

Woodstoves 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** woodstoves that appear on this list and meet the emission standards may be sold or installed inside the nonattainment area beginning January 8, 2020. For woodstoves 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 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
Added	United States Stove Company	US1269e	Relisted following manufacturer contact

As of September 1, 2020, all devices not meeting ADEC regulatory requirements have been removed from the Approved Device List 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, have reported the value in incorrect units, or where the certification report cannot be found, have been removed from the list.



Approved Device List			
Manufacturer Name	Model Name	Annual Avg Emission Rate (grams/hr)	Heat Output (BTU/hr)
ARADA STOVES Ltd.	Farrington 16	1.5	27025-8928
ARADA STOVES Ltd.	Farrington 12	1.8	40422-12593
Blaze King Industries, Inc.	King KE40	1.1	34985-11690
Blaze King Industries, Inc.	Ashford AF20.2, Chinook CK20.2, and Sirocco SC20.2	0.73	29785-8900
Blaze King Industries, Inc.	Princess PE32	0.4	31478-10200
Blaze King Industries, Inc.	Sirocco SC25, Ashford AF25, Boxer 24 (BX24)	0.9	26290-10097
EcoVision Ltd.	Kiwi VcV 2.1	1.3	28800-12800
Energy Distribution	Invicta Group: Kazan, Kazan GA, Kiara, and Kiara GA	1.8	23830-23070
Fireplace Products International Limited	F1150, I1150	1.7	39101-12777
FPI/Regency Fireplace Products	F1500 and I1500	1	20386-14244
FPI/Regency Fireplace Products	F2500	1	50349-16746
FPI/Regency Fireplace Products	F3500	0.9	36174-10704
FPI/Regency Fireplace Products	I2450M and HI2450M	1.4	34612-14169
FPI/Regency Fireplace Products	I2500	1	42995-17178
Hearth and Home Technologies	Vermont Castings Defiant 1975-CAT-C	1.3	25471-11974
Hearth and Home Technologies	21M-ACC-C, Discovery-1-	1.7	29322-13585
Hearth and Home Technologies	Quadra Fire 43M-ACC-C, 43ST-ACC-C, Discovery-III-C	1.6	36757-13239
Hearth and Home Technologies	Intrepid FlexBurn 2115-CAT	0.3	15906-10665



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Hearth and Home Technologies	Quadra Fire Expedition II and Vermont Castings Montpelier II	1.8	26785-24689
Hearth and Home Technologies	QuadraFire 31M-ACC-C and QuadraFire Discovery-II-C	1.9	29078-13951
Hearthstone Quality Home Heating Products Inc.	Castleton 8031	0.7	24292-13781
Hearthstone Quality Home Heating Products Inc.	Green Mountain 40 (8640), Craftsbury 2 (8392)	1.1	31581-13876
Hearthstone Quality Home Heating Products Inc.	Green Mountain 60 8660	0.6	33576-12608
Hearthstone Quality Home Heating Products Inc.	Green Mountain 80 8680	0.67	33396-15069
Hearthstone Quality Home Heating Products Inc.	Heritage 8024	0.54	35845-12317
Hearthstone Quality Home Heating Products Inc.	Manchester 8362	0.65	33038-14111
Hussong Manufacturing Company, Inc.	Kozy Heat Z42	1.2	36231-12850
Innovative Hearth Products	S210AGL, C210TGL, C210AGL, T2100GL, and WSX2021WS-B	1.5	37857-11817
Innovative Hearth Products	Montecito-B, Bainbridge (LVC FAR), WCT6920, WCT4920, WRT4920	1.9	55597-15277
Jotul North America (Jotul U.S.A., Inc.)	F45V2	1.8	58657-16748
Jotul North America (Jotul U.S.A., Inc.)	F 55 V2	1.3	84311-18962
Jotul North America (Jotul U.S.A., Inc.)	F 500 V3	0.5	38804-14001
Kuma Stove And Iron Works	K-250 Series Ashwood LE, Wood Classic LE, Cambridge LE, and Cascade LE	1.1	30308-11196
MF Fire	Catalyst	1.9	28675-27220



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MF Fire	NOVA	1.9	25224-19959
Morso Jernstoberi A/S	7110 B	1.1	36554-16457
Morso Jernstoberi A/S	6140 B, 6143 B, 6148 B, and 6170 B	0.67	38107-15043
Morso Jernstoberi A/S	1410B, 1440B, and 1450B	1.8	24733-13250
New Buck Corporation (Buck Stove Corp.)	21NC	1.7	28901-11079
Pacific Energy Fireplace Products Limited	FP25LE, FP25AR LE	1.4	51530-11005
Pacific Energy Fireplace Products Limited	Summit LE, Summit Classic LE, Alderlea T6 LE, and Summit Insert LE	1.8	41275-16102
Pacific Energy Fireplace Products Limited	True North TN10	1.4	17623-13084
Pacific Energy Fireplace Products Limited	Vista LE, Vista Classic LE, NEO 1.6 LE, Neostone 1.6 LE, Alderlea T4 LE (Freestanding), NEO 1.6 LE	1.9	23186-13494
RSF / Industrial Chimney Company, Incorporated	Delta Fusion	1.3	34057-33721
RSF / Industrial Chimney Company, Incorporated	Focus 320 SBR and Onyx SBR	1.4	22563-21131
RSF / Industrial Chimney Company, Incorporated	OPEL PLUS Series: Opel+ 2C, Open+ 3C, Opel+ 4C, Opel+ Keystone	0.7	27034-11723
Spartherm	Spartherm M 700 Insert, Spartherm M 700 ZC, Spartherm M 700 Module	1.1	29452-13129
Spartherm	Spartherm S 600 Insert, Spartherm S 600 ZC, Spartherm S 600 Module	1.7	47417-10613
Stove Builder International, Inc.	3.3 Series Osburn 3300, Austral III, Myriad III,	0.95	57041-15841



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	Legend III, Escape 1900, Black Stag II, Solution 3.3, Gateway 3300		
Stove Builder International, Inc.	Everest II Series HE300 II, HE325, Everest II, St. Clair 3000	0.99	49654- 18057
Stove Builder International, Inc.	1.7 Series - Archway 1700, Gateway 1700, Columbia II, Savannah II, Deco II, HEI170, HES170, FW2800	1.3	23300- 15650
Stove Builder International, Inc.	1.7 Series - Blackcomb II, Harmony 1.7, Solution 1.7, Osburn 1700, Inspire 1700, Escape 1500, Escape 1500-I, Solution 1.7-I, Destination 1.7-I, Osburn 1700-I, Matrix 1700-I, Inspire 1700-I	1.3	23300- 15650
Stove Builder International, Inc.	2.5 Series, Solution 2.5 ZC II, Stratford II, FP10 Lafayette II, FP12 Mundo II, Monaco II, HE250R, Destination 2.7, and Matrix 2700	1.1	48185- 14222
STUV AMERICA Inc.	STUV 1668IN, STUV 1668 CUBE, STUV 1668H, STUV 1668-Z	1.9	24818- 20480
STUV AMERICA Inc.	30 Compact, 30 Compact-H, 30 Compact-one	1.8	17049- 12550
STUV AMERICA Inc.	STUV 1658IN, STUV 1658CUBE, STUV 1658H, STUV 1658-Z	1.5	27015- 22432
Thelin Company Inc. (Cardon Products)	Thelin Parlour T-4000	1.8	30945- 13312
Travis Industries, Inc	ANSWER	2	59527- 12129



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United States Stove Company	US2500E, AW2520E, VG2520, CH25, NM1190, SW2.5, and AHWS2520	0.88	60065- 20374
United States Stove Company	TR007E, US3200E VG3200, AW3200E	1.3	67992- 19778
United States Stove Company	US1100E, VG1120, AW1120E, CH11, NM680, SW1.2, and AHWS1120	1.7	40594- 15196
United States Stove Company	US2000E, VG2020, AW2020E, CH20, NM890, SW2.0, and AHWS2020	1	63196- 15261
US1269E	US1269E	1.8	26300- 29234
Vermont Castings	Vermont Castings Encore 2040-CAT-C	1.1	37102- 12879
Woodstock Soapstone Company, Inc.	205 Fireview Catalytic	1.1	46460- 7606
Woodstock Soapstone Company, Inc.	202 Palladian, 204 Keystone	0.85	46437- 9989
Woodstock Soapstone Company, Inc.	212N Navajo Hybrid Wood/Coal, 212S Survival Hybrid Wood/Coal	1	27294- 15332

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