

## American Innovation and Manufacturing (AIM) Act Hydrofluorocarbon (HFC) Importer Quarterly Report

### Worksheet Instructions:

Complete and submit an HFC Importer Quarterly Report if your company imports HFCs. Section 2 must be completed if your company imported HFCs during the reporting quarter; if no Section 2 may be left blank. Section 3 must be completed if imported material was shipped off-site for transformation or second party destruction. Section 4 must be completed if orders were placed with application-specific allowance holders. Section 5 is automatically populated based on data entered in Section 4.

### Version:

r0.7

### Updated:

7/2/2025

### External Links:

[HFC Allocation Rule Reporting HelpDesk](#)

[AIM Act Paperwork Reduction Act Burden](#)

### Reporting Form Navigation:

[Section 1 - Company Identification](#)

[Section 4 - Application-Specific Allowance Holder](#)

[Section 2 - Import Information](#)

[Section 5 - Quarterly Import Summary](#)

[Section 3 - Recipient Facility Information](#)

EPA may request additional information or ask follow up questions to verify the accuracy of your reporting and supporting documentation, including pursuant to Clean Air Act section 114 as authorized under the AIM Act.

## Section 1 - Company Identification

Instructions: Complete the following company information.

Company Name:	
Company ID:	
Reporting Year:	
Reporting Quarter:	

Were HFCs imported during the reporting period?	
Were any imported HFCs shipped off-site during the reporting period to another facility for transformation or destruction?	
Were any orders placed from application-specific allowance holders, were any application-specific allowances conferred, or were HFCs imported for application-specific end-uses?	

## Section 2 - Import Information

Instructions: Enter data for each HFC import transaction that took place during the reporting quarter.

1	2	3a
Transaction Number	Date of Import §84.31(c)(2)(v)	U.S. Customs Entry Number §84.31(c)(2)(xiii)

1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			
53			
54			
55			
56			
57			

58			
59			
60			
61			
62			
63			
64			
65			
66			
67			
68			
69			
70			
71			
72			
73			
74			
75			
76			
77			
78			
79			
80			
81			
82			
83			
84			
85			
86			
87			
88			
89			
90			
91			
92			
93			
94			
95			
96			
97			
98			
99			
100			
101			
102			
103			
104			
105			
106			
107			
108			
109			
110			
111			
112			
113			
114			

115			
116			
117			
118			
119			
120			
121			
122			
123			
124			
125			
126			
127			
128			
129			
130			
131			
132			
133			
134			
135			
136			
137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147			
148			
149			
150			
151			
152			
153			
154			
155			
156			
157			
158			
159			
160			
161			
162			
163			
164			
165			
166			
167			
168			
169			
170			
171			

172			
173			
174			
175			
176			
177			
178			
179			
180			
181			
182			
183			
184			
185			
186			
187			
188			
189			
190			
191			
192			
193			
194			
195			
196			
197			
198			
199			
200			
201			
202			
203			
204			
205			
206			
207			
208			
209			
210			
211			
212			
213			
214			
215			
216			
217			
218			
219			
220			
221			
222			
223			
224			
225			
226			
227			
228			

229			
230			
231			
232			
233			
234			
235			
236			
237			
238			
239			
240			
241			
242			
243			
244			
245			
246			
247			
248			
249			
250			
251			
252			
253			
254			
255			
256			
257			
258			
259			
260			
261			
262			
263			
264			
265			
266			
267			
268			
269			
270			
271			
272			
273			
274			
275			
276			
277			
278			
279			
280			
281			
282			
283			
284			
285			

286			
287			
288			
289			
290			
291			
292			
293			
294			
295			
296			
297			
298			
299			
300			
301			
302			
303			
304			
305			
306			
307			
308			
309			
310			
311			
312			
313			
314			
315			
316			
317			
318			
319			
320			
321			
322			
323			
324			
325			
326			
327			
328			
329			
330			
331			
332			
333			
334			
335			
336			
337			
338			
339			
340			
341			
342			

343			
344			
345			
346			
347			
348			
349			
350			
351			
352			
353			
354			
355			
356			
357			
358			
359			
360			
361			
362			
363			
364			
365			
366			
367			
368			
369			
370			
371			
372			
373			
374			
375			
376			
377			
378			
379			
380			
381			
382			
383			
384			
385			
386			
387			
388			
389			
390			
391			
392			
393			
394			
395			
396			
397			
398			
399			



400			
401			
402			
403			
404			
405			
406			
407			
408			
409			
410			
411			
412			
413			
414			
415			
416			
417			
418			
419			
420			
421			
422			
423			
424			
425			
426			
427			
428			
429			
430			
431			
432			
433			
434			
435			
436			
437			
438			
439			
440			
441			
442			
443			
444			
445			
446			
447			
448			
449			
450			
451			
452			
453			
454			
455			
456			

457			
458			
459			
460			
461			
462			
463			
464			
465			
466			
467			
468			
469			
470			
471			
472			
473			
474			
475			
476			
477			
478			
479			
480			
481			
482			
483			
484			
485			
486			
487			
488			
489			
490			
491			
492			
493			
494			
495			
496			
497			
498			
499			
500			
501			
502			
503			
504			
505			
506			
507			
508			
509			
510			
511			
512			
513			

514			
515			
516			
517			
518			
519			
520			
521			
522			
523			
524			
525			
526			
527			
528			
529			
530			
531			
532			
533			
534			
535			
536			
537			
538			
539			
540			
541			
542			
543			
544			
545			
546			
547			
548			
549			
550			
551			
552			
553			
554			
555			
556			
557			
558			
559			
560			
561			
562			
563			
564			
565			
566			
567			
568			
569			
570			

571			
572			
573			
574			
575			
576			
577			
578			
579			
580			
581			
582			
583			
584			
585			
586			
587			
588			
589			
590			
591			
592			
593			
594			
595			
596			
597			
598			
599			
600			
601			
602			
603			
604			
605			
606			
607			
608			
609			
610			
611			
612			
613			
614			
615			
616			
617			
618			
619			
620			
621			
622			
623			
624			
625			
626			
627			

628			
629			
630			
631			
632			
633			
634			
635			
636			
637			
638			
639			
640			
641			
642			
643			
644			
645			
646			
647			
648			
649			
650			
651			
652			
653			
654			
655			
656			
657			
658			
659			
660			
661			
662			
663			
664			
665			
666			
667			
668			
669			
670			
671			
672			
673			
674			
675			
676			
677			
678			
679			
680			
681			
682			
683			
684			

685			
686			
687			
688			
689			
690			
691			
692			
693			
694			
695			
696			
697			
698			
699			
700			
701			
702			
703			
704			
705			
706			
707			
708			
709			
710			
711			
712			
713			
714			
715			
716			
717			
718			
719			
720			
721			
722			
723			
724			
725			
726			
727			
728			
729			
730			
731			
732			
733			
734			
735			
736			
737			
738			
739			
740			
741			

742			
743			
744			
745			
746			
747			
748			
749			
750			
751			
752			
753			
754			
755			
756			
757			
758			
759			
760			
761			
762			
763			
764			
765			
766			
767			
768			
769			
770			
771			
772			
773			
774			
775			
776			
777			
778			
779			
780			
781			
782			
783			
784			
785			
786			
787			
788			
789			
790			
791			
792			
793			
794			
795			
796			
797			
798			

799			
800			
801			
802			
803			
804			
805			
806			
807			
808			
809			
810			
811			
812			
813			
814			
815			
816			
817			
818			
819			
820			
821			
822			
823			
824			
825			
826			
827			
828			
829			
830			
831			
832			
833			
834			
835			
836			
837			
838			
839			
840			
841			
842			
843			
844			
845			
846			
847			
848			
849			
850			
851			
852			
853			
854			
855			



856			
857			
858			
859			
860			
861			
862			
863			
864			
865			
866			
867			
868			
869			
870			
871			
872			
873			
874			
875			
876			
877			
878			
879			
880			
881			
882			
883			
884			
885			
886			
887			
888			
889			
890			
891			
892			
893			
894			
895			
896			
897			
898			
899			
900			
901			
902			
903			
904			
905			
906			
907			
908			
909			
910			
911			
912			

913			
914			
915			
916			
917			
918			
919			
920			
921			
922			
923			
924			
925			
926			
927			
928			
929			
930			
931			
932			
933			
934			
935			
936			
937			
938			
939			
940			
941			
942			
943			
944			
945			
946			
947			
948			
949			
950			
951			
952			
953			
954			
955			
956			
957			
958			
959			
960			
961			
962			
963			
964			
965			
966			
967			
968			

969			
970			
971			
972			
973			
974			
975			
976			
977			
978			
979			
980			
981			
982			
983			
984			
985			
986			
987			
988			
989			
990			
991			
992			
993			
994			
995			
996			
997			
998			
999			
1000			

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. If you do not send this collection of information, your agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments on this collection of information, including suggestions for reducing the burden, through the use of automated collection techniques to the Director, Office of Management and Budget, Paperwork Reduction Project (2046-0184), Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the complete

1 must be completed prior to submission. HFCs were imported during the quarter, ite during the quarter for second party or material was imported for application- n 2.
<a href="#">Information</a>

r of this submission and supporting  
AIM Act.

ing period. If no HFCs were imported, the table may be left blank. If HFCs were imported for second pa

3b	4	5	6	7
U.S. Customs Entry Line Number	Is the Imported Substance a Blend? §84.31(c)(2)(i)	HTS Code §84.31(c)(1)(iii)	Shipment Importer Number §84.31(c)(2)(x)	HFC or HFC Blend Imported §84.31(c)(2)(i)

[illegible]

[illegible]

[illegible]

[illegible]



[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]



[illegible]

[illegible]

[illegible]

[illegible]

[illegible]



erty transformation or second party destruction, provide a copy of the transformation verifications showi

8	9a	9b	9c	9d	9e
Quantity of HFC or HFC Blend Imported (kg) §84.31(c)(2)(i)	Blend Informati				
	HFC Imported (1)	HFC Composition of Blend (1) (%)	HFC Imported (2)	HFC Composition of Blend (2) (%)	HFC Imported (3)

[illegible]



[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]



















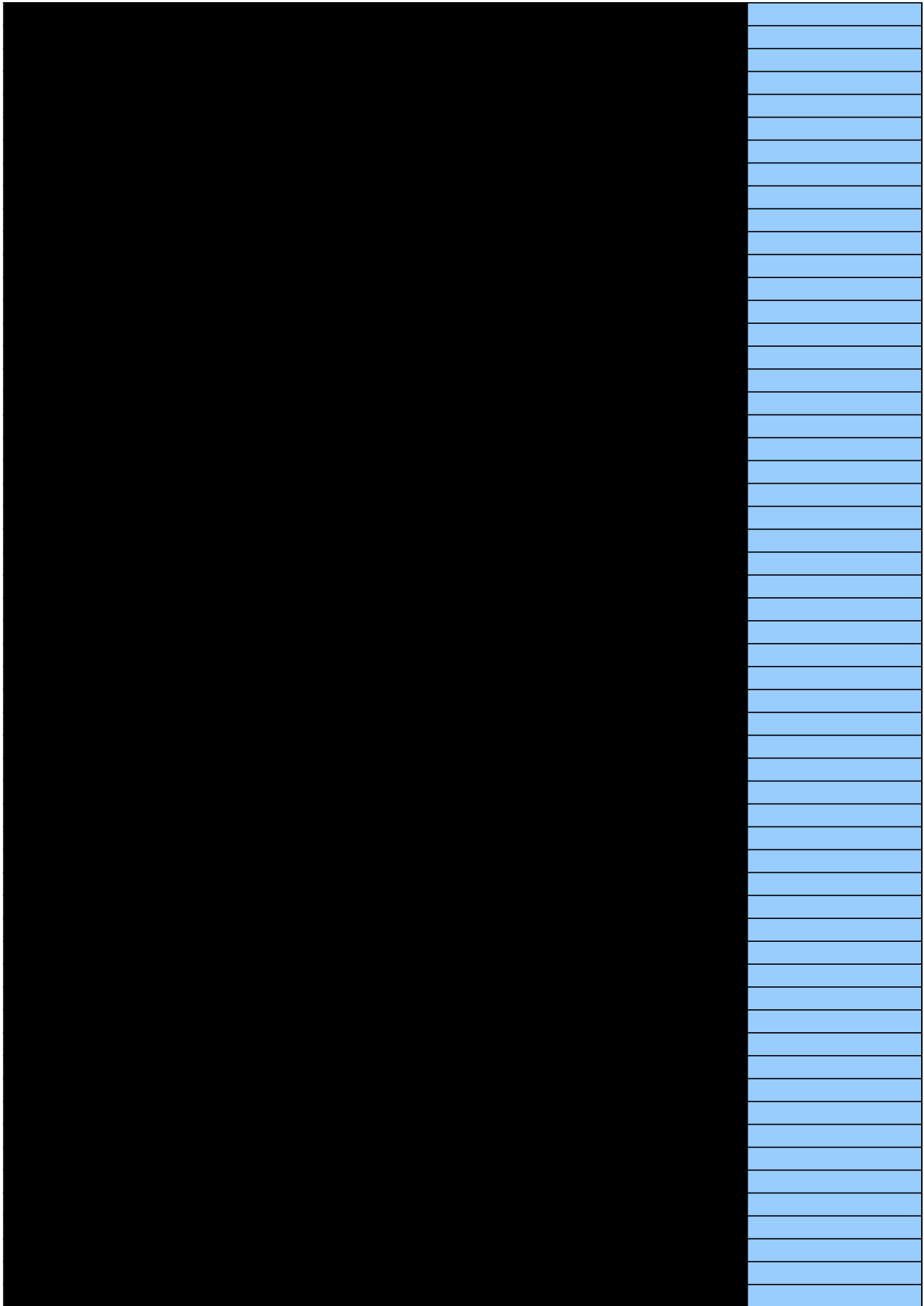




ng that the purchaser or recipient of imported regulated substances intends to transform those substances c

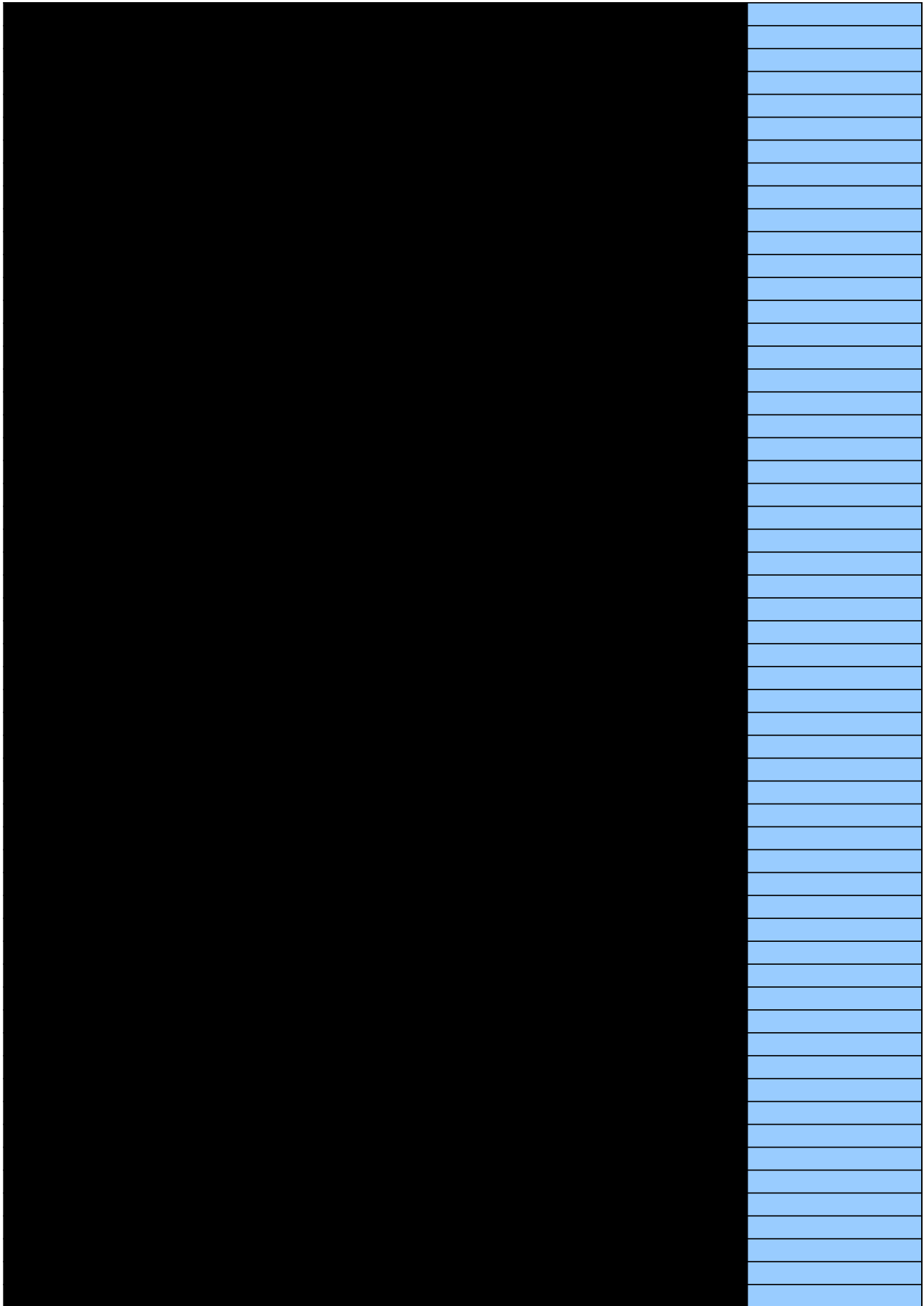
Import Information					
9f	9g	9h	9i	9j	10
on §84.31(c)(2)(i)					Port of Entry §84.31(c)(2)(vi)
HFC Composition of Blend (3) (%)	HFC Imported (4)	HFC Composition of Blend (4) (%)	HFC Imported (5)	HFC Composition of Blend (5) (%)	

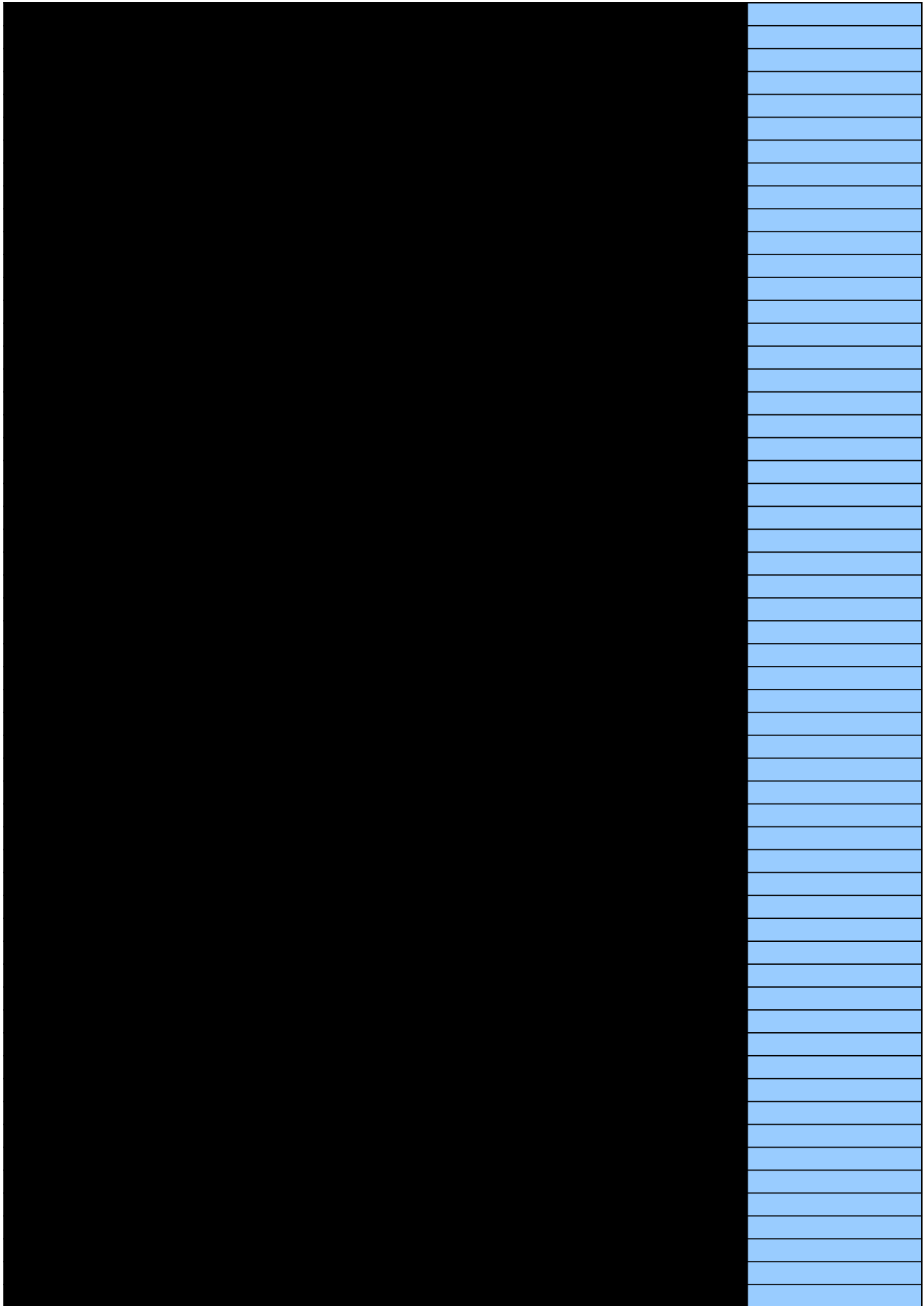








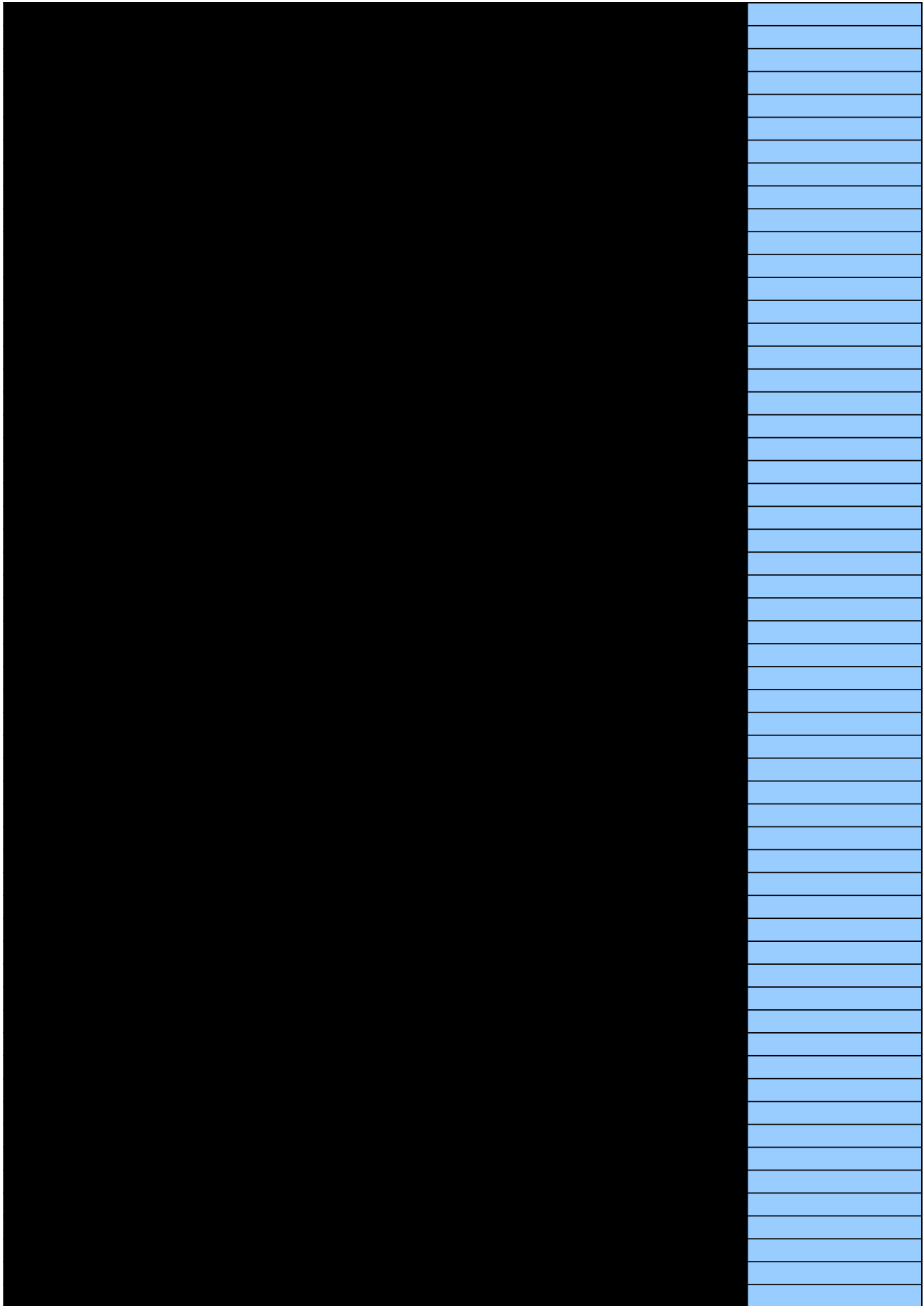


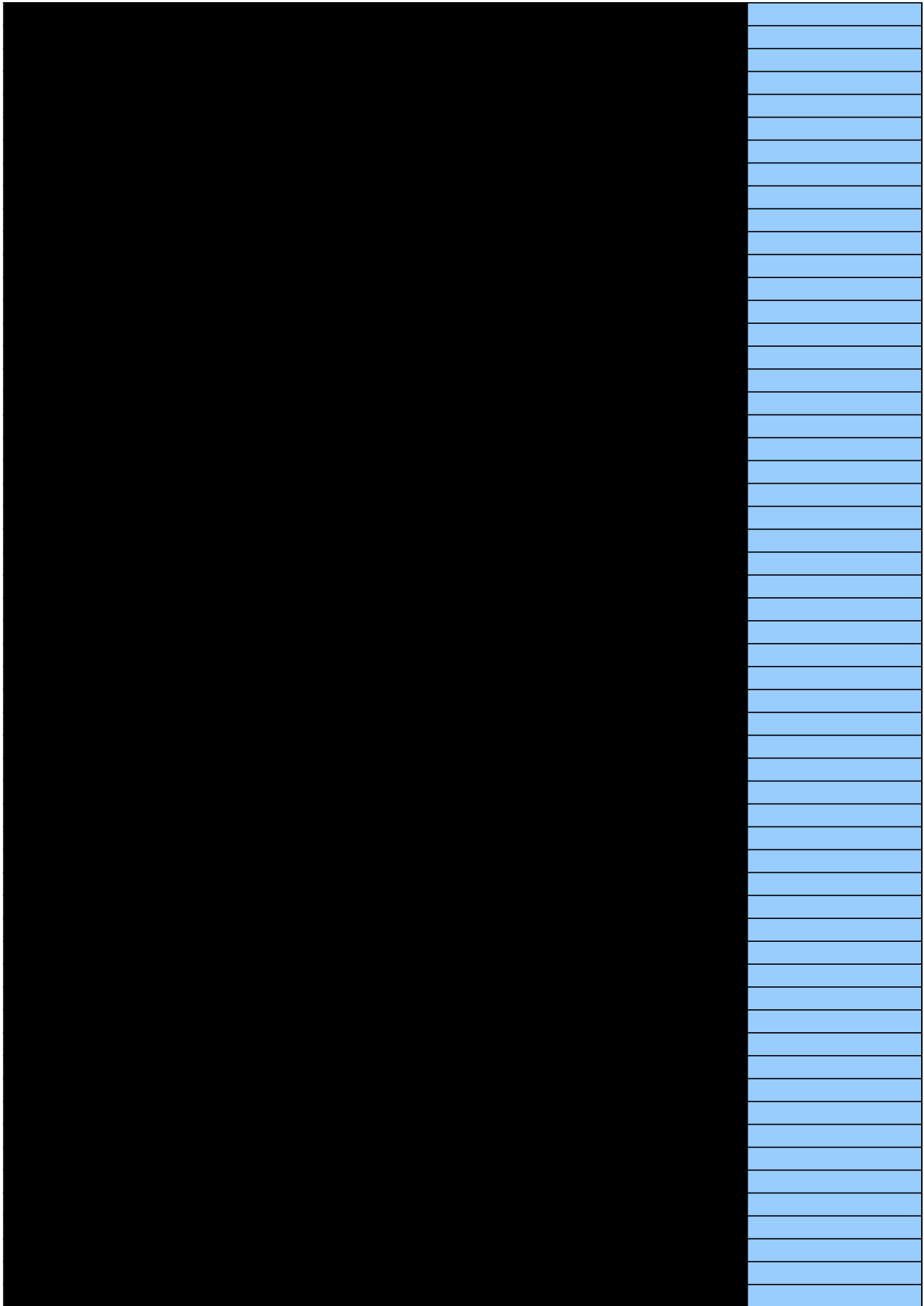






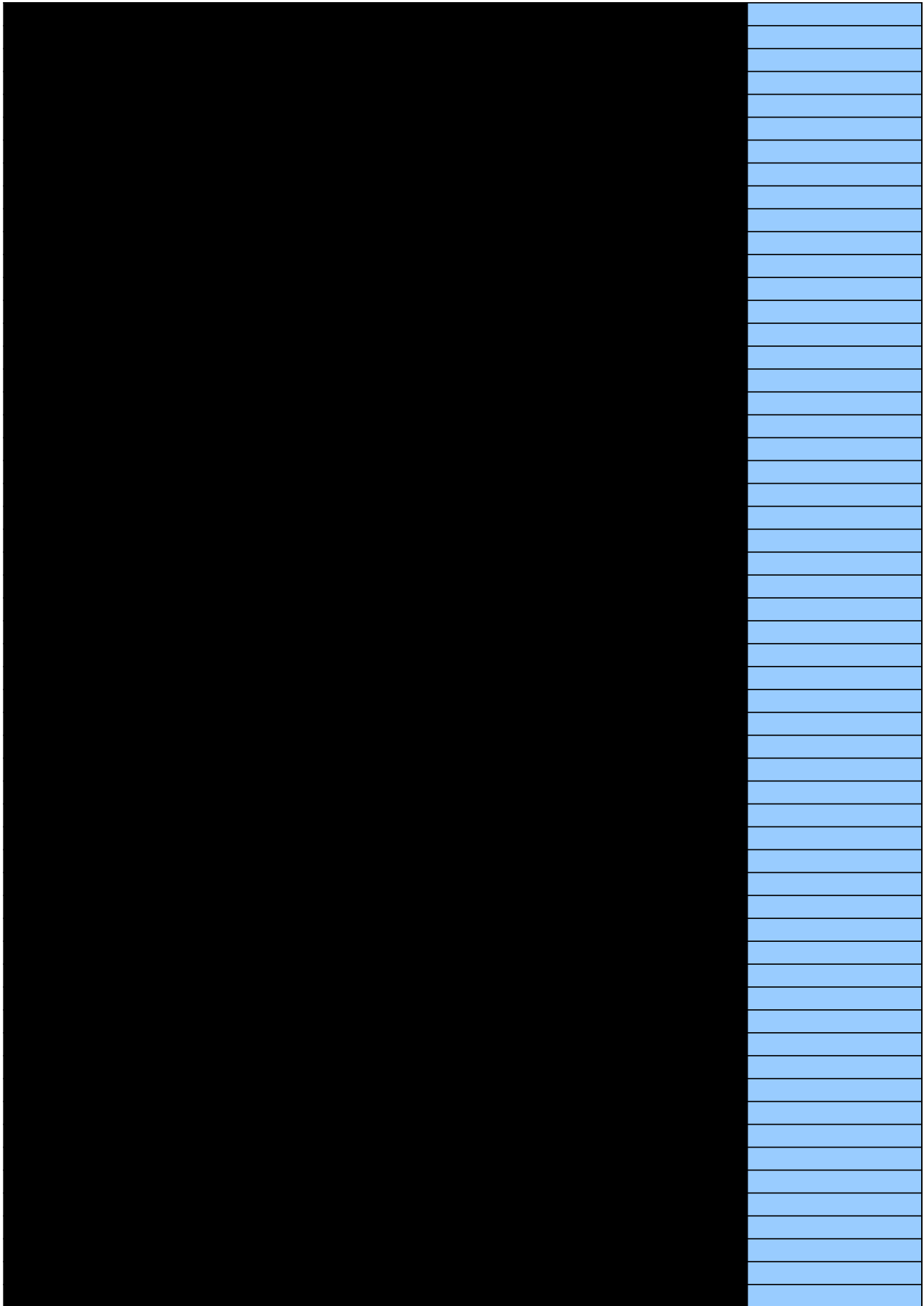


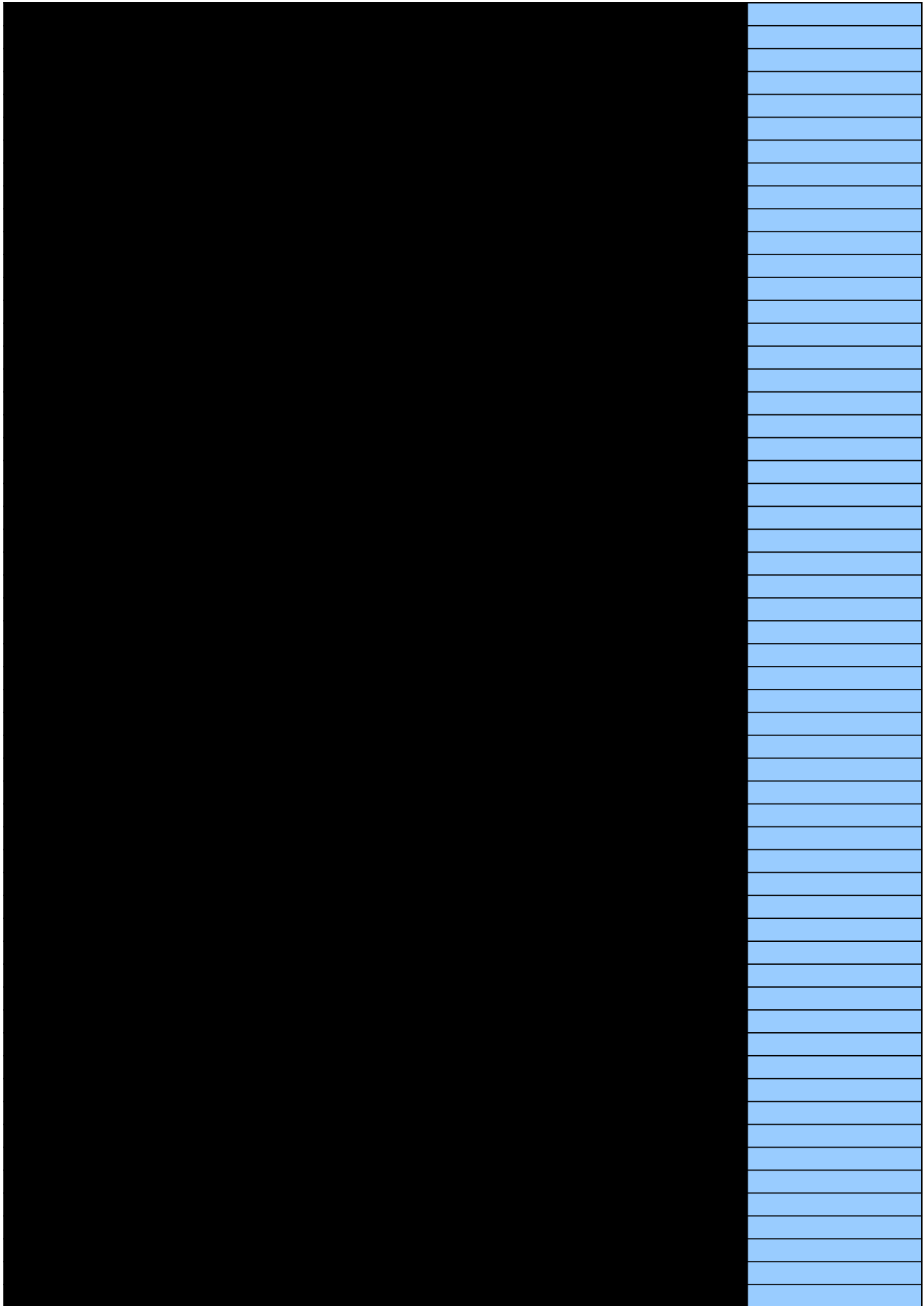








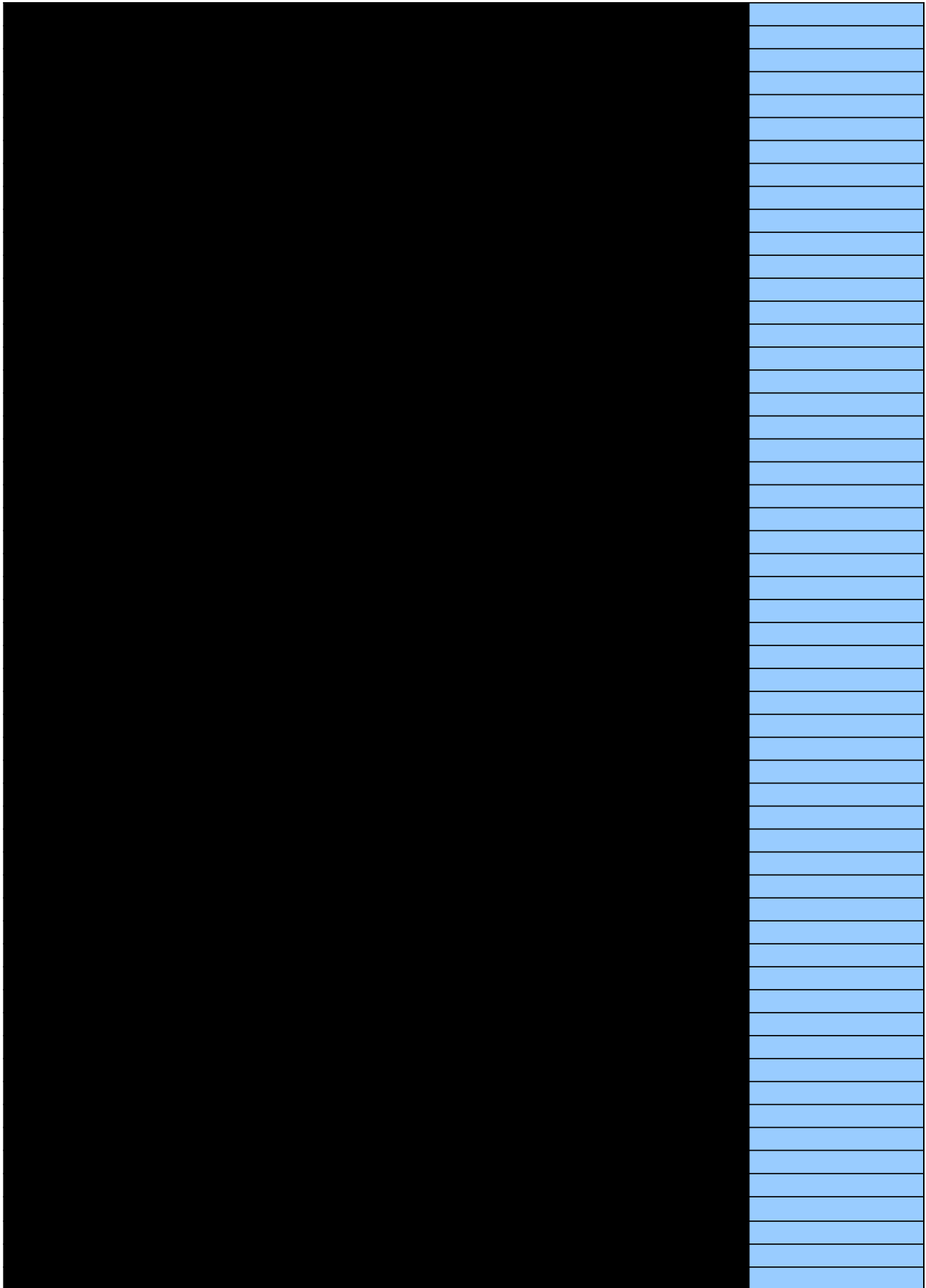












Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100																																																																																																																																																																																																																																											
Population (millions)	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8</

or destruction verifications showing that the purchaser or recipient intends to destroy the regulated substances. A

11	12	13	14	15
Source Country §84.31(c)(2)(vii)	Transaction Type §84.31(c)(2)(ii)	Intended Use §84.31(c)(2)(iii) §84.31(c)(2)(iv)	Date of Non- Objection Notice	Purchased at Government Auction? §84.31(m)(i)

[illegible]

[illegible]

[illegible]



[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]



[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

additionally provide records required under §84.25(b)(5) documenting proof that used material

16a	16b	16c
Quantity of HFC or HFC Blend Impo (k §84.31(c)		
Application-Specific: Propellants in MDIs	Application-Specific: Structural Composite Foam	Application-Specific: Semiconductors



[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]



[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]



[illegible]

[illegible]

al imported for destruction was destroyed. §84.31(c)(1)(viii)

16d	16e	16f
orted by Allowance Type Expended g) c)(2)(iv)		
Application-Specific: Onboard Aerospace Fire Suppression	Application-Specific: Military	Consumption

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]



[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]



[illegible]

[illegible]

[illegible]

[illegible]

[illegible]













































# American Innovation and Manufacturing (AIM) Act Hydroflurocarbon (HFC) Importer Quarterly Report

<b>Worksheet Instructions:</b>	
Complete and submit an HFC Importer Quarterly Report if your company imports HFCs during the quarter. Section 2 must be completed if your company imported HFCs during the quarter, Section 2 may be left blank. Section 3 must be completed if imported HFCs are used for second party transformation or second party destruction. Section 4 must be completed if you are an application-specific allowance holder. Section 5 is automatically populated based on your Section 4 information.	
<b>Version:</b>	
r0.7	
<b>Updated:</b>	
7/2/2025	
<b>External Links:</b>	
<a href="#">HFC Allocation Rule Reporting HelpDesk</a> <a href="#">AIM Act Paperwork Reduction Act Bulletin</a>	
<b>Reporting Form Navigation:</b>	
<a href="#">Section 1 - Company Identification</a>	<a href="#">Section 4 - Application-Specific Allowance Holders</a>
<a href="#">Section 2 - Import Information</a>	<a href="#">Section 5 - Quarterly Import Summary</a>
<a href="#">Section 3 - Recipient Facility Information</a>	

## Section 3 - Recipient Facility Information

**Instructions:** Provide the quantity of HFCs sold or transferred during the quarter to the purchaser or recipient of imported regulated substances intends to transform or use.

1	2
HFC	Recipient Facility Name §84.31(c)(1)(vii)
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	

12		
13		
14		
15		
16		
17		
18		
19		
20		

## Section 4 - Application-Specific Allowance Holder Information

Instructions: Identify the application-specific allowance holders from whom you placed orders through the end of the quarter.

	1	2
	Application-Specific Allowance Holder From Whom Orders Were Placed §84.31(c)(1)(iv)	Application-Specific Allowance Holder Company ID
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

OMB Control Number: 2060-0734

Expiration Date: MM/DD/YYYY

HFCs. Section 1 must be completed prior to the reporting quarter; if no HFCs were imported during the quarter, the importer must indicate that no material was shipped off-site during the quarter for use in the production of HFCs. Section 2 must be completed if orders were placed or material was imported for use in the production of HFCs, even if no data entered in Section 2.

transfer to another facility for use in processes resulting in their transformation or destruction, or in those substances or destruction verifications showing that the purchaser or recipient is not a

[illegible]



struction. For each second party recipient listed, provide a copy of the transformation verification report if the recipient intends to destroy the regulated substances. §84.31(c)(1)(viii)

[illegible]

[illegible]

d during the quarter by expending application-specific allowances for each allowance holder.

[illegible]

ications showing that the

[illegible]







## American Innovation and Manufacturing (AIM) Act Hydrofluorocarbon (HFC) Importer Quarterly Report

**Worksheet Instructions:**

Complete and submit an HFC Importer Quarterly Report if your company imports HFCs. Section 1 must be completed. Section 2 must be completed if your company imported HFCs during the reporting quarter; if no HFCs were imported, Section 2 may be left blank. Section 3 must be completed if imported material was shipped off-site during the quarter for transformation or second party destruction. Section 4 must be completed if orders were placed or material was imported by specific allowance holders. Section 5 is automatically populated based on data entered in Section 2.

**Version:**

r0.7

**Updated:**

7/2/2025

**External Links:**[HFC Allocation Rule Reporting HelpDesk](#)[AIM Act Paperwork Reduction Act Burden](#)**Reporting Form Navigation:**[Section 1 - Company Identification](#)[Section 4 - Application-Specific Allowance Holder Information](#)[Section 2 - Import Information](#)[Section 5 - Quarterly Import Summary](#)[Section 3 - Recipient Facility Information](#)

### Section 5 - Quarterly Import Summary

**Instructions:** The values in the tables below are calculated based on data entered in Section 2. If the totals ap

	1	2	3	4
	HFC Imported	Gross Imports (kg)	Transshipment (kg)	In-House Transformation (kg)
1	HFC-23	0.00	0.00	0.00
2	HFC-32	0.00	0.00	0.00
3	HFC-41	0.00	0.00	0.00
4	HFC-43-10mee	0.00	0.00	0.00
5	HFC-125	0.00	0.00	0.00
6	HFC-134	0.00	0.00	0.00
7	HFC-134a	0.00	0.00	0.00
8	HFC-143	0.00	0.00	0.00
9	HFC-143a	0.00	0.00	0.00
10	HFC-152	0.00	0.00	0.00
11	HFC-152a	0.00	0.00	0.00
12	HFC-227ea	0.00	0.00	0.00
13	HFC-236cb	0.00	0.00	0.00
14	HFC-236ea	0.00	0.00	0.00
15	HFC-236fa	0.00	0.00	0.00
16	HFC-245ca	0.00	0.00	0.00
17	HFC-245fa	0.00	0.00	0.00
18	HFC-365mfc	0.00	0.00	0.00

**Allowances Expended Summary**

<b>Amount of Consumption Allowances Expended (MTEVe)</b>	<b>Amount of Application- Specific Allowances Expended (MTEVe)</b>	<b>Propellants in MDIs (MTEVe)</b>	<b>Structural Composite Foam (MTEVe)</b>
0.0	0.0	0.0	0.0

1

ed prior to submission.  
during the quarter,  
for second party  
ted for application-

pear to be incorrect, please return to Section 2 to review your data.

Quarterly Import Summary				
5	6	7	8a	8b
Second-Party Transformation (kg)	In-House Destruction (kg)	Second-Party Destruction (kg)	Propellants in MDIs (kg)	Structural Composite Foam (kg)
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00

Semiconductors (MTEVe)	Onboard Aerospace Fire Suppression (MTEVe)	Military (MTEVe)
0.0	0.0	0.0



HFC Blends	HFC-23	HFC-32	HFC-125	HFC-134a	HFC-143a	HFC-152a	HFC-227ea	HFC-236fa
R-401A						0.13		
R-401B						0.11		
R-401C						0.15		
R-402A			0.6					
R-402B			0.38					
R-404A			0.44	0.04	0.52			
R-405A						0.07		
R-407A		0.2	0.4	0.4				
R-407B		0.1	0.7	0.2				
R-407C		0.23	0.25	0.52				
R-407D		0.15	0.15	0.7				
R-407E		0.25	0.15	0.6				
R-407F		0.3	0.3	0.4				
R-407G		0.025	0.025	0.95				
R-407H		0.325	0.15	0.525				
R-407I		0.195	0.085	0.72				
R-408A			0.07		0.46			
R-410A		0.5	0.5					
R-410B		0.45	0.55					
R-411A						0.11		
R-411B						0.03		
R-413A				0.88				
R-415A						0.18		
R-415B						0.75		
R-416A				0.59				
R-417A			0.466	0.5				
R-417B			0.79	0.183				
R-417C			0.195	0.788				
R-418A						0.025		
R-419A			0.77	0.19				
R-419B			0.485	0.48				
R-420A				0.88				
R-421A			0.58	0.42				
R-421B			0.85	0.15				
R-422A			0.851	0.115				
R-422B			0.55	0.42				
R-422C			0.82	0.15				
R-422D			0.651	0.315				
R-422E			0.58	0.393				
R-423A				0.525			0.475	
R-424A			0.505	0.47				
R-425A		0.185		0.695			0.12	
R-426A			0.051	0.93				
R-427A		0.15	0.25	0.5	0.1			
R-427C		0.25	0.25	0.4	0.1			
R-428A			0.775		0.2			
R-429A						0.1		
R-430A						0.76		
R-431A						0.29		
R-434A			0.632	0.16	0.18			
R-435A						0.2		
R-437A			0.195	0.785				
R-438A		0.085	0.45	0.442				

R-439A		0.5	0.47					
R-440A				0.016		0.978		
R-442A		0.31	0.31	0.3		0.03	0.05	
R-444A		0.12				0.05		
R-444B		0.415				0.1		
R-445A				0.09				
R-446A		0.68						
R-447A		0.68	0.035					
R-447B		0.68	0.08					
R-448A		0.26	0.26	0.21				
R-448B		0.21	0.21	0.31				
R-449A		0.243	0.247	0.257				
R-449B		0.252	0.243	0.273				
R-449C		0.2	0.2	0.29				
R-450A				0.42				
R-451A				0.102				
R-451B				0.112				
R-452A		0.11	0.59					
R-452B		0.67	0.07					
R-452C		0.125	0.61					
R-453A		0.2	0.2	0.538			0.05	
R-454A		0.35						
R-454B		0.689						
R-454C		0.215						
R-455A		0.215						
R-456A		0.06		0.45				
R-457A		0.18				0.12		
R-457B		0.35				0.1		
R-458A		0.205	0.04	0.614			0.135	0.006
R-459A		0.68						
R-459B		0.21						
R-460A		0.12	0.52	0.14				
R-460B		0.28	0.25	0.2				
R-460C		0.025	0.025	0.46				
R-461A			0.55	0.32	0.05		0.05	
R-462A		0.09	0.42	0.44	0.02			
R-463A		0.36	0.3	0.14				
R-464A		0.27	0.27				0.06	
R-465A		0.21						
R-466A		0.49	0.115					
R-467A		0.22	0.05	0.724				
R-468A		0.215						
R-469A		0.325	0.325					
R-470A		0.17	0.19	0.07			0.03	
R-470B		0.115	0.115	0.03			0.07	
R-471A							0.043	
R-472A		0.12		0.19				
R-473A	0.1		0.1					
R-500						0.262		
R-503	0.401							
R-504		0.482						
R-507			0.5		0.5			
R-507A			0.5		0.5			
R-508A	0.39							



R-508B	0.46							
R-512A				0.05		0.95		
R-513A				0.44				
R-513B				0.415				
R-515A							0.12	
R-515B							0.089	
R-516A				0.085		0.14		