

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

These standards only apply to heating devices being **sold or installed** in the FNSB PM2.5 Nonattainment Area beginning **August 31, 2015**. Only woodstoves that appear on this list and meet the emission standards may be sold or installed inside the nonattainment area beginning August 31, 2015.

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> 2.5 g/hr particulate matter annual average emission level	<u>OR</u> Maximum 2.5 g/hr particulate matter annual average emission level	08/31/15

More information and a map of the FNSB PM2.5 Nonattainment area is available online at:
<http://burnwise.alaska.gov/requirements>

Manufacturer Name	Model Name	Annual Avg Emission Rate (grams/hr)	Heat Output (BTU/hr)
American Road Equipment Company	Erik SW II Catalytic Environmentalist SSW-1000	1.2	9,800 - 46,900
Appalachian Stove & Fabricators, Inc.	32-BW	2.5	10,400 - 24,500
Blaze King Industries, Inc.	Chinook / Sirocco / Ashford 20	1.3	11,400 - 22,700
Blaze King Industries, Inc.	Ashford 20.1, Chinook 20.1, Sirocco 20.1	1.3	8,822 - 27,550
Blaze King Industries, Inc.	Blaze King King Catalytic KEJ 1107	1.8	9,100 - 39,800
Blaze King Industries, Inc.	King Catalytic KEJ-1101	1.9	9,000 - 35,300
Blaze King Industries, Inc.	Princess Insert PI 1010A	2	7,200 - 29,500
Blaze King Industries, Inc.	Heat Pro C210	2.1	10,700 - 43,300
Blaze King Industries, Inc.	Princess 35 PE35	2.1	9,200 - 29,600
Blaze King Industries, Inc.	Blaze King King Catalytic KEI-1300	2.2	10,100 - 34,500



Manufacturer Name	Model Name	Annual Avg Emission Rate (grams/hr)	Heat Output (BTU/hr)
Blaze King Industries, Inc.	PEJ1003	2.4	10,300 - 41,600
Blaze King Industries, Inc.	Princess PEJ 1006	2.4	12,000 - 35,600
Blaze King Industries, Inc.	Blaze King Royal Heir RHT-2200, 2250, RHT-2100	2.5	7,700 - 31,100
CFM Corporation (Vermont Castings, Inc.)	Defiant Encore	0.6	6,200 - 32,900
CFM Corporation (Vermont Castings, Inc.)	Encore 1450 N/C	0.7	10,600 - 24,000
CFM Corporation (Vermont Castings, Inc.)	2370	1	5,700 - 18,300
CFM Corporation (Vermont Castings, Inc.)	Century/Dutchmaster FW and CDW	1	11,800 - 32,300
CFM Corporation (Vermont Castings, Inc.)	Dutchwest Small Convection Heater #2460	1.1	6,600 - 27,300
CFM Corporation (Vermont Castings, Inc.)	DutchWest Large 2479	1.3	11,300 - 26,500
CFM Corporation (Vermont Castings, Inc.)	Dutchwest Extra Large Convection 2462	1.3	8,300 - 28,000
CFM Corporation (Vermont Castings, Inc.)	FA455	1.3	10,400 - 26,500
CFM Corporation (Vermont Castings, Inc.)	DutchWest Small	1.4	7,800 - 25,100
CFM Corporation (Vermont Castings, Inc.)	Dutchwest Large Convection Heater 2461	1.4	10,700 - 29,500
CFM Corporation (Vermont Castings, Inc.)	DutchWest Medium 2478	1.5	10,600 - 25,300
CFM Corporation (Vermont Castings, Inc.)	C.D. Lg. Fed. Convection Heater FA264CCL, FA264CCR	1.6	6,600 - 26,700
CFM Corporation (Vermont Castings, Inc.)	Defiant Encore 2550 (Formerly 2190)	1.6	8,700 - 41,700
CFM Corporation (Vermont Castings, Inc.)	Defiant Encore 2140	1.8	9,000 - 41,300
CFM Corporation (Vermont Castings, Inc.)	Intrepid II 1990	2.1	8,300 - 26,700
CFM Corporation (Vermont Castings, Inc.)	2170	2.1	9,400 - 22,800
CFM Corporation (Vermont Castings, Inc.)	WinterWarm Fireplace Insert 1280	2.1	10,300 - 30,000
CFM Corporation (Vermont Castings, Inc.)	WinterWarm Small Insert 2080	2.1	8,700 - 31,100
CFM Corporation (Vermont Castings, Inc.)	FA264	2.2	9,500 - 31,700



Manufacturer Name	Model Name	Annual Avg Emission Rate (grams/hr)	Heat Output (BTU/hr)
CFM Corporation (Vermont Castings, Inc.)	EWf 36A	2.4	11,300 - 75,500
CFM Corporation (Vermont Castings, Inc.)	Intrepid II 2070	2.4	9,200 - 19,300
Country Flame Technologies, Inc.	R/90	1.5	10,600 - 46,800
Country Flame Technologies, Inc.	E-1/90	1.7	9,600 - 37,800
Country Flame Technologies, Inc.	B/A	2	10,400 - 55,500
Country Flame Technologies, Inc.	O-2	2.5	8,000 - 30,000
Country Stoves, Inc. (Innovative Hearth Products)	Striker S160 and C160	1.6	12,500 - 41,200
Derco, Inc./Grizzly Stoves	Super Achiever FPI-2-LEX	2.4	9,800 - 34,200
England's Stove Works, Inc.	30-NC, 50-TNC30, 50-SNC30	1.6	12,000 - 28,300
England's Stove Works, Inc.	18M-H	2	7,800 - 26,900
England's Stove Works, Inc.	Summers Heat 50-SHW20 Englander 24JC	2.1	7,200 - 28,600
England's Stove Works, Inc.	18 PC	2.2	8,700 - 26,400
England's Stove Works, Inc.	Englander Freestanding Radiant 24FC	2.4	7,200 - 35,600
England's Stove Works, Inc.	Summers Heat 50-SHW25 Englander 24ICD	2.4	5,400 - 17,400
England's Stove Works, Inc.	113-NCI, 50-TNC13I, 50-SNC13I (Insert)	2.4	11,600 - 32,000
England's Stove Works, Inc.	Englander Front Loading Fireplace 28IC	2.5	8,200 - 24,400
England's Stove Works, Inc.	Madison 15-SSW01,50-SHSSW01,50-TRSSW01	2.5	12,000 - 26,300
Fireplace Products International Limited	Regency F3500	1.1	11,000 - 33,500
Fireplace Products International Limited	Regency F5100	1.5	11,700 - 42,000
Fireplace Products International Limited	Regency CI2600 and HI400	1.8	15,200 - 27,500
Foundries du Lion S.A.	Efel Symphony 390.74	1.8	10,700 - 33,000
Hearth and Home Technologies	3100 ACC Series, 31M-ACC Limited Edition	1.1	11,900 - 43,200
Hearth and Home Technologies	4300ACC	1.1	11,800 - 38,300



Manufacturer Name	Model Name	Annual Avg Emission Rate (grams/hr)	Heat Output (BTU/hr)
Hearth and Home Technologies	Quadra Fire 4300 ACT	1.2	11,900 - 58,500
Hearth and Home Technologies	Quadra-Fire 3100 ACT & 3100I ACT	1.3	11,400 - 46,900
Hearth and Home Technologies	Quadra-Fire 5100 I ACT B	2	11,900 - 50,600
Hearth and Home Technologies	2100 ACC	2.1	12,000 - 28,000
Hearth and Home Technologies	Quadra-Fire 3100F, 3100 I	2.1	11,900 - 43,200
Hearth and Home Technologies	Quadra-Fire 4300	2.1	11,900 - 39,900
Hearth and Home Technologies	Quadra-Fire 1900	2.2	11,500 - 32,200
Hearth and Home Technologies	Quadra-Fire Cape Cod	2.2	11,500 - 43,000
Hearth and Home Technologies	Quadra Fire Explorer II	2.2	11,200 - 35,900
Hearth and Home Technologies	Quadra Fire 5700 ACC	2.3	11,200 - 40,400
Hearth and Home Technologies	Harman Stove Co. TL 300 and TL300i	1.1	11,200 - 34,900
Hearth and Home Technologies	Quadra Fire 2100 Millennium & 2100 ACT	2	10,900 - 37,200
Hearth and Home Technologies	Quadra Fire Explorer III	2	12,700 - 41,900
Hearth and Home Technologies	Harman Stove Co. Oak leaf	2.2	9,700 - 24,600
Hearth and Home Technologies	Harman Stove Co. Oakwood	2.3	10,900 - 30,500
Hearth and Home Technologies	Adventure II	2.4	10,500 - 31,100
Hearthstone Quality Home Heating Products Inc.	Homestead 8570	1.9	10,500 - 33,600
Hearthstone Quality Home Heating Products Inc.	Shelburne 8370	2.1	11,800 - 32,400
Hearthstone Quality Home Heating Products Inc.	Shelburne 1 8371	2.1	11,800 - 32,400
Hearthstone Quality Home Heating Products Inc.	Manchester 2 8361	2.1	11,600 - 34,000
Hearthstone Quality Home Heating Products Inc.	Heritage	2.3	10,700 - 29,400
Hearthstone Quality Home Heating Products Inc.	Phoenix 8612	2.4	10,500 - 41,500
High Sierra Stoves, Ltd	Evolution 8000TE	2.2	7,900 - 40,500
High Sierra Stoves, Ltd	Ambassador 4700TE	2.5	10,100 - 37,600



Manufacturer Name	Model Name	Annual Avg Emission Rate (grams/hr)	Heat Output (BTU/hr)
Hussong Manufacturing Company, Inc.(Kozy Heat)	Olivia OVL-PC	2.5	8,100 - 21,400
Hutch Manufacturing Company	DWI-42C-2 (EPA)	1.5	10,700 - 52,800
Hutch Manufacturing Company	DWI-42C	1.6	9,800 - 54,600
Hutch Manufacturing Company	HRD-27C Catalytic Freestanding	2.5	10,300 - 56,200
Innovative Hearth Products	Striker S160, C160, SWI160, SWS160	1.6	12,500 - 41,200
Jotul North America (Jotul U.S.A., Inc.)	F45	2.3	11,600 - 26,500
Jotul North America (Jotul U.S.A., Inc.)	Firelight 12	2.4	10,500 - 32,100
Kent Heating Limited	Catalytic Tile Fire	2	5,900 - 24,500
Krog Iversen & Co. A/S	DSA 4	1.1	10,500 - 27,900
Krog Iversen & Co. A/S	Basic 1 & 3	2.2	10,000 - 17,900
Krog Iversen & Co. A/S	Basic 4	2.2	10,000 - 22,100
Kuma Stove Inc.	K100/300/400 SEQUOIA	2.2	10,100 - 52,100
Lennox Hearth Products (Innovative Hearth Products)	STRIKER S160 and C160	1.6	12,500 - 41,200
Lennox Hearth Products (Innovative Hearth Products)	Bayview II, 2000C,BV4000C, BV4000C-2	1.9	6,600 - 40,900
Long Agribusiness	Silent Flame 2058A	2.3	9,600 - 30,600
Long Agribusiness	Silent Flame 2062	2.4	9,900 - 32,600
Martin Industries, Inc.	C-92	2.4	7,200 - 29,500
Monessan Hearth Systems (Vermont Castings Group)	Century/Dutchmaster FW and CDW	1	11,800 - 32,300
Monessan Hearth Systems (Vermont Castings Group)	Defiant 1975	2.3	9,600 - 26,600
National Steelcrafters of Oregon	Breckwell W3000FS/W3000I	2.3	11,600 - 33,700
New Buck Corporation (Buck Stove Corp.)	Buck Bay 91	1.2	8,800 - 51,200
New Buck Corporation (Buck Stove Corp.)	New Buck/Carolina 17	1.2	8,100 - 27,900
New Buck Corporation (Buck Stove Corp.)	Buck Master	2.1	10,800 - 49,800



Manufacturer Name	Model Name	Annual Avg Emission Rate (grams/hr)	Heat Output (BTU/hr)
New Buck Corporation (Buck Stove Corp.)	50PCV, 50PBay, 50CV, 50CBay, 50CD, 50BCV, 50BBay	2.5	10,100 - 38,000
NHC Inc.	3-C	2	7,900 - 15,000
NHC Inc.	Harvest A-HII	2.5	10,500 - 36,400
NU-TEC/Upland Distributors, Inc. (United States Stove Company)	Brenden BR-60	1.4	11,000 - 29,400
Olsberg Hermann Everken, Gmbh	Bristol OH-L	2.1	11,800 - 32,200
Oregon Woodstoves, Inc.	OS/1	1.4	7,800 - 40,000
Pacific Energy Fireplace Products Limited	TN20	2.1	13,500 - 29,000
Pacific Energy Fireplace Products Limited	FP30 Series B	2.5	14,600 - 38,600
Rais A/S	Gabo Pina Vola	2.1	12,000 - 26,700
RJM Manufacturing, Inc	Achiever FPI-1-LEX	2	7,900 - 26,700
RJM Manufacturing, Inc.	FPI-2-LEX/90	1.6	10,300 - 36,500
RJM Manufacturing, Inc.	Energy King Bay 2000C	2.5	11,400 - 34,600
RSF / ICC - Industrial Chimney Company Inc.	RSF Opel2C, Opel3C, Opel4C	2.5	13,400 - 30,100
Russo Products, Inc.	GV-30S	2.4	8,400 - 31,300
Russo Products, Inc.	Russo Glassview GV-21	2.5	9,500 - 38,700
Salvo Machinery, Inc.	Citation	2.4	9,600 - 33,500
Sierra Products, Inc.	Sierra Evolution 8000 TEC	2.5	9,700 - 35,900
Thermic Distribution Europe	Efel Symphony 390.74	1.8	10,700 - 33,000
Travis Industries, Inc.	Avalon Spokane 1750 380-NT & X-NT	1.9	9,300 - 42,200
Travis Industries, Inc.	Lopi Endeavor, Lopi Revere, Lopi Republic 1750	1.9	9,300 - 42,200
Travis Industries, Inc.	Republic 1750, Endeavor and Revere Insert	1.9	9,300 - 42,200
Travis Industries, Inc.	Avalon Spokane 1750 cT	1.9	9,300 - 42,200
Travis Industries, Inc.	Avalon Rainier 90/Rainier 45	2	11,200 - 40,000
Travis Industries, Inc.	Rainier, Rainier insert	2	11,200 - 40,000



Manufacturer Name	Model Name	Annual Avg Emission Rate (grams/hr)	Heat Output (BTU/hr)
Travis Industries, Inc.	Fireplace Xtrordinair Elite 36	2.2	11,900 - 47,100
Travis Industries, Inc.	44-A BI and Z.C.	2.3	10,700 - 75,700
Travis Industries, Inc.	36 Elite	2.3	11,900 - 47,100
Travis Industries, Inc.	Leyden and Avalon Arbor	2.4	10,700 - 33,900
Travis Industries, Inc.	Leyden	2.4	10,700 - 33,900
Travis Industries, Inc.	Arbor	2.4	10,700 - 33,900
Travis Industries, Inc.	Flush Wood	2.5	12,000 - 29,600
Travis Industries, Inc.	Fireplace Xtrordinair 44 Elite	2.5	11,000 - 45,300
Travis Industries, Inc.	44 Elite	2.5	11,000 - 45,300
Travis Industries, Inc.	42CVT Wood Fireplace	0.7	11,200 - 37,900
Unforgettable Fire LLC	Katydid	1.9	13,000 - 18,300
United States Stove Company	2400	1.1	7,300 - 14,000
United States Stove Company	Ashley CAHF-2, Atlanta ACF-2, King MCF-2	1.6	12,800 - 38,900
United States Stove Company	Ashley AHS2, AHS2B, King KHS2	1.9	13,700 - 34,300
United States Stove Company	3000 (AFS7500), SW4100	1.9	11,600 - 38,100
United States Stove Company	3000 FT	1.9	11,600 - 38,100
United States Stove Company	Breckwell W3000FS/W3000I	2.3	11,600 - 33,700
United States Stove Company	Breckwell SW740	2.5	11,000 - 36,700
Vermont Castings	Defiant Encore	0.6	6,200 - 32,900
Vermont Castings	Encore 1450 N/C	0.7	10,600 - 24,000
Vermont Castings	2370	1	5,700 - 18,300
Vermont Castings	Century/Dutchmaster FW and CDW	1	11,800 - 32,300
Vermont Castings	Dutchwest Small Convection Heater #2460	1.1	6,600 - 27,300
Vermont Castings	Defiant 1975	1.1	11,400 - 34,000



Manufacturer Name	Model Name	Annual Avg Emission Rate (grams/hr)	Heat Output (BTU/hr)
Vermont Castings	FA455	1.3	10,400 - 26,500
Vermont Castings	Dutchwest Extra Large Convection 2462	1.3	8,300 - 28,000
Vermont Castings	DutchWest Large 2479	1.3	11,300 - 26,500
Vermont Castings	Dutchwest Large Convection Heater 2461	1.4	10,700 - 29,500
Vermont Castings	DutchWest Small 2460	1.4	7,800 - 25,100
Vermont Castings	Dutchwest 2477	1.4	7,800 - 25,100
Vermont Castings	DutchWest Medium 2478	1.5	10,600 - 25,300
Vermont Castings	C.D. Lg. Fed. Convection Heater FA264CCL, FA264CCR	1.6	6,600 - 26,700
Vermont Castings	Defiant Encore 2550 (Formerly 2190)	1.6	8,700 - 41,700
Vermont Castings	Encore 2040	1.6	10,000 - 34,000
Vermont Castings	Defiant Encore 2140	1.8	9,000 - 41,300
Vermont Castings	2170	2.1	9,400 - 22,800
Vermont Castings	WinterWarm Fireplace Insert 1280	2.1	10,300 - 30,000
Vermont Castings	Intrepid II 1990	2.1	8,300 - 26,700
Vermont Castings	WinterWarm Small Insert 2080	2.1	8,700 - 31,100
Vermont Castings	FA264	2.2	9,500 - 31,700
Vermont Castings	Intrepid II 2070	2.4	9,200 - 19,300
Vermont Castings	EWf 36A	2.4	11,300 - 75,500
Vermont Castings	Savannah SSW30FTAL, SSW30FTAPB, SSW30STAL, SSW30FTPB, SSW30STAPB, challenger SSW30	2.5	11,600 - 30,600
Vermont Castings	Savannah	2.5	11,600 - 30,600
Vestal Manufacturing	Vestal Fireplace Insert V-200-I, V-200-P, V-200-L	2	11,700 - 26,500
Vestal Manufacturing	Vestal Radiant Heater V-100	2.2	9,400 - 27,700
Wittus Inc.	XEOOS Twinfire Series, Basic, Classic, Elegance, Pur	2.4	11,500 - 27,400



Manufacturer Name	Model Name	Annual Avg Emission Rate (grams/hr)	Heat Output (BTU/hr)
Woodstock Soapstone Company, Inc.	Ideal Steel Hybrid 210	1	12,300 - 57,000
Woodstock Soapstone Company, Inc.	Progress Hybrid Soapstone Stove #209	1.3	12,500 - 73,200
Woodstock Soapstone Company, Inc.	Catalytic Fireview Soapstone Stove #205	1.4	10,900 - 42,900
Woodstock Soapstone Company, Inc.	Paladian 202, Paladian 203 & Keystone 204	1.9	8,500 - 35,000

Source: <http://www.epa.gov/Compliance/resources/publications/monitoring/caa/woodstoves/certifiedwood.pdf>, (accessed July 21, 2015).

This list will be updated regularly.

If a woodstove <350,000 Btu/hr meets the emission standards in 18 AAC 50.077 but does not appear on this list, submit proof of compliance with the standards to DEC for review and approval.

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