**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 Steven Hoke by phone (907) 451-5172 or by email [steven.hoke@alaska.gov](mailto:steven.hoke@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  AND  2.0 g/hr particulate matter annual average emission level  AND  Not exceed 6.0 grams per hour on any valid 1-hr filter pull from the device’s certification test  AND  DEC acceptance of underlying certification test results | 1/8/2020  9/1/2020 |

More [information and a map of the FNSB PM2.5 Nonattainment Area](https://dec.alaska.gov/air/burnwise/regulations/) is available online

Summary of Changes:

| **Change Type** | **Manufacturer** | **Models** | **Reason for Change** |
| --- | --- | --- | --- |
| Removed | Several | All devices where DEC cannot confirm the certification test results and/or where the manufacturer has not contacted DEC | Manufacturers have not addressed certification report deficiencies or did not provide DEC with a statement committing to correcting deficiencies found. |

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**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.**

| **Approved Device List** | | | |
| --- | --- | --- | --- |
| **Manufacturer Name** | **Model Name** | **Annual Avg Emission Rate (grams/hr)** | **Heat Output**  **(BTU/hr)** |
| 509 Fabrications, Inc. | 509-1 Optimum | 1.5 | 32183-19573 |
| Enerco Group, Inc. | PS60W | 0.99 | 26865-9265 |
| England's Stove Works, Inc. | 25-CBPAH, 55-SHPCBPAH, and 55-TRPCBPAH | 0.76 | 21807-11093 |
| 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 |
| 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 | 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 |
| Ravelli SRL | RV100 Classic | 0.7 | 34500-10750 |
| 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 |
| Travis Industries, Inc | AGP Insert | 0.98 | 33686-8320 |
| 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 |
| 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 |

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