

## 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](mailto: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.

<b>DEC Standards (INSIDE FNSB PM2.5 NONATTAINMENT AREA ONLY) – 18 AAC 50.077</b>		
<b>Wood-Fired Heating Device Type</b>	<b>Particulate Matter Emission Standard</b>	<b>Effective Date</b>
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:

<b>Change Type</b>	<b>Manufacturer</b>	<b>Models</b>	<b>Reason for Change</b>
Added to Pending	Woodstock Soapstone Company, Inc.	209a Progress Hybrid	New to EPA List
Added to Pending	Morso Jernstoberi A/S	2B Standard 2020	New to EPA List
Added to Pending	United States Stove Company	US2941EB, VG4020, AW40, AW40E	New to EPA List
Added to Pending	New Buck Corporation (Buck Stove Corp.)	Model 81	New to EPA List



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, 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 (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.	Ashford AF30.2, Chinook CK30.2, and Sirocco SC30.2	0.8	27116-11553
Blaze King Industries, Inc.	Princess PE32	0.4	31478-10200
Blaze King Industries, Inc.	Princess PI29 Insert	1.3	24348-9694
Blaze King Industries, Inc.	Sirocco SC25, Ashford AF25, Boxer 24 (BX24)	0.9	26290-10097
Dovre Incorporated	Norflam Harbor Light, Sierra Flame Lynwood W76, SBI Cape Town 1800	1.8	52506-13784
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
England's Stove Works, Inc.	15-SSW01, 50-SHSSW01, 50-TRSSW01	1.9	27546-12617
England's Stove Works, Inc.	15-W06, 50-SHW06, 50-SHW06L, 50TRW06, 15-W08, 50-SHW08, 50-SHW08L, 50TRW08		England's Stove Works, Inc.



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England's Stove Works, Inc.	32-NC, 50-SNC32, 50-TNC32	2	39623-16038
Fireplace Products International Limited	F1150, I1150	1.7	39101-12777
Foyers Supreme, Inc	Ambiance Elegance 36 24SF	1.8	25944-10125
Foyers Supreme, Inc	Astra 18, Elegance 30, Novo 18 – Soapstone, and Novo 18 – Cast Iron	2	18805-9756
Foyers Supreme, Inc	Astra 24 24SFC	1.9	23872-12237
Foyers Supreme, Inc	Astra 32 and Elegance 40	1.5	29274-12430
Foyers Supreme, Inc	Astra 38, Elegance 42, Novo 38 – Soapstone, Novo 38 Cast Iron	1.8	26354-11704
Foyers Supreme, Inc	Fusion 18 18FN	1.9	22421-10958
FPI/Regency Fireplace Products	CI2700 and HI500	1.3	29511-8292
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	F5200	0.9	47081-16648
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



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Hearth and Home Technologies	Quadra Fire 43M-ACC-C, 43ST-ACC-C, Discovery-III-C	1.6	36757-13239
Hearth and Home Technologies	Vermont Castings Dauntless FlexBurn Model	1.1	49428-12252
Hearth and Home Technologies	Vermont Castings Dauntless Flexburn Catalytic Model	1.2	41943-14518
Hearth and Home Technologies	Intrepid FlexBurn 2115	0.6	18502-12480
Hearth and Home Technologies	Intrepid FlexBurn 2115-CAT	0.3	15906-10665
Hearth and Home Technologies	Quadra Fire 57ST-ACC-C	1.8	38284-12772
Hearth and Home Technologies	Quadra Fire Expedition II and Vermont Castings Montpelier II	1.8	26785-24689
Hearth and Home Technologies	Quadra-Fire Pioneer - III	2	72724-14657
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
Hearthstone Quality Home Heating Products Inc.	WFP100	1.6	43000-16600
Hussong Manufacturing Company, Inc.	Kozy Heat Z42	1.2	36231-12850



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Innovative Hearth Products	GV230GL and ML230GL	1.7	33911-12631
Innovative Hearth Products	S210AGL, C210TGL, C210AGL, T2100GL, and WSX2021WS-B	1.5	37857-11817
Innovative Hearth Products	Montecito-B, Bainbridge (LVCFAR), WCT6920, WCT4920, WRT4920	1.9	55597-15277
Innovative Hearth Products	GV300GL and ML300GL	1.8	39232-13693
Innovative Hearth Products	Ladera CAT WRT3920WS	1.8	22847-12934
Innovative Hearth Products	Montecito Estate CAT and WCT6940WS	1.3	39519-13899
J. A. Roby Inc.	Cook, Cicero, Chief, Cuistot, Elda, and Marmiton	1.9	21782-9806
J. A. Roby Inc.	Polaris, Centauri, Vega, Sirius, Antares and Rigel	1.4	20841-11759
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-180 Series Aspen LE, Tamarack LE, Aberdeen LE, and Alpine LE	0.72	32121-10614
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
MF Fire	NOVA	1.9	25224-19959
Morso Jernstoberi A/S	7110 B	1.1	36554-16457



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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
Morso Jernstoberi A/S	3112B/3142B	1.9	28000-9199
New Buck Corporation (Buck Stove Corp.)	21NC	1.7	28901-11079
New Buck Corporation (Buck Stove Corp.)	Model 74	1.8	52400-13300
New Buck Corporation (Buck Stove Corp.)	Model 91	1.9	62745-10367
Pacific Energy Fireplace Products Limited	FP25LE, FP25AR LE	1.4	51530-11005
Pacific Energy Fireplace Products Limited	NEO 2.5 LE, NEO 2.5 Insert LE, NEOSTONE 2.5 LE	2	59861-15845
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	Super Insert LE, Alderlea T5 Insert LE, Super LE, Super Classic LE, Alderlea T5 LE	1.8	38177-12518
Pacific Energy Fireplace Products Limited	True North TN10	1.4	17623-13084
Pacific Energy Fireplace Products Limited	True North TN20 and TN Insert Series B	1.6	29208-13931
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
Rais A/S	Q-Tee II Steel, Q-Tee II Glass, and Q-Tee II C	0.9	30772-11354
Rais A/S	Viva 100 L (CA) USA, Viva 100 L G (CA) USA, Viva 100 L Classic (CA) USA, Viva 100 L G Classic (CA) USA, Viva	1.1	22857-9150



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Manufacturer Name	Model Name	Annual Avg Emission Rate (grams/hr)	Heat Output (BTU/hr)
	120 L (CA) USA, Viva 120 L G (CA) USA, Viva 120 L Classic (CA) USA, Viva 120 L G Classic (CA) USA, Viva 160 L (CA) USA, Viva 160 L		
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, Legend III, Escape 1900, Black Stag II, Solution 3.3, Gateway 3300	0.95	57041-15841
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	1.3	23300-15650





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	1.7-I, Osburn 1700-I, Matrix 1700-I, Inspire 1700-I		
Stove Builder International, Inc.	2.3 Series Archway 2300, FW2900, FW2900-SD, Gateway 2300, and Green Mountain Insert 70 Insert	1.5	26800-14800
Stove Builder International, Inc.	2.3 Series Escape 1800, Escape 1800-I Insert, 2000 Stove, 2000-I Insert, Harmony 2.3 Stove, Solution 2.3 Stove, Solution 2.3-I Insert, XTD 1.9 Stove, XTD 1.9-I Insert, CW2900 Insert, Destination 2.3-I Insert, HEI 240 Insert, HEI 240R Insert	1.5	26800-14800
Stove Builder International, Inc.	HE250R, Destination 2.7, and Matrix 2700	1.1	48185-14222
Stove Builder International, Inc.	3.5 Series - Solution 3.5, Escape 2100, HT-3000, Osburn 3500, Gateway 3500	1.3	49500-18100
Stove Builder International, Inc.	HE350, FP-15-Waterloo, Horizon, and Monaco XL, WFP100	1.6	43000-16600
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	Large Flush Wood Insert	1.7	66736-17900





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Travis Industries, Inc	36 Elite	1.3	69747-17380
Travis Industries, Inc	42 Apex	0.93	49626-13537
Travis Industries, Inc	44 Elite	1.8	78046-12947
Travis Industries, Inc	ANSWER	2	59527-12129
Travis Industries, Inc	Endeavor	1.4	67090-15435
Travis Industries, Inc	Evergreen	1.5	70720-12772
Travis Industries, Inc	Large Flush Wood Hybrid Fyre Insert	1.9	57628-10710
Travis Industries, Inc	Lopi Cape Cod Hybrid-Fyre	1.9	62623-11322
Travis Industries, Inc	Lopi Rockport Hybrid-Fyre	1.7	55466-13760
Travis Industries, Inc	"Medium Flush Wood Hybrid Fyre Insert	1.7	69982-14483
Travis Industries, Inc	Rockport Hybrid-Fyre	0.8	39259-15583
United States Stove Company	US2500E, AW2520E, VG2520, CH25, NM1190, SW2.5, and AHWS2520	0.88	60065-20374
United States Stove Company	US1269E	1.8	29234-26300
United States Stove Company	US1800E, VG1820, AW1820E, CH18, NM690, SW1.8, AHWS1820	1.8	33050-9487
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



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United States Stove Company	US2000E, VG2020, AW2020E, CH20, NM890, SW2.0, and AHWS2020	1	63196-15261
Vermont Castings	Aspen C3	2	20086-17439
Vermont Castings	Vermont Castings Encore 2040-CAT-C	1.1	37102-12879
Wolf Steel Ltd.	"Timberwolf 2100, Napoleon S15	1.6	30042-14582
Wolf Steel Ltd.	Napoleon EPI3C, Napoleon EPI3T, Napoleon EPI3TN	1.2	47887-14492
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
Woodstock Soapstone Company, Inc.	Absolute Steel Hybrid 211	0.5	45317-14426

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
Hase Kaminofenbau (Hearthstone Quality Home Products Inc.)	Bari, Bari Plus 8171 Hybrid
SMG Hearth and Home, LLC	ComfortBilt HP54
SMG Hearth and Home, LLC	ComfortBilt HP55
Woodstock Soapstone Company, Inc.	209a Progress Hybrid
Morso Jernstoberi A/S	2B Standard 2020
United States Stove Company	US2941EB, VG4020, AW40, AW40E
New Buck Corporation (Buck Stove Corp.)	Model 81



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