EPA Certification Test Report

The following models are EPA certified under the following attached test report:	R-12
	Model #
Wood Stoves	n/a
Wood Inserts	H2100
Wood Fireplaces	n/a
Pellet Stoves	n/a
Pellet Inserts	n/a

Full US Environmental Protection Agency ("EPA") certification test reports have been reported to the EPA. Test reports may contain sensitive, confidential business information which has been specifically excluded and/or redacted from this publicly posted test report.





(406) 252-4450 🕅 1744 Mullowney Lane 📓 Billings, MT 59101

United States Environmental Protection Agency Woodheater Certification Test Report

> Regency Industries, LTD. R-12 Warm Hearth Noncatalytic Wood Heater

> > REPORT BY:

BILL NOWAK

G.E. WADINGTON

CONFIDENTIAL

RELEASED ONLY BY AUTHORIZED PERSONNEL

PROJECT NO. W-204

DATE 8/16/91

EEMIC/KENT

1315 S. Central Avenue, Unit C Kent Washington 98032 (206) 859-8318 EEMC/TUCSON 3925 Placita de la Escarpa Tucson, Arizona 85715 [602] 7:49:20-8965 * * * * * * * * * * * CONFIDENTIAL

The data and information in this test report is confidential, proprietary information and is not to be released to and/or discussed with any party who is not authorized by the manufacturer or the testing laboratory to receive such data.

* * * * * * * * * * CONFIDENTIAL * * * * * * * * *

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REPORT CERTIFICATION

The sampling and analysis for the woodstove described in this report was carried out under my direction and supervision.

Date 8-12-91 Signature Bill Nowak

Date

Signature

I have reviewed all of the testing data and results found in this test report and hereby certify that the test report is authentic and accurate.

-2-2-2-

Date 8/15/91 Signature Ed Wadnug for

Page 1 of 4 WST5-Form1

EPA Weighted Averages Calculations

The weighted average particulate emission rate (PM) for the

 R-12 Warm Hearth
 manufactured by

 Regency Industries, Ltd.
 is 3.4 g/hr.

> II. EPA Test Results *Denotes runs used in weighted average calculations Dry Burn Overall

| <u>Run#</u> | Rate/kg/hr | Grams/Hour | Efficiency |
|-------------|---|------------|------------|
| <u>4*</u> | 0.895 | 2.645 | |
| | 1.245 | 2.757 | |
| <u>3*</u> | 1.573 | 4.110 | |
| <u>1*</u> | 3.897 | 5.907 | |
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| 5 | 1.195 | 4.842 | |
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Unit RECENCY R-12 Date 6/10/4. Technicians BN 55/6 DK H Page _____ of

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WST5-Form3

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CATALYTIC COMBUSTOR AGING DATA QR

STOVE AGING DATA WOODSTOVE TEST DATA SHEET #25

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Burn Temp | Post
Cat | In
Cat | Comments |
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| $\left \right\rangle$ | <u>dío</u> | 1730 | 764 | 1140 | | | ADD FUEL 1715 |
| 23 | | 1830 | 1032 | 1409 | | | ADD FLEL 1900 |
| 4 | | 1930 | 953 | 1088 | | | |
| 5 | 6/11 | /000 | 937 | 1430 | | | FILE STARTED 0930 |
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| 1 | | 1200 | 721 | 1245 | | | AMD FUEL |
| 9 | | 1300 | 206 | 1448 | | | |
| G | | 1400 | 698 | 778 | | | ADD FUEL |
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Technician(s): <u>PXC S TX 、CG</u> | | connents | Primary Air Set at 43% | Secondary Air S | Fan: 146H | | | | Pumps turned on at: $ \mathcal{S}\mathcal{V}\mathcal{O}$ | | 301.2 | check WB/DB: 81/91 | | | | JEI. B | | | | • | | | | | |
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| | AND FLUE GAS DATA
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| • | BURN RATE
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WST2-Form | Ì | Scale | 5 457.9 | 457.8 | 457.7 | 457.6 | 4575 | 457.il | 4573 | 451.3 | 451.2 | 457.1 | 4571 | 50 457.0 | | 5 457.0 | 1800 456.9 | | | | | | | | | | | | |
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| | Date: <u>6//8/9/</u>
Technician(s): <u>80 7k 0K</u>
<u>2K, 55, XU</u> | | Connents | Primary Air Set at $5^{''}$ a variable | Secondary Air Set at \mathcal{NA} | 141 4.1 | | | | Pumps turned on at: 1405 | rate wat bud 14se | | Check WB/DB: 76 /08 | | | | | | Dute | | | | • | 937.8 | | | | | | |
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| | Unit: <u>29</u>
Run: 2
Page: 1 | 6 | Firebox | 1987 | 113/ | 1094 | 1006 | 979 | 936 | 263 | BBC | 796 | 767 | 135 | 906 | | 060 | 673 | 601 | 1 40 | 631 | 619 | 609 | 698 | eus
Sus | | | | | |
| | | 8 | Bottom | 341 | 311 | 378 | 376 | 371 | 363 | 350 | 345 | 33.7 | 331 | 306 | 318 | | <u> </u> | 307 | 309 | BGB | BGO | 904 | 060 | MG | JIG | | | | | |
| | | 7 | Right
Side | cloc | 181 | 4 <u>9</u> 3 | ILħ | Ŷ | <u>4</u> 4 | 419 | 403 | <i>287</i> | 371 | 360 | 341 | | 331 | 301 | 311 | 999 | Bau | B C | PRI | hug | m | | | | | |
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Impinger | 36 | 36 | 36 | 36 | 36 | K | R | 9C | 30 | Ŕ | 36 | 36 | | R | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 310 | 36 | 36 | 36 | | |
| | 25 | 16 | C. Gas
Impinger | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | | 36 | 36 | 36 | 3 C | 36 | 36 | 36 | 36 | ગહ | 36 | 36 | 36 | | |
| - | Date: <u>6/8/9</u> /
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| | Tec | 14 | Impinger
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| | Unit:
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Temp | 18 | 18 | 18 | 181 | 18 | B | 18 | 18 | 18 | 10 | 81 | 48 | (613) | 69 | B | B | 53 | 83 | 68 | 83 | 33 | 84 | 83 | | 94 | <u>1</u> | 070 |
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| | | 14 | Impinger
Out | 36 | 36 | 36 | 37 | 37 | 31 | 37 | 37 | 37 | 5 | ક્રક્ | 38 | | 38 | 38 | | | | | | | | | | | | •• |
| | <u>6-9</u> | 13 | Sample
Box | 549 | 249 | 249 | 249 | 249 | 248 | 248 | 249 | Sug | 54G | 949 | 249 | | 249 | 949 | | | | | | 234. le | 232.8 | 6 | | | | |
| | Unit: <u>Keauver</u>
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Page: <u>20 of 5</u> | 12 | Tube
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<u>CG. 0V_X5</u> | | Connents | Primary Air Set at 6" from Side | Secondary Air Set at N/A- | Fan: OU HI&H | | | DT 316.0 | on at: | 360.2 | | Chěčk WB/DB: 71/88 | 27.7CE | 317.0 | 281.0 | 298.8 | <u> </u> | _ | 215.5 | | h-Co)C | 258.8 | | 262.6 | 244.8 | | | |
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Page: 1 of | 6 | Firebox | 543 | 1683 | 1183 | prei | 1388 | 9741 | SPCI | 8101 | 1184 | LP01 | 1130 | 1125 | | 1121 | hC11 | | | | | | | | | | |
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