

Simple Statistics of Alaska Department of Environmental Conservation’s review of EPA Certification Test Reports

The following statistics are based upon applying the Decision Matrix to the reviewed test reports. However, actual lists may vary slightly given that some devices’ milestone dates were extended prior to the finalization of the matrix and are therefore grandfathered until the existing milestone expires.

Cordwood Stoves

Overall Summary Statistics						
	# of Reports Reviewed	Disapproved (emission threshold)	Disapproved (unable to verify)	No Determination (Report Issues)	Approved/Pending	Approved w/ Flags
ASTM E3053	67	32	2	33	0	0
EPA M28R	62	23	2	9	28	0
Not reported	2	0	2	0	0	0
Total	131	55	6	42	28	0

ADEC Emission Threshold Statistics				
	2.0 g/hr Avg	6.0 g/hr 1-hr	Both	Total
ASTM E3053	1	22	9	32
EPA M28R	1	21	1	23
Not reported	0	0	0	0
Total	2	43	10	55

Number of ASTM 3053 Reports Reviewed with:						
0 Flags	1 Flag	2 Flags	3 Flags	4 Flags	5 Flags	6 Flags
0	1	3	10	16	22	15

Statistics for ASTM 3053 Flags (Issues 29a-29f)						
Flag Description	Med vs Low Burn (29a)	Log Length (29b)	Atypical Fuel (29c)	50% Squared (29d)	50% Debarked (29e)	Firebox vol diff by over 5% (29f)
# Reports w/ Flags	47	44	56	57	59	38

Decision Matrix Statistics					
Method	E3053	M28R	NR	All Methods	Decision Matrix Description
	32	23	0	55	Moved to Disapproved list (did not meet ADEC's emission threshold)
	2	2	2	6	Moved to Disapproved list (unable to verify emission threshold)
	14	8	0	22	Moved to No Determination list (flags relating to emissions issues)
	3	1	0	4	Remains on No Determination list (post 5/15/2020 cert date emission flags)
	15	0	0	15	Moved to no determination - non representative test concerns
	1	0	0	1	Remains on no determination - non rep. test concerns (post 5/15/2020 cert date)
	0	11	0	11	Remains on the Approved list pending based on milestone data
	0	16	0	16	Remains on the Approved list pending EPA determination
	0	1	0	1	Moved to Approved list pending EPA determination (post 5/15/2020 cert date)
	0	0	0	0	Moved to Approved List with flags (post 5/15/2020 cert date)
	0	0	0	0	Remains on Approved List with flags
Total	67	62	2	131	

Pellet stoves

Overall Summary Statistics						
	# of Reports Reviewed	Disapproved (emission threshold)	Disapproved (unable to verify)	No Determination (Report Issues)	Approved/Pending	Approved w/ Flags
Other (ATM)	2	0	0	0	2	0
ASTM 2779	83	3	5	34	41	0
Not reported	11	0	11	0	0	0
Total	96	3	16	34	43	0

ADEC Emission Threshold Statistics				
	2.0 g/hr Avg	6.0 g/hr 1-hr	Both	Total
Other (ATM)	0	0	0	0
ASTM 2779	0	3	0	3
Not reported	0	0	0	0
Total	0	3	0	3

Decision Matrix Statistics					
Method	Other (ATM)	ASTM 2779	Not reported	All Methods	Decision Matrix Description
	0	3	0	3	Moved to Disapproved list (did not meet ADEC's emission threshold)
	0	5	11	16	Moved to Disapproved list (unable to verify emission threshold)
	0	27	0	27	Moved to No Determination list (flags relating to emissions issues)
	0	7	0	7	Remains on No Determination list (post 5/15/2020 cert date emission flags)
	0	0	0	0	Moved to no determination - non representative test concerns
	0	0	0	0	Remains on no determination - non rep. test concerns (post 5/15/2020 cert date)
	2	13	0	15	Remains on the Approved list pending based on milestone data
	0	28	0	28	Remains on the Approved list pending EPA determination
	0	0	0	0	Moved to Approved list pending EPA determination (post 5/15/2020 cert date)
	0	0	0	0	Moved to Approved List with flags (post 5/15/2020 cert date)
	0	0	0	0	Remains on Approved List with flags
Total	2	83	11	96	