year period of this (IR. This is a one-time requirement. Based on the regulatory database, 70% (40) of these respondents are public and 70% (51) are private.

⁴ We assume that 25 landfills per year (13 privately-owned and 12 publicly-owned) will have modifications requiring the submittal of an amended design capacity report during the three-year period of this ICR. Upon modification, these landfills become subject to NSPS Subpart XXX. Burden for the amended design capacity report is calculated under Subpart Cf.

³ Landfills that do not meet control thresholds but meet the size thresholds of 2.5 million Mg must file Tier1 or Tier 2 reports. We estimate that, over the three-year period of this ICR, an average of 28 repondents year (B privately-owned and 21 public)-owned) will abunit Tier 1 reports and another 29 respondents will submit Tier 2 reports. We assume that 50 percent of uncontrolled Inaffilis will are 1re 1 calculations annually and 50 percent will use Tier 2 calculations maters or ther VMOC program.

We assume that 29 controlled landfills (10 privately-owned and 19 publicly-owned) will close during the three-year period of this ICR.

We assume no landfills will remove control equipment during the three-year period of this ICR. Equipment Removal Report requires inclusion of 3 successive NMOC rates using Tier 2 calculations to demonstrate landfill is below the NMOC threshold.

The second secon

We have assumed that 10% of landfilk installing a collection and control system will revise their collection and control system design plan. We estimate that, over the three-year period of this ICR, an average of 32 respondences per year (18 privately-owned) and 14 publicly-owned) will submit a Collection and Control System Design Plan. This results in submital of 3.2 C&C System Design Plan revision per year (18.3 coll + 13.0 coll - 22 revisions/year).

All creatibiles landfills are required to solution as annual appent. We estimate that, so over the theory-rare priori dor this LFR, as a resugn of 652 regulardong set pays and 2027 publicly-soved) generating controlled landfills will need to solutihin theory. The estimates of theories was haded on instance resonation of 2000 per year for compliance resonating (see controls on recent LEX renewal for subject WWW, ICAN 1557 005, Since this estimates that and assumption of a semi-annual report to satisfy the requirements of the landfills NESHAF, we adjusted this estimates by half association for the single present private log his NESHAF, see 2500, which is associational system to satisfy the requirements of the landfills NESHAF, we adjusted this estimates by half association for the single present private log his NESHAF, see 2500, which is associational to zero estimates.

We sume that, during the three year period of the LCB, an average of one periody-owned lenfill grey period loss conduction analysis, and period is analysis, concrises and period lendifills or year will be semigrated to conduct a next cause adaptive, concrises constrainys, and implementation intellects. The terms are store prepared by the relef to constraining and implementation intellects. These terms may are prepared to period the terms are store prepared by the relef to constraining and implementation intellects. These terms may are prepared by the relef to constraining intellist. An other store analysis in a storegard enter that is described as a more store of a velified of parameter that is described as a more three stores with the storemet term and term

Landfills with a design capacity equal to or greater than 2.5 million megagrams and 2.5 million cubic meters that have employed leachate recirculation or added liquids haved on a Research, Development, and Demonstration permit must file this report. We assume that, during the three-year period of this ICR, 175 privately-owned landfills and 82 publicly-owned landfills will be measured to life this resort sets verse.

We estimate that, over the three-year period of this ICR, an average of 652 respondents per year operating controlled landfills will need to compile, review and store these data records. The estimated burden was based on industry: consultation of \$1000 per month for recordinging and data storage per month and \$500 for data compliation and review per month (we comment to resent ICR messed) for subjant WWW. (1045 \$1550), This is supportinging by feature labours per contracter for data compliant and review part of the storage data storage resent ICR messed for subjant WWW. (1045 \$1550), This is supportinging by feature labours per contracter for data compliant and review and 11 hours for contracter for data compliant and review and 11 hours for contracter for data compliant and review and 11 hours for contracter for data compliant and review and 11 hours for contracter for data compliant and review and 11 hours for contracter for data compliant and review and 11 hours for contracter for data compliant and review and 11 hours for contracter for data compliant and review per support for data compliant and review per support and the storage for data compliant and review per support and the storage for data compliant and review per support for data compliant and review per support for data compliant and review per support and the storage for data compliant and review per support and the storage for data compliant and review per support and review per support and review per support and the storage for data compliant and review per support and

⁴ The average number of respondents per year subject to this recordkeeping requirement is based on the total number of landfills that are subject to the standard but not controlling. These records are simpler for these sources than for landfills controlling emissions.

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

Table 1C: Average Annual State/Local Agency Burden and Cost – Emission Guidelines and Com CFR Part 60, Subpart Cf and Federal Plan) (Renewal)

	1			
	(A)	(B)	(C)	
	State/Local	Number of	Agency person-	
Davidar Itaar	Agency hours per		hours per	
Burden Item	occurrence	landfill per year		
			year (C=AxB)	
			(C-AXD)	
1. Familiarization with Regulatory Requirements	4	NA	4	
2. Enter and update information into agency recordkeeping system	2	1	2	
3. Required activities				
A. Observe initial performance test	12	0.2	2	
B. Observe surface methane monitoring quarterly	20	0.2	4	
C. Review operating parameters	1	1	1	
D. Review continuous parameter monitoring	1	1	1	
E. Review notification of performance test	2	1	2	
4. Excess Emissions Enforcement Activities	24	1	24	
5. Reporting requirements				
A. Review initial design capacity report	1	1	1	
B. Review amended design capacity report	1	1	1	
C. Review annual NMOC emission rate report	2	1	2	
D. Review landfill closure report	1	1	1	
E. Review equipment removal report	1	1	1	
F. Review Collection and Control System Design Plan	15	1	15	
G. Review Revised Collection and Control System Design Plan	5	0.1	1	
H. Review Initial Performance Test	12	1	12	
I. Review Annual Report	2	1	2	
J. Review Corrective Action Analysis	1.25	1	1	
K. Review Implementation Timeline	1.25	1	1	
L. Review Root Cause Analysis	1.25	1	1	
M. Review Wet Landfills Monitoring Report	1	1	1	
6. Travel Expenses for Tests Attended	3 days * (\$134 hotel + \$63 meals/incidentals) +			
		nd trip) = \$1191		
TOTAL (rounded)				

Assumptions:

^a EPA estimates that an average of 1,912 MSW landfills per year are subject to the requirements of Subparts Cf which are in pending but expected to be finalized at part 62 subpart OOO. As of August, 18, 2020 EPA data indicates that 8 State and loc their plans effective by 2022. Therefore, 10 State and local agencies will be enforcing State plans. EPA assumes that appropagency is expected to review reports for an average of 37 landfills (370 / 10 = 37). The remainder of these landfills (1,554) v

^b This cost is based on the following hourly labor rates: \$68.37 for Managerial (GS-13, Step 5, \$42.73 + 60%), \$50.72 for T 60%). These rates are from the Office of Personnel Management (OPM) "2020 General Schedule" which excludes locality packages available to government employees.

^c This ICR estimates that staff from each State or Local Agency will familiarize themselves with the requirements of Subpa

^d Every year, Agencies enter and update information for each of the 360 landfills that are subject to the standard and under

^e Initial performance tests under Subpart Cf/Subpart OOO are only needed if the landfill is not a legacy controller that had equipment that has not been tested. We assume 96 landfills will perform an initial performance test during the three-year per are in states that enforce state plans (32 * 0.19 = 6 landfills per year). The remaining 81% are in states subject to a federal pl performance tests and 20% of the surface methane monitoring tests.

^f The number of landfills is based on the average number of landfills per year expected to install controls, perform the initial performance test report during the three-year period of this ICR.

^g The number of occurrences for enforcement is based on the assumption that of the landfills that test (6), 10% of them will

^h The initial design capacity reports under Subpart Cf are only needed if the landfill is not a legacy controller that had previe average of 55 landfills per year to file this report. Of this 55, approximately 19% or 10 landfills are in states that enforce stat

ⁱ Amended design capacity reports are submitted as landfills are modified to add additional capacity. At this point, the landf modifications per year during the three-year period of this ICR. Of these 25 landfills approximately 19% or 5 landfills are in calculated under Subpart Cf.

^j Annual NMOC emission rate reports are filed by uncontrolled landfills that use Tier 1 or Tier 2 calculations for their NMC 58 respondents per year will submit Tier 1 or Tier 2 reports. Of these, 11 are in states that enforce state plans. (58 * 0.19 = 1)

^k The EPA estimates that an average 29 landfills will submit a landfill closure report per year over the three-year period of t 0.19 = 5.51, rounded to 6)

¹ The EPA estimates that no equipment removal reports were submitted during the three-year period of this ICR.

^m Landfills required to control emissions must submit a landfill gas Collection and Control System Design Plan. EPA assun this ICR for an average of 32 landfills per year. 19% of these landfills are in states that enforce state plans (32 * 0.19 = 6 lan = 26).

ⁿ EPA assumes that 10% of respondents submitting a collection and control system design plan will submit a revised design.

• EPA reviews all initial performance test reports. EPA assumes 96 landfills will perform an initial performance test during these landfills are in states that enforce state plans (32 * 0.19 = 6 landfills per year).

^p All controlled landfills are required to submit an annual report. EPA estimates that, over the three-year period of this ICR, landfills are in states that enforce state plans and will need to submit this report.

^q EPA assumes that an average of one landfill per year subject to controls will have at least one wellhead exceedance that ta

^r EPA assumes that, during the three-year period of this ICR, an average of 266 landfills will be required to file this report e the remaining 215 are in states subject to a federal plan (an average of 26 landfills per year).

^s We assume State/Local agencies will attend 20% of performance tests (6 per year) and surface monitoring (124 per year). observe performance tests and surface monitoring, multiplied by \$1,128 per trip. The source for hotel and meals/incidental States. Airfares are estimated based on experience from other rulemakings. See: http://www.gsa.gov/portal/category/100120

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

pliance Times for Existing Municipal Solid Waste Landfills (40

	(H)	(G)	(F)	(E)	(D)
	Costs, \$ ^b	Clerical hours	Management	Technical hours	Landfills per
	00000, ¢	per year	hours per year	per year (CxD)	Year
S		(G=Ex0.1)	(F=Ex0.05)		Administered By
Footnotes			. ,		State/Local
offi U					Agencies ^a
С	\$2,275	4	2	40	10
d	\$40,957	72	36	720	360
е	\$819	1	1	14	6
e	\$28,215	50	25	496	124
f	\$341	1	0.3	6	6
f	\$341	1	0.3	6	6
f	\$683	1	1	12	6
g	\$1,365	2	1	24	1
h	\$569	1	1	10	10
i	\$284	1	0.3	5	5
j	\$1,251	2	1	22	11
k	\$341	1	0.3	6	6
1	\$0	0	0	0	0
m	\$5,120	9	5	90	6
n	\$17	0.03	0.02	0.3	0.6
0	\$4,096	7	4	72	6
р	\$14,107	25	12	248	124
q	\$71	0.1	0.1	1	1
q	\$71	0.1	0.1	1	1
q	\$71	0.1	0.1	1	1
r	\$2,901	5	3	51	51
s	\$30,966	NA	NA	NA	26
t	\$135,000		2,100		



mplemented under state plans and a federal plan. The federal plan is currently a gencies enforce the State plans and two other state agencies are expected to have cimately 19 percent of sources (370) are covered by the State Plans. Thus, each will be covered by a federal plan once it becomes effective.

echnical (GS-12, Step 1, \$31.70 + 60%) and \$27.46 Clerical (GS-6, Step 3, \$17.16 + rates of pay. These rates have been increased by 60 percent to account for the benefit

rts Cf and OOO each year, to account for staff transitions.

State/Local agency jurisdiction.

previously submitted a performance test unless the landfill installs new destruction riod of this ICR for an average of 32 landfills per year. 19 percent of these landfills an (32 * 0.81 = 26). We expect each Agency to observe/review 20% of the initial

l performance test, begin monitoring operating parameters, and submit an intial

have exceedances and need enforcement once per year (6 * 0.1 = 0.6, rounded to 1).

busly submitted a report. Over the three-year period of this ICR, we expect an ite plans.

ill becomes subject to Subpart XXX. EPA estimates there will be an average of 25 states that enforce state plans. Burden for the amended design capacity report is

C reports. EPA estimates that, over the three-year period of this ICR, an average of 11)

his ICR. Of these, approximately 19% are in states that enforce state plans. (29 *

nes that 96 landfills will be required to install controls during the three-year period of dfills per year). The remaining 81% are in states subject to a federal plan (32 * 0.81

ı plan to account for changes to the landfill or the GCCS as allowed for in 60.767(h).

the three-year period of this ICR for an average of 32 landfills per year. 19 percent of

an average of 124 respondents per year ($653 \times 0.19 = 124$) operating controlled

kes longer than 60 days to correct.

ach year. Of these, 19% are in that states enforce state plans (266 * 0.19 = 51) and

 $((6 + 124) \ge 0.2 = 26)$ Total cost is based on the number of trips taken by EPA to costs is based on FY' 15 per diem rates, averaged across all locations in the United \Im

r Rates	
	\$68.37
	\$50.72
	\$27.46

Table 2: Average Annual EPA Burden and Cost - Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills (40 CFR Part 60, Subpart Cf) (Renewal)

Burden Item	(A) EPA hours per occurrence	(B) Number of occurrences per plant per year	(C) EPA person-hours per plant per year (C=AxB)	(D) Landfills per year *	(E) Technical hours per year (CxD)	(F) Management hours per year (F=Ex0.05)	(G) Clerical hours per year (G=Ex0.1)	(H) Costs, \$ ^b	Footnotes
1. Familiarization with regulatory requirements (10 EPA Regions)	4	1	4	10	40	2	4	\$2,275	С
Enter and update information into agency recordkeeping system	2	1	2	1,552	3.104	155	310	\$176.569	d
3. Required activities									
A. Observe initial performance test	12	0.2	2	26	62	3	6	\$3,550	е
B. Observe surface methane monitoring quarterly	20	0.2	4	528	2,112	106	211	\$120,140	е
C. Review operating parameters	1	1	1	26	26	1	3	\$1,479	f
D. Review continuous parameter monitoring	1	1	1	26	26	1	3	\$1,479	f
E. Review notification of performance test	2	1	2	26	52	3	5	\$2,958	f
4 Excess Emissions Enforcement Activities	24	1	24	3	72	4	7	\$4,096	g
5. Reporting requirements									
A. Review initial design capacity report	1	1	1	45	45	2	5	\$2,560	h
B. Review amended design capacity report	1	1	1	20	20	1	2	\$1,138	i
C. Review annual NMOC emission rate report	2	1	2	47	94	5	9	\$5,347	j
D. Review landfill closure report	1	1	1	23	23	1	2	\$1,308	k
E. Review equipment removal report	1	1	1	0	0	0	0	\$0	k
F. Review Collection and Control System Design Plan	15	1	15	26	390	20	39	\$22,185	e, l
G. Review Revised Collection and Control System Design Plan	5	0.1	1	2.6	1	0	0	\$74	m
H. Review Initial Performance Test Report	12	1	12	26	312	16	31	\$17,748	e
I. Review Annual Report	2	1	2	528	1,056	53	106	\$60,070	n
J. Review Corrective Action Analysis	1.25	1	1.25	1	1	0	0	\$71	0
K. Review Implementation Timeline	1.25	1	1.25	1	1	0	0	\$71	0
L. Review Root Cause Analysis	1.25	1	1.25	1	1	0	0	\$71	0
M. Wet Landfills Monitoring Report	1	1	1	215	215	11	22	\$12,230	р
6. Travel Expenses for Tests Attended (EPA attends 20% of tests and		notel + \$58 meals/							
surface monitoring)	(\$600 round trip) = \$1,128 per trip)	111				\$122,877	q
TOTAL (Rounded)						8,800		\$558,000	r

Assumptions:

- * EPA estimates that 1,912 MSW landfills are subject to the requirements of Subparts Cf which are implemented under state plans and a federal plan. The federal plan is currently pending but expected to be finalized at part 62 subpart OOO. EPA assumes that 81 percent of sources (1,552) will be subject to the federal plan by 2022 for which EPA is the enforcing agency and that 19 percent of sources (360) are covered by the State Plans. As of August, 18, 2020 EPA data indicates that 85 subt and local agencies enforce the State plans and two other state agencies are expected to have their by 2022.
- ^b This ICR uses the following labor rates: \$68.37 for managerial, \$50.72 for technical, and \$27.46 for clerical labor. These rates are from the Office of Personnel Management (OPM), 2020 General Schedule, which excludes locality rates of pay. The rates have been increased by 60 percent to account for the benefit packages available to government employees.
- ^c The number of plants per year is the number of EPA Regions (10 regions). We assume one EPA employee at each Region offices will familiarize themselves with the requirements of Subparts Cf and OOO each year, to account for staff transitions.
- ^d The number of plants per year is based on the total number of landfills that are subject to the Federal Plan.
- Initial performance tests under Subpart Ct/Subpart 0000 are only needed if the landfill is not a legacy controller that had previously submitted a performance test unless the landfill installs new destruction equipment that has not been tested. Over the three-year period of this ICR, a total of 96 landfills, or 32 landfills per year, are expected to perform initial testing. Approximately 81% of these landfills (32 * 0.81 = 26) are in states subject to a federal plan. Surface methane monitoring is performed at landfills that control emissions. Of the 653 landfills that control emissions, approximately 81% of these (653 * 0.81 = 526) are in states subject to a federal plan. The number of observations of initial performance tests and surface methane monitoring per year is based on the assumption that EPA personnel will observe 20% of the landfills where initial performance tests and surface methane monitoring (26 + 528) * 0.2 = 111)
- ¹ The number of landfills is based on the average number of landfills per year expected to install controls, perform the initial performance test, begin monitoring operating parameters, and submit an initial performance test report during the three-year period of this ICR.
- ⁸ The number of landfills per year is based on the assumption that of the landfills that test and are located in states subject to a federal plan (26), 10% of them will have exceedances and need enforcement once per year. (26* 0.1 = 2.6, rounded to 3).
- ^h Initial design capacity reports under Subpart Cf are only needed if the landfill is not a legacy controller that had previously submitted a report. EPA estimates that, during the three-year period of this ICR, a total of 164 landfills, or an average of 55 landfills per year, meet this category. Of these 55 landfills, approximately 81% (55 * 0.81 = 45 landfills per year) are in states subject to the federal plan.
- ¹ EPA assumes that 25 landfills per year currently subject to Subpart Cf will have modifications requiring the submittal of an amended design capacity report during the three-year period of this ICR. Of these 25 landfills, approximately 81% (25 * 0.81 = 20 landfills per year) are in states subject to the federal plan. Upon modification, these landfills become subject to NSPS Subpart XXX. The burden to EPA for the amended design capacity report is calculated under Subpart Cf.
- ¹ The number of plants is the number of uncontrolled landfills that use Tier 1 or Tier 2 calculations for their NMOC reports. We estimate that, over the three-year period of this ICR, an average of 58 respondents per year will submit Tier 1 or Tier 2 reports. Of these 58 landfills, 47 are located in states that subject to a federal plan. (58 * 0.81 = 47)
- ^k This ICR assumes that on average 29 landfills will submit a landfill closure report per year. Of these 29 landfills, 81% are in states that are subject to a federal plan (29 * 0.81 = 23.49, rounded to 23). EPA estimates that no equipment removal reports will be submitted during the three-year period of this ICR.
- ¹ Initial performance tests under Subpart Ct/Subpart OOO are only needed if the landfill is not a legacy controller that had previously submitted a performance test unless the landfill installs new destruction equipment that has not been tested. Over the three-year period of this ICR, a total of 96 landfills, or 32 landfills per year, are expected to submit a collection and control system design plan. Approximately 81% of these landfills (32 * 0.81 = 62) are in states subject to a federal plan.
- ^m We assume that 10 percent of respondents submitting a collection and control system design plan will submit a revised design plan to account for changes to the landfill or the GCCS as allowed for in 60.767(h).
- ^a All controlled landfills are required to submit an annual report. We estimate that, over the three-year period of this ICR, an average of 528 respondents per year (653 * 0.81 = 528) operating controlled landfills will need to submit this report under the Federal Plan.
- o Number of plants is based on the assumption that one landfill subject to controls will have at least one wellhead exceedance that takes longer than 60 days to correct.
- P We assume that, during the three-year period of this ICR, an average of 266 landfills per year will be required to file this report each year. Of these 266 landfills, 81 percent are in states subject to a federal plan. (266 * 0.81 = 215)

Table 3: Universe of Existing Landfills Subject to Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills (40 CFR Part 60, Subpart Cf) (Renewal)

	1	Emission Gui	delines Only	(Sources constr	ructed or modified	prior to July 20	014)	
		(7)			Sec	tor		
	Numb	er of Respon	dents	Р	rivate	Р	ublic	
Burden Item	Year 2022	Year 2023	Year 2024	% Respondents	3-Year Average Number Respondents	% Respondents	3-Year Average Number Respondents	Footnotes
1. Applications								-
2. Surveys and Studies								
3. Reporting Requirements								
A. Read and Understand Rule Requirements	1937	1912	1887	62%	1185	38%	727	а
B. Required Activities				0270				
1. Initial performance test report	92	0	4	56%	18	44%	14	b
2. Surface methane monitoring quarterly	656	648	654	56%	365	44%	287	c
3. Wellhead monitoring monthly	656	648	654	56%	365	44%	287	d
C. Create Information								
D. Gather Information								
E. Report Preparation								
1. Initial design capacity report	164	0	0	27%	15	73%	40	е
2. Amended design capacity report	25	25	25	53%	13	47%	12	f
3. Report of NMOC rate (Tier 1)	29	30	28	27%	8	73%	21	g
4. Report of NMOC rate (Tier 2)	29	30	28	27%	8	73%	21	
5. Landfill Closure Report	33	22	33	35%	10	65%	19	h
6. Equipment Removal Report	0	0	0	35%	0	65%	0	i
Plan	92	0	4	56%	18	44%	14	i
8. Revised C&C System design plan	9	0.0	0.4	56%	1.8	44%	1.4	k
9. Initial Performance Test	Included in 3B							
10. Compliance Report	Included in 3B							
11. Annual Report	656	648	654	56%	365	44%	287	1
12. Corrective Action Analysis	2	2	2	50%	1	50%	1	m
13. Implementation Timeline	2	2	2	50%	1	50%	1	m
14. Root Cause Analysis	2	2	2	50%	1	50%	1	m
15. Wet Landfill Monitoring Report	266	266	266		175		82	n
 Recordkeeping Requirements 								
A. Read Instructions	Included in 3A							
B. Plan Activities	NA							
C. Implement Activities	NA							
D. Develop Record System	NA							
E. Record Information								
 Data Compilation and Review (controllers) 	656	648	654	56%	365	44%	287	0
 Recordkeeping and Data Storage (controllers) 	656	648	654	56%	365	44%	287	0
3. Recordkeeping and Data Storage (others)	164	164	164	56%	92	44%	72	р
E. Personnel Training	NA	-			-			r
F. Time for Audits	NA			1				
	1					1		

Assumptions:

- ² EPA estimates that an average of 1,924 respondents per year are subject based on waste acceptance data found in the regulatory database developed for the 2016 rule.
- ^b This is a one time requirement. Only additional controllers from previous years are subject. Initial year burden is high since most state plans or federal plans have not yet taken effect.
- ^c Total number of controllers each year must conduct SEM. This is a recurring requirement. New greenfield sources coming online are not expected to trigger
- ^d **FOURTHUMPER** of controllers each year must conduct wellhead monitoring. This is a recurring requirement.
- * These are landfills that are smaller than 2.5 million Mg. This is a one-time requirement so 0 in later years. Legacy controllers are exempt from this requirement.
- ^f Landfills filing an amended design capacity report (modified landfill) under the EG will become subject to subpart XXX.
- * This is the sum of reporters at open landfills that do not meet control thresholds but meet the size thresholds of 2.5 million Mg. Of these, 50% are assumed to do Tier
- 1 and 50% assumed to do Tier 2. Closed landfills do not have to keep doing the annual NMOC report.
- ^h We assume that only landfills subject to the EG would close during the three-year period of this ICR.
- 1 EPA assumes that no sources remove equipment during the three-year period of this ICR.
- ¹ The initial year burden is higher since most state plans or federal plans have not yet taken effect.
- ^k EPA assumes that 10% of controllers will prepare revised GCCS
- ¹ All landfills that control emissions must file an annual report.
- ^a It is unknown how many landfills will be required to conduct a root cause analysis, corrective action analysis, or implementation timeline. These items are not required by the rule for controlling landfills. A root cause analysis is only required if the landfill has an exceedance of the wellhead parameter is identified and cannot be corrected within 15 days. If the exceedance cannot be corrected within 50 days the owner or operator must also conduct a corrective action analysis and develop and implementation schedule. These items must only be submitted for approval if the corrective action will take longer than 120 days to correct. Landfills can minimize the number of exceedances found by ensuring the GCCS is well-operated. For the purposes of estimating ICR burden, EPA estimates that one of the landfills subject to controls will have at least one wellhead exceedance that takes longer than 60 days to correct.

^a Only landfills with leachate recirculation or RDD that have capacity >2.5 million Mg must file this report. This number is based on data from the 2016 Landfills NSPS/EG database.

Table 4: Universe of Existing Landfills Subject to Emission Guidelines and Compliance 1 Landfills and Subject to State Plan or Federal Plan (40 CFR Part 60, Subpart Cf) (Renew

			0.1/	State/Local Age
		Burden Item	3-Year Average Number of Respondents	% Respondents
1.		niliarization with regulatory requirements (State/Local Agencies and A Regions) $^{\rm b}$		
2.	Ent	er and update information into agency record keeping system $^{\rm c}$	1912	19%
3.	Rec	quired activities		
	A.	Observe initial performance test	32	19%
	B.	Observe surface methane monitoring quarterly	652	19%
	C.	Review operating parameters	32	19%
	D.	Review continuous parameter monitoring	32	19%
	E.	Review notification of performance test	32	19%
4	Exc	cess Emissions Enforcement Activities ^d	3	19%
5.	Rep	porting requirements		
	А.	Review initial design capacity report	55	19%
	В.	Review amended design capacity report	25	19%
	C.	Review annual NMOC emission rate report	58	19%
	D.	Review landfill closure report	29	19%
	E.	Review equipment removal report	0	19%
	F.	Review Collection and Control System Design Plan	32	19%
	G.	Review Revised Collection and Control System Design Plan	3.2	19%
	H.	Review Initial Performance Test Report	32	19%
	I.	Review Annual Report	652	19%
	J.	Review Corrective Action Analysis	2	19%
	K.	Review Implementation Timeline	2	19%
	L.	Review Root Cause Analysis	2	19%
	M.	Wet Landfills Monitoring Report	266	19%
6.		vel Expenses for Tests Attended (EPA attends 20% of tests and surface nitoring)	107	109/
			137	19%

Assumptions:

^a 19% of landfills subject to Subpart Cf are in a jurisdiction covered by a State or Local Agency. The remaining & administered by one of ten U.S. EPA Regions

^b As of August, 18, 2020 EPA data indicates that 8 State and local agencies enforce the State plans and two other effective by 2022. Therefore, 10 State and local agencies will be enforcing State plans. The number of respondent regions). We assume one EPA employee at each Region offices will familiarize themselves with the requirements staff transitions.
 ^c Every year, State and local gencies enter and undate information for each of the 360 landfills that are subject to a subject to a subject to be subject t

^c Every year, State and local gencies enter and update information for each of the 360 landfills that are subject to jurisdiction. The remainder of the landfills (1,552) are under the jurisdiction of the 10 U.S. EPA Regions, who wi

^d We assume that 10% of landfills controlling emissions will have exceedances and require enforcement action.

Fimes for Municipal Solid Waste val)

ency (State Plan)) EPA (Federal Plan)			
3-Year Average Number Respondents	% Respondents	3-Year Average Number Respondents		
10		10		
360	81%	1,552		
6	81%	26		
124	81%	528		
6	81%	26		
6	81%	26		
6	81%	26		
1	81%	3		
10	81%	45		
5	81%	20		
11	81%	47		
6	81%	23		
0	81%	0		
6	81%	26		
0.6	81%	2.6		
6	81%	26		
124	81%	528		
1	81%	1		
1	81%	1		
1	81%	1		
51	81%	215		
26	81%	111		

31% of landfills subject to Subpart Cf are

state agencies are expected to have their plans :s per year is the number of EPA Regions (10 ; of Subparts Cf and OOO each year, to account for

the standard and under State/Local agency ll enter and update information.

	Capital/Startup vs. Operation and Maintenance (O&M) Costs									
(A)	(B)	(C)	(D)	(E)	(F)					
Continuous Monitoring Device	Capital/Startup Cost for One Respondent	Annualized Capital/Startup Cost for One Respondent	Average Number of Respondents per Year	Total Annualized Capital / Startup Cost, (C x D) per Year	Annual O&M Costs for One Respondent					
Method 25 or 25C testing costs for initial performance test ^a	\$10,067	\$1,105	32	\$35,370	\$0					
Sampling probe and Method 25 or 25C testing costs for Tier 2 test ^b	\$11,104	\$2,708	29	\$78,540	\$0					
Method 21 Surface Emission Monitor ^c	0	0	0	\$0	\$2,814					
Portable Wellhead Monitor ^d	0	0	0	\$0	\$204					
Flow Meter ^{e, f}	\$3,000	\$329	32	\$10,540						
Thermocouple ^{e, f}	\$500	\$55	32	\$1,757	\$1,000					
Data Recorder ^{e, f}	\$4,500	\$494	32	\$15,811						
Totals (Rounded)				\$142,000						
Total (Rounded)	1 10:11									

^a This requirement applies to existing landfills requiring controls. Annualized cost is figured for method 25 or 25C test at 7% (expected lifetime of the flare or other destruction device.

^b Tier 2 testing is done by operating landfills that do not meet control thresholds but meet the size thresholds of 2.5 million M_§ assumed to do Tier 1 testing and 50% assumed to do Tier 2 testing. Since a Tier 2 test must be repeated every 5 years, annualic cost for conducting a method 25, method 25A or 25C test, figured at 7% over 5 years.

^c All controlled landfills must conduct quarterly surface emissions testing at all penetrations of the cover. We assume weekly ϵ \$600/week, and one week per occurrence. In addition, the landfill will need to purchase calibration gases and hydrogen fuel (a operate the surface monitoring equipment.

^d All controlled landfills must conduct monthly wellhead monitoring.

^e Sources required to install a control system purchase and install this equipment prior to their initial performance test. All sou this equipment annually. Annualized cost is figured at 7% over 15 years.

^f All sources operating controls maintain the flow meter, thermocouple, and data recorder annually at a cost of \$1,000.

Number of Respondents									
	Respondents That Sublinit		Respondents That Do Not Submit Any Reports						
	(A)	(B)	(C)	(D)	(E)				
Year	Number of New Respondents ^a	Number of Existing Respondents ^b	Number of Existing Respondents that keep records but do not submit reports	Number of Existing Respondents That Are Also New Respondents	Number of Respondents (E=A+B+C-D)				
1	0	1,937	0	0	1,937				
2	0	1,912	0	0	1,912				

3	0	1,887	0	0	1,887
Average	0	1,912	0	0	1,912

^a There are no new respondents. Once a source constructs or modifies, they become subject to NSPS Subpart XXX.

^b We assume that 25 sources per year will modify and become subject to Subpart XXX. The previous ICR (2522.02) estimated respondents based on data collected during the 2016 final rule. Due to the gap year between the expiration of the previous ICR and Year 1 of this ICR, the 'Number of Existing Respondents' from the previous ICR has been adjusted to reflect the expected number of landfills controlling between years 2022 through 2024 based on projected emissions, as waste disposal quantities increase over time at active landfills, and assuming that in these years landfills will be controlling under the more stringent 34 Mg/yr requirements.

Total Annual Number of Responses					
(A) Information Collection Activity	(B) Number of Respondents	(C) Number of Responses per Respondent	(D) Number of Existing Respondents That Keep Records But Do Not Submit Reports	(E) Total Responses E=BxC+D	
	Privately-0	Dwned Landfill	s		
Initial performance test report	18	1	NA	18	
Initial design capacity report	15	1	NA	15	
Amended design capacity report	13	1	NA	13	
Report of NMOC rate (Tier 1)	8	1	NA	8	
Report of NMOC rate (Tier 2)	8	1	NA	8	
Landfill Closure Report	10	1	NA	10	
Equipment Removal Report	0	1	NA	0	
Collection and Control System					
Design Plan	18	1	NA	18	
Revised C&C System design plan	1.8	1	NA	1.8	
Annual Report	365	1	NA	365	
Corrective Action Analysis	1	1	NA	1	
Implementation Timeline	1	1	NA	1	
Root Cause Analysis	1	1	NA	1	
Wet Landfill Monitoring Report	175	1	NA	175	
Total Responses for Privately-Ov	vned Landfills	(rounded)		635	
Publicly-Owned Landfills					
Initial performance test report	14	1	NA	14	
Initial design capacity report	40	1	NA	40	
Amended design capacity report	12	1	NA	12	
Report of NMOC rate (Tier 1)	21	1	NA	21	
Report of NMOC rate (Tier 2)	21	1	NA	21	
Landfill Closure Report	19	1	NA	19	
Equipment Removal Report	0	1	NA	0	
Collection and Control System Design Plan	14	1	NA	14	

Revised C&C System design plan	1.4	1	NA	1.4
Annual Report	287	1	NA	287
Corrective Action Analysis	1	1	NA	1
Implementation Timeline	1	1	NA	1
Root Cause Analysis	1	1	NA	1
Wet Landfill Monitoring Report	82	1	NA	82
Total Responses for Publicly-Owned Landfills (rounded)				514
	State/L	ocal Agencies	-	
Review initial design capacity repo	10	1	NA	10
Review amended design capacity				
report	5	1	NA	5
Review annual NMOC emission ra	11	1	NA	11
Review landfill closure report	6	1	NA	6
Review equipment removal report	0	1	NA	0
Review Collection and Control Sys	6	1	NA	6
Review Revised Collection and				
Control System Design Plan	1	1	NA	0.6
Review Initial Performance Test re	6	1	NA	6
Review Annual Report	124	1	NA	124
Review Corrective Action Analysis	1	1	NA	1
Review Implementation Timeline	1	1	NA	1
Review Root Cause Analysis	1	1	NA	1
Review Wet Landfills Monitoring l	51	1	NA	51
Total Responses for State/Local Agencies (rounded)				223
Total Responses (rounded)				1,372

	Respondents, Responses, and Hours				
Respondent	Number of Respondents	Number of Responses	Reporting Hours	Recordkeeping Hours	Total Hours
Private	1,185	635	81,015	276,036	357,051
Public	727	514	63,701	213,050	276,751
State & Local Agency	10	223	584	1,516	2,100
Total	-	1,372	145,300	490,602	635,902

(G)	(H)
Number of Respondents with O&M	Total O&M (F x G)
0	\$0
0	\$0
652	\$1,834,728
652	\$133,008
652	\$652,000
	\$2,620,000
	\$2,760,000

Respondent Counts		Respondent Costs	
Private	Public	Private	Public
18	14	\$19,895	\$15,474
8	21	\$21,666	\$56,874
365	287	\$1,027,110	\$807,618
365	287	\$74,460	\$58,548
365	287	\$365,000	\$287,000
18	14	\$15,810	\$12,297
Capital/Startup		\$57,372	\$84,645
O&M		\$1,466,570	\$1,153,166
]7	otal	\$1,520,000	\$1,240,000

over 15 years, which is the

3. Of these 58 landfills, 50% zed capital cost is based on the

equipment rental costs at t a cost of \$103.50 per event) to

rces operating controls maintain

Hours/response

464

Hours per	Hours Per
Response	Respondent
562	301
538	381
9	210
463.5	-

QA check

\$35,370

\$78,540

\$1,834,728 \$133,008 \$652,000 \$28,108 \$142,017 \$2,619,736 \$2,760,000