

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 beginning **January 8, 2020**. Only **NEW** pellet stoves that appear on this list and meet the emission standards may be sold or installed inside the nonattainment area beginning January 8, 2020. 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 Steven Hoke by phone (907) 451-5172 or by email steven.hoke@alaska.gov.

DEC develops these lists by downloading from EPA all the devices that have EPA certification and applying 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

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

Red-highlighted devices will be removed from the Approved Device List on September 1, 2020 to meet 18 AAC 50.077(c)(3)(ii). This requirement states that no valid test run measurement, from the device's certification report, may exceed 6.0 grams per hour. Device reports that exceed this number, have not reported a value, or have reported the value in incorrect units, or where the certification report cannot be found, are highlighted.



Approved Device List			
Manufacturer Name	Model Name	Annual Avg Emission Rate	Heat Output (BTU/hr)
509 Fabrications, Inc.	509-1 Optimum	1.5	32183-19573
American Energy Systems, Inc. (AES)	3500P, 35001, and 3502	1	20607-4917
American Energy Systems, Inc. (AES)	Baby Country Side	1	25519-10330
American Energy Systems, Inc. (AES)	Little Rascal	1.1	24028-10247
APR Industries Ltd.	BayWin Free Standing and Insert	0.56	27818-7441
APR Industries Ltd.	Kozi 100 Free Standing and Insert and KSH 120	0.61	30596-8420
APR Industries Ltd.	Previa	1	27113-8077
ARDISAM, Inc.	Serenity Castle	1.1	22266-9831
Enerco Group, Inc.	PS130W	1.6	34129-13535
Enerco Group, Inc.	PS20W (MINI 2 PCS)	0.77	21064-9072
Enerco Group, Inc.	PS60W	0.99	26865-9265
Enerco Group, Inc.	PSBF66W	1.2	40259-7420
England's Stove Works, Inc.	25-PDVC, 25-PDVCH, 55-SHP10, 55-SHP10L, and 55-TRP10	1.4	26179-11220
England's Stove Works, Inc.	25-CBPAH, 55-SHPCBPAH, and 55-TRPCBPAH	0.76	21807-11093
England's Stove Works, Inc.	25-SSP01, 25-SSP01S, 55-SHSSP01, 55-SHSSP01S, 55-TRSSP01, and 55-TRSSP01S	0.56	36144-15997
England's Stove Works, Inc.	25-CAB80, 55-SHPCAB80, 55-TRPCAB80, 55-SHPCAB80S, 55-RPCAB80S	1.13	20959-11641
England's Stove Works, Inc.	55-SHPCB120, 55-TRPCB120, and 25-CB120	1.4	23466-11993
England's Stove Works, Inc.	55-SHPCBEP, 55-TRPCBEP, and 25-CBEP	1	15318-7918



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Manufacturer Name	Model Name	Annual Avg Emission Rate	Heat Output (BTU/hr)
Even Temp, Inc.	Ashby-P	1	31713-5682
Even Temp, Inc.	Eclipse-P	1.6	35989-13723
Even Temp, Inc.	Element-P	0.66	25380-6956
Even Temp, Inc.	Hastings	1.1	27455-7232
Even Temp, Inc.	Prescott EXP and Prescott EXL	0.53	30089-6293
Extraflame S. P. A.	V3.4	1.1	28441-10243
Extraflame S. P. A.	V4.5	0.93	37218-12606
Extraflame S. P. A.	V5.2	0.59	44978-15940
Fireplace Products International Limited	Enviro – Meridian-1, Meridian FPI, Meridian Cast Iron and Regency Greenfire – GF55, GFI55	0.89	23765-8894
Gruppo Piazzetta S.P.A.	Monia 2.0, Marcella 2.0, Maya 2.0, Monica 2.0	0.82	30574-10479
Gruppo Piazzetta S.P.A.	Sabrina 2.0, Sally 2.0, Solange 2.0, Sveva 2.0	1.15	37238-12096
Gruppo Piazzetta S.P.A.	LIA, LISA	0.7	31927-8996
Hearth and Home Technologies	ECO Choice PS35-C	1	29680-8649
Hearth and Home Technologies	PH50PS-B, PH50CABPS-B	1.2	34132-6871
Hearth and Home Technologies	P35i-C	1.5	30614-10546
Hearth and Home Technologies	ECO CAB50-C and ECO PS50-C	1	36591-7488
Hearth and Home Technologies	Harman Absolute 43-C	0.99	44183-14141
Hearth and Home Technologies	Harman Absolute 63	1.4	46399-10164



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Manufacturer Name	Model Name	Annual Avg Emission Rate	Heat Output (BTU/hr)
Hearth and Home Technologies	Harman Accentra 52i-TC	1.1	50262-11186
Hearth and Home Technologies	Harman Accentra-2	0.62	25210-6253
Hearth and Home Technologies	Harman Allure 50	1.5	39105-9001
Hearth and Home Technologies	Harman P43-C	0.95	30879-16606
Hearth and Home Technologies	Harman P61-C	1.5	46831-17085
Hearth and Home Technologies	Harman P68-C	1.4	52664-15756
Hearth and Home Technologies	Harman XXV-TC	1.7	35283-7096
Hearth and Home Technologies	Pel-Pro PP60-B and Pleasant Hearth PH35PS-B	0.74	26020-6815
Hearth and Home Technologies	PelPro PP130-B	0.53	40637-9605
Hearth and Home Technologies	PelPro PP70	0.5	35278-9603
Hearth and Home Technologies	PelPro PPC90, PelPro TSC90, and Pleasant Hearth PHC90	1.1	47378-11055
Hearth and Home Technologies	QuSanta Fe-C, Santa Fe I-C, Castile-C, Castile I-C	1.1	22440-5831
Hearth and Home Technologies	Quadra Fire Mount Vernon E2-C, Quadra Fire Mount Vernon E2-C Insert, Trekker, Trekker Insert	0.7	39428-12682
Hearth and Home Technologies	Quadra-Fire Classic Bay 1200-C	1	30851-11074
Hearth and Home Technologies	Quadra-fire Classic Bay 1200I-C	0.78	33925-10182
Heat Tech Industries, LLC.	HTP 26 Bay, HTP26 Bay Pedestal/Insert	0.54	22999-8637
Heat Tech Industries, LLC.	HTP 26 Standard, HTP 26 Standard Pedestal/Insert	0.77	16701-7038
Laminox	Jessica 11 Air and Veronica 11 Air	1.6	21400-7900



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Manufacturer Name	Model Name	Annual Avg Emission Rate	Heat Output (BTU/hr)
Laminox	Jessica Natural and Veronica Natural	1.2	17096-5350
LMF Manufacturing Ltd.	America's Heat B-100	1.7	18773-9098
Pacific Energy Fireplace Products Limited	True North 40 insert	0.69	25617-6033
Pacific Energy Fireplace Products Limited	True North TN40	1.4	27949-6672
Paromax International LLC	Rafael 55a, Europa 75a	0.22	26029-7887
Ravelli SRL	Francesca 2015, Monica 2015, RV 80 Ceramica	0.6	34000-13400
Ravelli SRL	RV100 Classic	0.7	34500-10750
Ravelli SRL	RV120 Touch, Atena V, and Vitoria V	0.62	37800-12900
Ravelli SRL	Roma (034-00-001A)	0.74	31500-10300
Sherwood Industries, Ltd.	EF2-1, Chatham-1, Davenport-1, and Kinderhook-1	1.4	32134-8852
Sherwood Industries, Ltd.	Enviro – Mini, P3 and Regency Greenfire – GF40	0.48	19996-6447
Sherwood Industries, Ltd.	Enviro - M55 FS, M55C-FPI and Regency Greenfire – GC60, GCI60	1.8	23542-4383
Sherwood Industries, Ltd.	"Enviro – Maxx-1	1.9	50627-12190
Sherwood Industries, Ltd.	Enviro – Meridian-1, Meridian FPI, Meridian Cast Iron and Regency Greenfire – GF55, GFI55	0.89	23765-8894
Sierra Products, Inc.	EasyFire Pellet Stove, EF3801, EF5001, EF4001	0.82	17732-7943
SMG Hearth and Home, LLC	ComfortBilt HP22N, HP22, and HP22i Insert	1.9	36449-14503
SMG Hearth and Home, LLC	HP 21	1.3	33458-14820



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SMG Hearth and Home, LLC	HP 61	1.2	42246-21425
Stove Builder International, Inc.	Osburn 2500, 55 Series Eco-55 and Eco-55 ST	0.96	28540-6648
Thelin Company Inc. (Cardon Products)	Thelin Gnome	1.2	8947-4361
Thelin Company Inc. (Cardon Products)	Thelin Parlour 3000	0.43	15844-9045
Thermorossi s.p.a	PAIR11, PAIR11PLUS	0.76	36848-17608
Thermorossi s.p.a	Slimquadro 11	1.6	36548-18586
Thermorossi s.p.a	Slimquadro 9	0.7	32691-11356
Travis Industries, Inc	AGP Insert	0.98	33686-8320
Travis Industries, Inc	AGP PS	1.8	34738-8959
Travis Industries, Inc	Deerfield	0.79	37391-10652
Travis Industries, Inc	Fox Fire	0.89	38263-10443
United States Stove Company	4840, KP500, and AP5000	1.4	12161-7164
United States Stove Company	5520	1.5	37379-8506
United States Stove Company	6041, 6041I, and SP6000	1.3	21811-7540
United States Stove Company	GW1949, AP77, SW1117	0.94	38544-9762
United States Stove Company	5660E, AP5660, AP5660L, AP5660PE and DNMP566	1.9	24361-11155
United States Stove Company	5710, AP5710, VG5710, 5501S, AP5501S, VG5501S	1	27492-13281



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Manufacturer Name	Model Name	Annual Avg Emission Rate	Heat Output (BTU/hr)
United States Stove Company	5770, 5770i, VG5770, VG5770i, AP5770, AP5770i, DNMP577, DNMP577(i), 5790, VG5790, AP5790, and DNMP579	0.85	18619-9218
United States Stove Company	5780, AP5780, VG5780, SP5780, and SP58	1.3	26386-12293
United States Stove Company	Breckwell SP2047, GW7400	0.41	33684-16030
United States Stove Company	KP130, AP130, VG130, 5502M, 5500, 5500M, and 5500XL	1.3	25701-8932
United States Stove Company	King KP60, Ashley AP60, Vogelzang VG60	1.5	20700-8476
United States Stove Company	SP1000	1.5	31935-5813
United States Stove Company	SP22(i), SP23(i), SP24(i), SP2000(i), AP2000(i), SP2700, SP4000, SPC4000, APC4000 and 5040(i)	0.49	32788-4814

Source: <https://cfpub.epa.gov/oarweb/woodstove/index.cfm?fuseaction=app.about> (accessed August 20, 2020)

The following devices are awaiting ADEC review before being approved for addition to this list.

Devices Pending Approval	
Manufacturer	Models

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