As of February 1, 2022

The following are issues, findings, and resolutions regarding Alaska's certificaton test reviews and additional data received by manufacturer's when addressing report deficiencies that were found. Detailed information regarding how ADEC will address the issues, including when and how flags in the summary review sheets are handled may be found below. Issues will be added and resolutions updated as new information becomes available.

	Finding	Resolution	Stays on Approved List
Lines 11, 12)(Pellet: Lines 11, 12)	incomplete, refer to Regulatory Basis document section	For flag removal, information must be publicly posted on a webpage, and confirmed by ADEC.	Yes
Missing 1-hr value or average/emission standard	Must be reported for each run, refer to Regulatory	If a valid test run did not record the value, the entire test will be considered incomplete. Requires a complete new certification test.	103
(Cordwood: Line 14) (Pellet: Line 14)		Move to No Determination List	No - Retest to resolve
grams per hour (Cordwood: Line 14) (Pellet: Line 14)		Basis for conditional decision: cannot determine compliance without calculating gram per hour metric. Required metric under ADEC regulations. If recalculation is above 6 g/hr disapproved appliance. If recalculation <6 g/hr flag removed.	No - Retest to resolve
	Must be reported, refer to Regulatory Basis document sections 3.4, 3.5, and 3.6. Cannot be approved.	Emission data must be reported. If data collected but not reported or not in posted report, device moved to No Determination List until new updated report. Flags remain until full test posted, ADEC must confirm publically posted report in order to remove flags. ADEC must also be cc'd on email formally submitting updated report to EPA. ADEC will make a determination once EPA has approved new report and confirms manufacturer posts full test report. Device will be moved to No Determination List unless manufacturer contacted ADEC prior to removal from Approved List to adjust milestone dates.	
Manufacturers instructions - no	Must be reported, refer to Regulatory Basis document	Conditional decision basis. If instructions do not contain all written	Conditional
instructions found (Cordwood: Line 18) (Pellet: Line 18)	section 3.6. Cannot be approved.	instructions required by the method, data must be submitted to show how this information was communicated to the lab. If data cannot be provided, retesting must be done with complete instructions from the manufacturer to have a valid test under federal regulations.	
Manufacturers instructions -	Used owners manual instructions.	Flag removed.	Conditional
directed lab to owners manual			Yes
		Retest decision basis. If manufacturer instructions to lab contradict or include instructions not in the owners manual. Appliance must be retested according to owner's manual instructions. Owners' manual instruction changes will not suffice since models have been sold or distributed with older manual and manufacturers cannot provide adequate compliance assurance mechanisms to assure that the older manual will not be used by homeowners.	Retest to resolve
calculations - missing. (Cordwood: Lines 19, 20, 21) (Pellet: N/A)	sections 3.7, 3.8, and 3.9. Cannot be approved. Note longest dimensions determine length appropriateness, please make sure largest firebox dimension is listed in cell 19F, and cell 19G is firebox dimension. NOTE: while	Conditional decision basis: If data can be submitted that shows the firebox volume reported was calculated appropriately, flag can be removed. If the data cannot be submitted, unit was not run according to test method and needs to be retested.	
questionable measurement	definitions is reasonable for use, refer to Regulatory	,	Conditional
	volume used for fueling was not correct.	to test method and needs to be retested.	Conditional
materials contradict test report. (Cordwood: Line 19) (Pellet: N/A)	definitions is reasonable for use, refer to Regulatory Basis document section 3.7. Determination that firebox	Retest decision basis: If difference is greater than 5% test is invalid per federal requirements and must be retested.	Conditional
completeness (Cordwood: Lines	aging was completed correctly, refer to Regulatory	Incomplete report, flag remains until data submitted to ADEC, updated report posted and posting confirmed, and ADEC cc'd on email submitting revised report to EPA.	Ver
requirements for burn rate		Conditional decision basis: If data can be submitted that shows the conditioning met the burn rate requirements for the method used, flag can be removed. If the data cannot be submitted, unit was not run according to test method and needs to be retested.	Yes Yes - re-test required to
	Based on data provided conditioning did not most the #	Conditional decision basis: If data can be submitted that shows the	renew cert
for # of hours	of hours required by the method, refer to Regulatory	Conditional decision basis: If data can be submitted that shows the conditioning met the hour requirements for the method used, flag can be removed. If the data cannot be submitted, unit was not run according to test method and needs to be retested.	Yes - re-test required to renew cert
summary not included in test report (Cordwood: Lines 28, 29,	Summary tables are present but no narrative for the run by run details summarized.	Flag remains in place unless report revised to include narrative. Flag will be cleared when data submitted to ADEC, updated report posted and posting confirmed, and ADEC is cc'd on email submitting revised report to EPA.	Yes
Traduitegi Freid Traduitegi Freid Freid Scoller Scoller Scoller	Missing 1-hr value or average/emission standard (Cordwood: Line 14) (Pellet: Line 14) Failure to report 1-hr value in grams per hour (Cordwood: Line 14) (Pellet: Line 14) Failure to report efficiency, burn rate, or other required reporting element. (Cordwood: Lines 14, 15, 17, 36, 37, 38, 49, 50, 55, 56) Pellet: Lines 14, 15, 16, 20, 37, 45) Manufacturers instructions - no nstructions found (Cordwood: Line 18) (Pellet: Line 18) Manufacturers instructions - directed lab to owners manual Manfacturers instructions to lab contradict owners manual opperation (Cordwood: Line 18) Pellet: Line 18) Firebox dimensions and calculations - missing. (Cordwood: Lines 19, 20, 21) (Pellet: N/A) Firebox volume (M28) - questionable measurement firebox volume - manufacturer materials contradict test report. Cordwood: Lines 22, 23) Stove conditioning data - data completeness (Cordwood: Lines 25, 26) (Pellet: Lines 22, 23) Stove conditioning data - requirements for # of hours	2.3.   Wising 1-th value or werage/emission standard Cordwood: Line 14) (Pellet: Line 14) Must be reported for each run, refer to Regulatory Basis document section 3.2.   14) Must be reported for each run, refer to Regulatory Basis document section 3.2.   14) Must be reported, refer to Regulatory Basis document sections 3.4, 3.5, and 3.6. Cannot be approved.   15, 16, 20, 37, 48, 49, 50, 55, 56) Must be reported, refer to Regulatory Basis document sections 3.4, 3.5, and 3.6. Cannot be approved.   16, 17, 36, 37, 38, 49, 50, 55, 56) Must be reported, refer to Regulatory Basis document section 3.6. Cannot be approved.   17, 16, 37, 38, 49, 50, 55, 56) Must be reported, refer to Regulatory Basis document section 3.6. Cannot be approved.   18, 19, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10	3.3.   Autility expected for each run, refer to Regulatory Basis document section 3.2.   If a valid test run du not record the value, the entre test will be considered incomplete. Require a complete new certification test.     40   Autility test reported for each run, refer to Regulatory Basis document section 3.2.   Basis for conditional decision: cannot determine compliance without calculating gram per hour match. Require a marking calculatory Basis document section 3.2.     51.0   Must be reported for each run, refer to Regulatory Basis document section 3.2.   Basis for conditional decision: cannot determine compliance without calculating gram per hour match. Require marking calculatory Basis document section 3.4. So, and 3.6. Cannot be approved.   Basis for conditional decision: cannot determine compliance without calculating gram per hour match. Require run compliance without calculating gram per hour match is upplicable.     51.0   7.8.9.7.8.8, 67.8, 50.5.5.5.5.   Must be reported, refer to Regulatory Basis document matchear per test in the second and run set experts of nex tools and manufactures instructions - one manufactures instructions and the second and contrainal minimum.     61.0   Must be reported, refer to Regulatory Basis document matchear instructions run and matchear instructions to busis.     61.0   Must be reported, refer to Regulatory Basis document section 5.1.   Fig removed.   Conditional decision basis. If manufactures matchear instructions manufactures instructions ru

	Summary narrative - doesn't address negative values,	Summary narrative does not provide information summarzing deviations, but the information was found	Flag remains in place unless report revised. Flag will be cleared when data submitted to ADEC, updated report posted and posting confirmed,	
15	proportionality, or train precision deviations.	in report. Refer to Regulatory Basis document section 3.18.	and ADEC is cc'd on email submitting revised report to EPA.	Yes
-		Used ASTM 3053 or M28R - no photographs provided,	Flag remains. Photographs are required, at the time of the test, to	
	Line 32) (Pellet: N/A)	refer to Regulatory Basis document sections 3.20, 5.7,	ensure proper loading configuration and representativeness. ADEC	
16		5.8, and 5.9.	unable to determine compliance with emission requirements.	Yes - re-test required to renew cert
10	Photo documentation (Cordwood:	Used ASTM 3053 or M28R - some photographs	Flag remains because not all photos were submitted but enough to	
	Lines 32, 52) (Pellet: N/A)	provided but not all pictures provided, loading	determine loading configuration.	
		configuration can be determined. Refer to regulatory		
		basis document sections 3.20, 5.7, 5.8, and 5.9.		
17				Yes
	Photo documentation (Cordwood: Lines 32, 52) (Pellet: N/A)	Used ASTM 3053 or M28R - photographs provided but loading configuration cannot be determined. Refer to	Original lab notes were reviewed for written description. If this is not presented, the unit did not follow the method and loading	
		Regulatory Basis document sections 3.20, 5.7, 5.8, and	configuration and representativeness could not be determined. Device	
		5.9.	moved to No Determination List. After the fact written descriptions	
18			cannot be confirmed. Report will be referred to EPA for a finding.	Yes - re-test required to renew cert
18	New test data provided but it's	Reports must match, and be submitted to EPA for	Flags remain until full test posted and ADEC has confirmed public	renew cert
	not in the posted report.	approval. Refer to Regulatory Basis document section	access and has been cc'd on email of report submittal to EPA.	
19		7.3.	· · · · · · · · · · · · · · · · · · ·	Yes
	Run not used and not reported	Per federal regulation this element is a required	Basis for conditional decision. If missing run data was not provided in	
	(Cordwood: Lines 34 - 38) (Pellet:	reporting element, refer to Regulatory Basis document	the report, then confirmation that full test was valid cannot be	
	Lines 30 - 37)	section 7.2.	confirmed. If all data can be provided, then flag removed. If data cannot be provided, retest required to ensure a valid test under federal	
			regulations.	
			· · · · · ·	
20				Retest to resolve
			If run data submitted, including 1-hr filter pull, and the 1-hr filter is	
	60-minute (Cordwood: Lines 34 -	to Regulatory Basis document section 4.2.	below Alaska standard, flag for filter plugged but device may be on	
	38) (Pellet: Lines 30 - 37)		approved list if no other issues and if evidence is provided that a filter change was not feasible to complete the test run. EPA must make	
			decision of run validity for overall test validity. Flag will remain pending	
			EPA decision.	
21a				Yes
		_	If run data not submitted which could have included a 1-hr filter pull	
	60-minute (Cordwood: Lines 34 - 38) (Pellet: Lines 30 - 37)	to Regulatory Basis document section 4.2.	due to filter plug after 60 minutes, see issue #20. Device removed from Approved List pending EPA decision on run and overall test validity.	
21b	56) (Fellet, Ellies 50 - 57)		Approved List pending Er A decision on run and overall test validity.	Retest to resolve
	Filter plugged during test run	Filters should have been monitored and changed. Refer	Filter plugged within the first 60 minutes. Concern that there may be a	
		to Regulatory Basis document section 4.2.	practice to let filters plug in lieu of finishing run and then making a	
22	Lines 30 - 37) Negative 1-hr filter value	Invalid data = invalid test, refer to Regulatory Basis	determination of valid or invalid run. Manufacturer can submit justification, review committee to make final	Retest to resolve
	(Cordwoood: Line 38) (Pellet: Line		determination. If incorrect volume used, moved to no determination	
23	36)		list or require retesting.	Retest to resolve
	Filter data (Cordwood: Line 39)	Must be reported. Cannot be approved. Refer to	Flags remains until full test posted, ADEC remove flag when posted.	
	(Pellet: Line 38)	Regulatory Basis document section 4.11.	ADEC makes determination once EPA approved and manufacturer	
			posts full test report.	
24				Conditional
	Train precision not reported	Train precision is a required element of 2515, must be	Test method issue, flags remain, but device may remain on Approved	
	(Cordwood: Line 40) (Pellet:	calculated and reported. Refer to Regulatory Basis	List.	
25	Line39)	document section 4.12.		Yes
	Negative filter weights not	Per Oregon requirements, if acetone rinse not completed, values must be recalculated using zero (0)	Basis for conditional decision: If negative filter weights were not handled appropriately, test values must be recalculated and report	
	42) (Pellet: Line 41)	rather than negative value. Refer to Regulatory Basis	revised. If values above ADEC limits, unit disapproved, units below	
		document section 4.14.	value - flag removed, improprer procedures that cannot be recalculated	
			require retesting to ensure a valid test under federal regulations.	
26				
-				Conditional
-		Need data to confirm - measurement from test report	Basis for retest decision. If testing data cannot confirm or provides conflicting information, it cannot be assured that unit was tested at the	Conditional
	Lowest burn rate (Cordwood: Line 46) (Pellet: Line 42)	Need data to confirm - measurement from test report and ISO inspection to confirm on production models. Refer to Regulatory Basis document section 4.15.	conflicting information, it cannot be assured that unit was tested at the	Conditional
		and ISO inspection to confirm on production models.	-	Conditional
		and ISO inspection to confirm on production models.	conflicting information, it cannot be assured that unit was tested at the	
		and ISO inspection to confirm on production models.	conflicting information, it cannot be assured that unit was tested at the	Yes - re-test required to
27	46) (Pellet: Line 42)	and ISO inspection to confirm on production models. Refer to Regulatory Basis document section 4.15.	conflicting information, it cannot be assured that unit was tested at the lowest burn rate per the federal regulation. Unit must be retested.	
	46) (Pellet: Line 42) Fuel Length - Applies only to	and ISO inspection to confirm on production models. Refer to Regulatory Basis document section 4.15. M28R/ASTM 2780 Testing deviated from method -	conflicting information, it cannot be assured that unit was tested at the lowest burn rate per the federal regulation. Unit must be retested. Retest decision basis: If log length was not according to the method,	Yes - re-test required to
	46) (Pellet: Line 42)	and ISO inspection to confirm on production models. Refer to Regulatory Basis document section 4.15.	conflicting information, it cannot be assured that unit was tested at the lowest burn rate per the federal regulation. Unit must be retested.	Yes - re-test required to
	46) (Pellet: Line 42) Fuel Length - Applies only to appliances tested with	and ISO inspection to confirm on production models. Refer to Regulatory Basis document section 4.15. M28R/ASTM 2780 Testing deviated from method - invalid test. Refer to Regulatory Basis document	conflicting information, it cannot be assured that unit was tested at the lowest burn rate per the federal regulation. Unit must be retested. Retest decision basis: If log length was not according to the method,	Yes - re-test required to
27	46) (Pellet: Line 42) Fuel Length - Applies only to appliances tested with M28R/ASTM 2780 fuel length piece less than 5/6 longest dimension. (Cordwood: Line 50)	and ISO inspection to confirm on production models. Refer to Regulatory Basis document section 4.15. M28R/ASTM 2780 Testing deviated from method - invalid test. Refer to Regulatory Basis document	conflicting information, it cannot be assured that unit was tested at the lowest burn rate per the federal regulation. Unit must be retested. Retest decision basis: If log length was not according to the method,	Yes - re-test required to renew cert
27 28	46) (Pellet: Line 42) Fuel Length - Applies only to appliances tested with M28R/ASTM 2780 fuel length piece less than 5/6 longest dimension. (Cordwood: Line 50) (Pellet: N/A)	and ISO inspection to confirm on production models. Refer to Regulatory Basis document section 4.15. M28R/ASTM 2780 Testing deviated from method - invalid test. Refer to Regulatory Basis document sections 3.7, 3.8 and 5.5.	conflicting information, it cannot be assured that unit was tested at the lowest burn rate per the federal regulation. Unit must be retested. Retest decision basis: If log length was not according to the method, test is invalid per federal requirements and must be retested.	Yes - re-test required to renew cert Retest to resolve
27 28 e followi	46) (Pellet: Line 42) Fuel Length - Applies only to appliances tested with M28R/ASTM 2780 fuel length piece less than 5/6 longest dimension. (Cordwood: Line 50) (Pellet: N/A) <b>ng six items, labeled 29 a-f, only ap</b>	and ISO inspection to confirm on production models. Refer to Regulatory Basis document section 4.15. M28R/ASTM 2780 Testing deviated from method - invalid test. Refer to Regulatory Basis document sections 3.7, 3.8 and 5.5.	conflicting information, it cannot be assured that unit was tested at the lowest burn rate per the federal regulation. Unit must be retested. Retest decision basis: If log length was not according to the method, test is invalid per federal requirements and must be retested.	Yes - re-test required to renew cert Retest to resolve of the test method prior to
27 28 e followi cepting u	46) (Pellet: Line 42) Fuel Length - Applies only to appliances tested with M28R/ASTM 2780 fuel length piece less than 5/6 longest dimension. (Cordwood: Line 50) (Pellet: N/A) mg six items, labeled 29 a-f, only ap units tested with those units. ADEC	and ISO inspection to confirm on production models. Refer to Regulatory Basis document section 4.15. M28R/ASTM 2780 Testing deviated from method - invalid test. Refer to Regulatory Basis document sections 3.7, 3.8 and 5.5.	conflicting information, it cannot be assured that unit was tested at the lowest burn rate per the federal regulation. Unit must be retested. Retest decision basis: If log length was not according to the method, test is invalid per federal requirements and must be retested.	Yes - re-test required to renew cert Retest to resolve of the test method prior to
27 28 e followi cepting u	46) (Pellet: Line 42) Fuel Length - Applies only to appliances tested with M28R/ASTM 2780 fuel length piece less than 5/6 longest dimension. (Cordwood: Line 50) (Pellet: N/A) mg six items, labeled 29 a-f, only ap units tested with those units. ADEC	and ISO inspection to confirm on production models. Refer to Regulatory Basis document section 4.15. M28R/ASTM 2780 Testing deviated from method - invalid test. Refer to Regulatory Basis document sections 3.7, 3.8 and 5.5. ply to units tested with Broadly Applicable Alternative T has determined the following six elements will be review	conflicting information, it cannot be assured that unit was tested at the lowest burn rate per the federal regulation. Unit must be retested. Retest decision basis: If log length was not according to the method, test is invalid per federal requirements and must be retested.	Yes - re-test required to renew cert Retest to resolve of the test method prior to
27 28 e followi cepting u	46) (Pellet: Line 42) Fuel Length - Applies only to appliances tested with M28R/ASTM 2780 fuel length piece less than 5/6 longest dimension. (Cordwood: Line 50) (Pellet: N/A) ng six items, labeled 29 a-f, only ap units tested with those units. ADEC ment area. Tests with three or mor ASTM 3053 - low and medium burn rate (Cordwood: Line 36)	and ISO inspection to confirm on production models. Refer to Regulatory Basis document section 4.15. M28R/ASTM 2780 Testing deviated from method - invalid test. Refer to Regulatory Basis document sections 3.7, 3.8 and 5.5. Poly to units tested with Broadly Applicable Alternative T has determined the following six elements will be review e items flagged shall not be approved by ADEC. Medium and low load testing did not have air setting sufficient to create medium burn and/or med. low	conflicting information, it cannot be assured that unit was tested at the lowest burn rate per the federal regulation. Unit must be retested. Retest decision basis: If log length was not according to the method, test is invalid per federal requirements and must be retested.	Yes - re-test required to renew cert Retest to resolve of the test method prior to
27 28 e followi cepting u	46) (Pellet: Line 42) Fuel Length - Applies only to appliances tested with M28R/ASTM 2780 fuel length piece less than 5/6 longest dimension. (Cordwood: Line 50) (Pellet: N/A) ng six items, labeled 29 a-f, only ap units tested with those units. ADEC ment area. Tests with three or mor ASTM 3053 - low and medium	and ISO inspection to confirm on production models. Refer to Regulatory Basis document section 4.15. M28R/ASTM 2780 Testing deviated from method - invalid test. Refer to Regulatory Basis document sections 3.7, 3.8 and 5.5. Poly to units tested with Broadly Applicable Alternative T has determined the following six elements will be review e items flagged shall not be approved by ADEC. Medium and low load testing did not have air setting sufficient to create medium burn and/or med. low burn rate differential was less than 0.30 kg/hr. Concern	conflicting information, it cannot be assured that unit was tested at the lowest burn rate per the federal regulation. Unit must be retested. Retest decision basis: If log length was not according to the method, test is invalid per federal requirements and must be retested.	Yes - re-test required to renew cert Retest to resolve of the test method prior to
27 28 e followi cepting u	46) (Pellet: Line 42) Fuel Length - Applies only to appliances tested with M28R/ASTM 2780 fuel length piece less than 5/6 longest dimension. (Cordwood: Line 50) (Pellet: N/A) ng six items, labeled 29 a-f, only ap units tested with those units. ADEC ment area. Tests with three or mor ASTM 3053 - low and medium burn rate (Cordwood: Line 36)	and ISO inspection to confirm on production models. Refer to Regulatory Basis document section 4.15. M28R/ASTM 2780 Testing deviated from method - invalid test. Refer to Regulatory Basis document sections 3.7, 3.8 and 5.5. Poly to units tested with Broadly Applicable Alternative T has determined the following six elements will be review e items flagged shall not be approved by ADEC. Medium and low load testing did not have air setting sufficient to create medium burn and/or med. low	conflicting information, it cannot be assured that unit was tested at the lowest burn rate per the federal regulation. Unit must be retested. Retest decision basis: If log length was not according to the method, test is invalid per federal requirements and must be retested.	Yes - re-test required to renew cert Retest to resolve of the test method prior to

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	ASTM 3053 - fuel length piece less	ASTM 3053 may be a non-representative test. Refer to	1	
	than 5/6 longest dimension.	Regulatory Basis document sections 3.7, 3.8, and 5.5.		
	(Cordwood: Line 50) (Pellet: N/A)		ADEC review of these test reports has raised significant concerns about	
29b			it's adequacy to appropriately assess device performance. The lack of	
	ASTM 3053 - fuel loaded in atypical direction (E/W stove	Testing used fuel loading configurations that do not reflect expected consumer loading practices raised	specificity with regarding to the fueling protocols, representativeness of low and medium burn rates, and ability to vary firebox volume. In	
	loaded N/S, mixed, or raised).	concern that this is a non-representative test that	lieu of disapproving the method ADEC will work with EPA regarding its	
20-	(Cordwood: Lines 51, 52) (Pellet:	impacts emission outcomes. Refer to Regulatory Basis	findings. The six items identify concerns about testing representiveness. In the interim, ADEC has identified six areas of	3 or more flags = No
29c	N/A) ASTM 3053 - more than 50% of	document sections 5.6 and 5.7. Testing used fuel where 50% or more of the pieces are	concern within the method and the subsequent test reports. Those	
	the pieces were squared in shape	square. This minimizes emissions and is considered a	test reports that are generally representive may remain on the	
	(Cordwood: Line 53) (Pellet: N/A)	non-representative test per EPA memo that impacts emission outcomes. Refer to Regulatory Basis	Approved List. A non-representative report is one with 3 or more flags within this area of concern. All flags will remain pending an EPA	
29d		document section 5.8.	decision.	
	ASTM 3053 - less than 50% of the pieces had no bark (Cordwood:	Testing used fuel where 50% or more of the pieces didn't have bark. This minimizes emissions and is		
	Line 54) (Pellet: N/A)	considered a non-representative test per EPA memo		
		that impacts emission outcomes. Refer to Regulatory		
29e		Basis document section 5.9.		
	ASTM 3053 - firebox volume	Manufacturers did not use full firebox volume to		
29f	(Cordwood: Line 19) (Pellet: N/A)	calculate fuel volumes. Refer to Regulatory Basis document section 5.10.		
201	Owner's manual (Cordwood: Lines		Flag(s) remain for deficiencies. ADEC can still approve with flags	
	59-74) (Pellet: Lines 49-61)	federal regulation. Refer to Regulatory Basis document		
20		sections 6.1 through 6.16.		No.
30	30-day notice before testing and	Required element of test report per EPA definition and	Actual EPA form and emails must be attached to posted test report.	Yes
	60-day post test submission.	correspondence requirements. Refer to Regulatory	Follows same requirements as posting new data for test report.	
	(Cordwood: Lines 81, 84) (Pellet: Lines 68, 71)	Basis document section 7.6.		
31	Non-consecutive days (Cordwood:	Testing was not conducted on consecutive days. Refer	Flag remains in place, flagged because summary data turned in was	Yes
	Line 83) (Pellet: Line 70)	to Regulatory Basis document section 7.8.	incomplete and if non-consecutive testing was not highlighted and	
			reason not presented. Flag is removed if report updated and posted and ADEC has confirmed posting. Revised report must also be	
			submitted to EPA and ADEC cc'd in order for flag to be removed.	
32				Yes
	Time between lab receipt of stove and certification testing > one	Justification for delay should have been included in narrative. Test report incomplete. Refer to Regulatory	Flag remains in place, flag because summary data turned in was incomplete and if non-consecutive testing was not highlighted and	
	month (Cordwood: Line 80)	Basis document section 7.8.	reason presented. Flag is removed if report updated and posted and	
	(Pellet: Line 67)		ADEC has confirmed posting. Revised report must also be submitted to EPA and ADEC cc'd in order for flag to be removed.	
33				Yes
	Report not publicly available/could not find report.	ADEC unable to find report on a publicly available web page. Submitted links of reports that cannot be	To remove flag and move off of the Disapproved List due to this issue, report must be easily accessed via seach engine.	
		independently verified on a publicly available web page		
34		are also considered as 'not able to find report'.		No
	CO Individual Run (Cordwood:	Individual run CO emissions not reported or missing.	Flag remains. Referred to EPA for an applicability determination	
35	Line 16) (Pellet: Line17)	Must be reported, refer to Regulatory Basis document sections 3.4.		Conditional
35	Medium burn rate must be 50% or		Retest decision basis. If medium burn rate for pellet stove test does not	conditional
		rate. ASTM E2779 method requirement.	meet method requirements, test was not valid under federal	
36	N/A) (Pellet: Lines 31, 32)		regulations.	Conditional
	Pellet fuel analysis not completed.	Ultimate analysis must be completed on pellet fuel.	Flag remains. Referred to EPA for an applicability determination	Voc. so total and the
37	(Cordwood: N/A) (Pellet: Line 47)			Yes - re-test required to renew cert
		Invalid under federal regulation, negative or zero PM	Basis for retest decision: 1) invalid result under federal regulation,	
	for 1-hr filter pull	emissions not possible if wood is burning.	negative or zero PM emissions not possible if wood is burning. Test cannot be valid and therefore a retest is required.	
38				Retest to resolve
	Check that both front and back	ASTM 2515 requires mesurement of both front and	Basis for retest decision: 1) method requires measurement of both	
	filters were used.	back filters together. Front filter measurement does not capture full results. Incomplete test per federal	front and back filters together. Front filter measurement does not capture full results. Incomplete test per federal regulation.	
39		regulation.		Conditional
	Verify that tunnel specs meet federal requirements.	Dilution tunnel specifications must meet requirements in ASTM 2515	Basis for conditional decision: if unit schematic complies with ASTM 2515 requirements, test is valid, flag removed. If unit schematic does	
			not meet ASTM 2515 requirements, invalid test per PM measurement	
40			method under federal regulations. Must retest.	Conditional
	Pre-test leak check reported	ASTM 2515 require pre-test leak check of sample train	Basis for conditional decision: If pretest leak check conducted properly,	
41			flag removed. If pretest leak check not conducted, invalid test per	Yes
41	Leak check after any filter change	ASTM 2515 requires leak check in the sample train after	federal regulations. Must retest. Basis for conditional decision: If post-filter change leak check conducted	100
	reported	any filter is changed	properly, flag removed. If post-filter change not conducted, invalid test	Voc
42	Post leak check reported	ASTM 2515 requires a post-test leak check of sample	per federal regulations. Must retest. Basis for conditional decision: If post-test leak check conducted	Yes
		train	properly, flag removed. If post-test leak check not conducted, invalid	Condition
43			test per federal regulations. Must retest.	Conditional

## Alaska Decision Matrix 2/1/2022

	Proportional sampling maintained during test	Proportional sampling must be maintained per federal requirements	Basis for conditional decision. If proportional sampling out of range, invalid test per federal requirements, retesting required. If proportional sampling issues occurred within allowable tolerances but not reported in run summary, report must be revised. If all sampling proportional, no	Datast to receive
44	Negative probe weight greater	Federal requirements do not allow for a negative probe	flag. Basis for retest: If negative probe weight greater than 5% of filter catch	Retest to resolve
45	than 5% of particulate catch	weight that is greater than 5% of the particulate catch.	(mg) then it is an invalid test per federal regulatory requirements.	Retest to resolve
46	Negative probe weights handled appropriately		Basis for conditional decision: If recalculation revises values above ADEC limits, appliance disapproved. If values are below ADEC emission limits but proper procedures not followed, retest required.	Conditional
	Negative probe weight	Negative probe weight should not be subtracted from filter weight	Basis for conditional decision: If recalculation revises values above ADEC limits, appliance disapproved. If values are below ADEC emission limits and proper procedures followed, flag removed. If proper procedures were not followed or data cannot be provided, there is insufficient data to confirm a valid test has been completed per federal regulations, retest required.	
47	No antina an an airmeireachan dhadh			Retest to resolve
48	Negative room air values handled appropriately		Basis for conditional decision: If negative room values not handled appropriately, test values must be recalculated and report revised. If values above ADEC limits, unit disapproved, units below value - flag removed, improprer procedures that cannot be recalculated require retesting.	Conditional
	Fuel moisture content must be	Method requires all fuel moisture to be between 19.0%	Retest decision basis: If fuel moisture was not according to the method,	
49	between 19.0% and 25.0%	and 25.0%.	test is invalid per federal requirements and must be retested.	Retest to resolve
	More than one log length used	allows for only one nominal fuel length per appliance	Retest decision basis: If log length was not according to the method,	
50			test is invalid per federal requirements and must be retested.	Retest to resolve
50	ASTM3053. Fuel load specific gravity requirements.	Fuel specific gravity not reported or did not meet testing requirements.	Conditional decision basis: If data can be submitted that shows the fuel specific gravity requirements were met, flag can be removed. If the data cannot be submitted, it cannot be verified that the unit was run according to test method and needs to be retested.	Relest to resolve
51			according to test method and needs to be retested.	Conditional
52	ASTM 3053. Filter media reported	Filter media must be teflon coated glass fiber	Conditional decision basis: If data can be submitted that shows the correct filter media was used, flag removed. If the data cannot be submitted, it cannot be verified that the unit was run according to test method and needs to be retested under federal regulations.	Conditional
53	ASTM 3053. Filters weighed in pairs	All filters must be weighed in pairs	Conditional decision basis: If data can be submitted that shows weighing in pairs under method conditions, flag removed. If the data cannot be submitted, it cannot be verified that the unit was run according to test method and needs to be retested under federal regulations.	Conditional
	Documentation must be provided in report for the primary air settings used.	Air setting documentation not provided.	Conditional decision basis: If data can be submitted that shows the appliance was conditioned according to the burn rates specified in the test method, flag removed. If the data cannot be submitted, it cannot be verified that the unit was run according to test method and needs to be retested under federal regulations.	Conditional
54	ASTM E2779. Maximum burn rate criteria must be documented in the test report	Maximum burn rate criteria not reported or contradicts other information such as advertising or owners manual	Retest decision basis. If manufacturer instructions to lab contradict or include instructions not in the owners manual. Appliance must be retested according to owner's manual instructions. Owners' manual instruction changes will not suffice since models have been sold or distributed with older manual and manufacturers cannot provide adequate compliance assurance mechanisms to assure that the older manual will not be used by homeowners.	Retest to resolve
56	ASTM E2779. Test runs averaged correcctly.	Additional test runs were not properly averaged per the testmethod.	Conditional decision basis. Test report values must be recalculated. If values exceed ADEC thresholds, unit disapproved. If values meet ADEC standards, flag removed.	Conditional
57	ASTM E2779. Number of test runs completed	Number of test runs not reported or data missing from runs	Conditional decision basis. Test report values must be recalculated. If values exceed ADEC thresholds, unit disapproved. If values meet ADEC standards, flag removed.	Conditional
58	ASTM E2779. Pre-ignition data.	Pre-ignition data must be included in report.	Submit Pre-ignition data.	Yes
	Certification expired without retest	Certification expired and sufficient deficiencies remain such that a retest is required in order to renew certification.	If a test report is on the approved list pending milestone data or is on the approved list wth deficiencies flagged that require a retest prior to renewal, when the 5 year EPA certification expires the test report will be moved to the no determination list until a new report accompanied by an EPA certification is reviewed and approved by the State of Alaska.	
59				Retest to resolve