

Pellet Stoves Meeting Emission Standards for the Fairbanks North Star Borough PM2.5 Nonattainment Area

These standards only apply to **NEW** heating devices being **sold or installed** in the FNSB PM2.5 Nonattainment Area. Only **NEW** pellet stoves that appear on this list and meet the emission standards may be sold or installed inside the nonattainment area. For pellet stoves currently installed at a location, please refer to the following link to see if they need to be removed or if they may stay during a real estate transaction: <http://dec.alaska.gov/air/anpms/communities/fbks-pm2-5-real-estate/#lists>.

If a wood-fired pellet heating device <350,000 Btu/hr meets the emission standards in 18 AAC 50.077 but does not appear on this list, contact DEC staff for guidance. In addition, if it appears a device has been listed incorrectly, contact Cory McDonald by phone (907) 451-5172 or by email cory.mcdonald@alaska.gov.

DEC develops these lists by reviewing devices that have received EPA certification and where DEC has received a request by their manufacturer to review the underlying certification test report. DEC applies the standards found in 18 AAC 50.077.

DEC Standards (INSIDE FNSB PM2.5 NONATTAINMENT AREA ONLY) – 18 AAC 50.077		
Wood-Fired Heating Device Type	Particulate Matter Emission Standard	Effective Date
Woodstoves & Pellet Stoves <350,000 Btu/hr	EPA Certification <u>AND</u> 2.0 g/hr particulate matter annual average emission level	1/8/2020
	<u>AND</u> <u>Not exceed 6.0 grams per hour on any valid 1-hr filter pull from the device's certification test</u> <u>AND</u> <u>DEC acceptance of underlying certification test results</u>	9/1/2020

More [information and a map of the FNSB PM2.5 Nonattainment Area](#) is available online

Summary of Changes:

Change Type	Manufacturer	Models	Reason for Change
Addition	Travis Industries, Inc	Deerfield II	New Review
Removal	Travis Industries, Inc	Deerfield	Out of Production

As of February 1, 2021, all devices have been removed if DEC has not accepted or has insufficient data to make a determination based on review of the underlying certification test results as required under 18 AAC 50.077(c)(2). This is in addition to the removal of devices that do not meet the DEC standards summarized in the table above.



Highlighted devices (**in yellow**) are those devices that are due to be removed ≤ 6 months from now at the expiration of their milestone date (see transition list for more detail) if their report issues are not resolved by that time.

18 AAC 50.077(C)(3)(ii) states that alternative test methods (ATM), including broadly applicable test methods may be used in meeting the state standards if approved by both EPA and DEC. DEC continues to allow devices on the approved list that have been tested with alternative methods unless the device's certification test report review indicates report issues. At this time ATMs may continue to be used until such time as either EPA or DEC formally disapproves their use.

Approved Device List			
Manufacturer Name	Model Name	Annual Avg Emission Rate (grams/hr)	Heat Output (BTU/hr)
Dielle SpA	Grecale, Grecale Glass, Round, Round Glass, Ethesia, Ethesia Glass	1	13655-35644
Dielle SpA	FBX S, FBX S+, FBX T, FBX R, FBX BUMP, ZEFIRO	1.9	16320-29464
Enerco Group, Inc.	PS130W	1.6	13535-34129
Enerco Group, Inc.	PS60W	0.99	9265-26865
Hearth and Home Technologies	Harman Absolute 43-C	0.99	14141-44183
Hearth and Home Technologies	Harman P61-C	1.5	17085-46831
Hearth and Home Technologies	Harman P68-C	1.4	15756-52664
Hearth and Home Technologies	Pel-Pro PP60-B, Pleasant Hearth PH35PS-B, and Outfitter-I	0.74	6815-26020
Hearth and Home Technologies	PelPro PP130-B, PP 150, and Outfitter-II	0.53	9605-40637
Hearth and Home Technologies	PelPro PP70	0.5	9603-35278
Hearth and Home Technologies	QuSanta Fe-C, Santa Fe I-C, Castile-C, Castile I-C	1.1	5831-22440
Hearth and Home Technologies	Quadra Fire Mount Vernon E2-C, Quadra Fire Mount Vernon E2-C Insert, Trekker, Trekker Insert	0.7	12682-39428
Hearth and Home Technologies	Quadra-Fire Classic Bay 1200-C	1	11074-30851



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Manufacturer Name	Model Name	Annual Avg Emission Rate (grams/hr)	Heat Output (BTU/hr)
Travis Industries, Inc	AGP Insert	0.98	8320-33686
Travis Industries, Inc	Deerfield II	1.5	15666-37118
United States Stove Company	4840, KP500, and AP5000	1.4	7164-12161
United States Stove Company	6041, 6041I, and SP6000	1.3	7540-21811
United States Stove Company	5660E, AP5660, AP5660L, AP5660PE and DNMP566	1.9	11155-24361
United States Stove Company	5770, 5770i, VG5770, VG5770i, AP5770, AP5770i, DNMP577, DNMP577(i), 5790, VG5790, AP5790, and DNMP579	0.85	9218-18619
United States Stove Company	Breckwell SP2047, GW7400	0.41	16030-33684
United States Stove Company	SP1000	1.5	5813-31935
United States Stove Company	SP22(i), SP23(i), SP24(i), SP2000(i), AP2000(i), SP2700, SP4000, SPC4000, APC4000 and 5040(i)	0.49	4814-32788
Sherwood Industries, Ltd.	Enviro Mini 2, Enviro P3-2 Regency Greenfire GF40-2	0.54	6881-23892
Independent Stove LLC	GAP 2020	0.84	8026-23002

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