

Issued in Portland, Oregon, on September 20, 1995.  
Randall W. Hardy,  
*Administrator and Chief Executive Officer.*  
[FR Doc. 95-25428 Filed 10-12-95; 8:45 am]  
**BILLING CODE 6450-01-P**

**Office of Fossil Energy****[FE Docket No. 95-69-NG]****Centra Gas Ontario, Inc.; Order Granting Blanket Authorization To Export Natural Gas to Canada**

**AGENCY:** Office of Fossil Energy, DOE.  
**ACTION:** Notice of order.

**SUMMARY:** The Office of Fossil Energy of the Department of Energy gives notice that it has issued an order granting Centra Gas Ontario, Inc. authorization to export up to 16 Bcf of natural gas to Canada over a two-year term beginning on the date of the first export delivery after October 31, 1995.

This order is available for inspection and copying in the Office of Fuels Programs Docket Room, 3F-056, Forrestal Building, 1000 Independence Avenue, S.W., Washington, D.C. 20585, (202) 586-9478. The docket room is open between the hours of 8:00 a.m. and 4:30 p.m., Monday through Friday, except Federal holidays.

Issued in Washington, D.C., September 25, 1995.  
Clifford P. Tomaszewski,  
*Director, Office of Natural Gas, Office of Fuels Programs, Office of Fossil Energy.*  
[FR Doc. 95-25432 Filed 10-12-95; 8:45 am]  
**BILLING CODE 6450-01-P**

**[FE Docket No. 95-67-NG]****Onyx Gas Marketing Company, L.C.; Order Granting Blanket Authorization To Import and Export Natural Gas From and To Mexico**

**AGENCY:** Office of Fossil Energy, DOE.  
**ACTION:** Notice of order.

**SUMMARY:** The Office of Fossil Energy of the Department of Energy gives notice that it has issued an order granting Onyx Gas Marketing Company, L.C. (Onyx) authorization to import and export a combined total of up to 110 Bcf of natural gas from and to Mexico. This import/export authorization shall extend for a period of two years beginning on the date of the initial import or export delivery, whichever occurs first.

Onyx's order is available for inspection and copying in the Office of Fuels Programs Docket Room, 3F-056,

Forrestal Building, 1000 Independence Avenue, S.W., Washington, D.C. 20585, (202) 586-9478. The docket room is open between the hours of 8:00 a.m. and 4:30 p.m., Monday through Friday, except Federal holidays.

Issued in Washington, D.C., on September 22, 1995.  
Clifford P. Tomaszewski,  
*Director, Office of Natural Gas, Office of Fuels Programs, Office of Fossil Energy.*  
[FR Doc. 95-25431 Filed 10-12-95; 8:45 am]  
**BILLING CODE 6450-01-P**

**[FE Docket No. 95-72-NG]****Tennessee Gas Pipeline Company; Order Granting Blanket Authorization To Import Natural Gas From Canada**

**AGENCY:** Office of Fossil Energy, DOE.  
**ACTION:** Notice of order.

**SUMMARY:** The Office of Fossil Energy of the Department of Energy gives notice that it has issued an order granting Tennessee Gas Pipeline Company authorization to import up to 200 Bcf of natural gas from Canada. The import authorization is for a period of two years beginning on the date of the initial delivery after September 29, 1995.

This order is available for inspection and copying in the Office of Fuels Programs Docket Room, 3F-056, Forrestal Building, 1000 Independence Avenue, S.W., Washington, D.C. 20585, (202) 586-9478. The docket room is open between the hours of 8:00 a.m. and 4:30 p.m., Monday through Friday, except Federal holidays.

Issued in Washington, D.C. on September 22, 1995.  
Clifford P. Tomaszewski,  
*Director, Office of Natural Gas, Office of Fuels Programs, Office of Fossil Energy.*  
[FR Doc. 95-25433 Filed 10-12-95; 8:45 am]  
**BILLING CODE 6450-01-P**

**[FE Docket No. 95-66-NG]****Valero Industrial Gas, L.P.; Order Granting Blanket Authorization To Import and Export Natural Gas From and To Mexico**

**AGENCY:** Office of Fossil Energy, DOE.  
**ACTION:** Notice of order.

**SUMMARY:** The Office of Fossil Energy of the Department of Energy gives notice that it has issued an order granting Valero Industrial Gas, L.P. blanket authorization to import and export up to a combined total of 300 Bcf of natural gas from and to Mexico over a two-year term beginning on the date of first

import or export delivery after October 22, 1995.

This order is available for inspection and copying in the Office of Fuels Programs docket room, 3F-056, Forrestal Building, 1000 Independence Avenue, S.W., Washington, D.C. 20585, (202) 586-9478. The docket room is open between the hours of 8:00 a.m. and 4:30 p.m., Monday through Friday, except Federal holidays.

Issued in Washington, D.C., September 21, 1995.

Clifford P. Tomaszewski,  
*Director, Office of Natural Gas, Office of Fuels Programs, Office of Fossil Energy.*  
[FR Doc. 95-25434 Filed 10-12-95; 8:45 am]  
**BILLING CODE 6450-01-P**

**Office of Energy Efficiency and Renewable Energy****[Case No. F-080]****Energy Conservation Program for Consumer Products: Granting of the Application for Interim Waiver and Publishing of the Petition for Waiver of the Trane Company From the DOE Furnace Test Procedure**

**AGENCY:** Office of Energy Efficiency and Renewable Energy, Department of Energy.

**ACTION:** Notice.

**SUMMARY:** Today's notice publishes a letter granting an Interim Waiver to The Trane Company (Trane) from the existing Department of Energy (DOE or Department) test procedure regarding blower time delay for the company's TUD-C/AUD-C, TDD-C/ADD-C, TUD-R/AUD-R, TDD-R/ADD-R, TUD-R-V/AUD-R-V, TDD-R-V/ADD-R-V, TDD-R-V/ADD-R-V, TUY-R-V/AUY-R-V, and TDY-R-V/ADY-R-V central furnaces.

Today's notice also publishes a "Petition for Waiver" from Trane. Trane's Petition for Waiver requests DOE to grant relief from the DOE furnace test procedure relating to the blower time delay specification. Trane seeks to test using a blower delay time of 45 seconds for its TUD-C/AUD-C, TDD-C/ADD-C, TUD-R/AUD-R, TDD-R/ADD-R, TUD-R-V/AUD-R-V, TDD-R-V/ADD-R-V, TUY-R-V/AUY-R-V, and TDY-R-V/ADY-R-V central furnaces instead of the specified 1.5-minute delay between burner on-time and blower on-time. The Department is soliciting comments, data, and information respecting the Petition for Waiver.

**DATES:** DOE will accept comments, data, and information not later than November 13, 1995.

**ADDRESSES:** Written comments and statements shall be sent to: Department of Energy, Office of Energy Efficiency and Renewable Energy, Case No. F-080, Mail Stop EE-43, Room 1J-108, Forrestal Building, 1000 Independence Avenue, SW., Washington, DC 20585, (202) 586-7140.

**FOR FURTHER INFORMATION CONTACT:** Cyrus H. Nasseri, U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy, Mail Station EE-431, Forrestal Building, 1000 Independence Avenue, SW., Washington, DC 20585, (202) 586-9138; Eugene Margolis, Esq., U.S. Department of Energy, Office of General Counsel, Mail Station GC-72, Forrestal Building, 1000 Independence Avenue, SW., Washington, DC 20585, (202) 586-9507.

**SUPPLEMENTARY INFORMATION:** The Energy Conservation Program for Consumer Products (other than automobiles) was established pursuant to the Energy Policy and Conservation Act (EPCA), Public Law 94-163, 89 Stat. 917, as amended by the National Energy Conservation Policy Act (NECPA), Public Law 95-619, 92 Stat. 3266, the National Appliance Energy Conservation Act of 1987 (NAECA), Public Law 100-12, the National Appliance Energy Conservation Amendments of 1988 (NAECA 1988), Public Law 100-357, and the Energy Policy Act of 1992 (EPAct), Public Law 102-486, 106 Stat. 2776, which requires DOE to prescribe standardized test procedures to measure the energy consumption of certain consumer products, including furnaces. The intent of the test procedures is to provide a comparable measure of energy consumption that will assist consumers in making purchasing decisions. These test procedures appear at 10 CFR Part 430, Subpart B.

The Department amended the prescribed test procedures by adding 10 CFR 430.27 on September 26, 1980, creating the waiver process. 45 FR 64108. Thereafter, DOE further amended the appliance test procedure waiver process to allow the Assistant Secretary for Energy Efficiency and Renewable Energy (Assistant Secretary) to grant an Interim Waiver from test procedure requirements to manufacturers that have petitioned DOE for a waiver of such prescribed test procedures. 51 FR 42823, November 26, 1986.

The waiver process allows the Assistant Secretary to waive temporarily, test procedures for a particular basic model when a petitioner shows that the basic model contains one or more design characteristics which prevent testing according to the

prescribed test procedures, or when the prescribed test procedures may evaluate the basic model in a manner so unrepresentative of its true energy consumption as to provide materially inaccurate comparative data. Waivers generally remain in effect until final test procedure amendments become effective, resolving the problem that is the subject of the waiver.

The Interim Waiver provisions added by the 1986 amendment allow the Assistant Secretary to grant an Interim Waiver when it is determined that the applicant will experience economic hardship if the Application for Interim Waiver is denied, if it appears likely that the Petition for Waiver will be granted, and/or the Assistant Secretary determines that it would be desirable for public policy reasons to grant immediate relief pending a determination on the Petition for Waiver. An Interim Waiver remains in effect for a period of 180 days or until DOE issues its determination on the Petition for Waiver, whichever is sooner, and may be extended for an additional 180 days, if necessary.

On August 11, 1995, Trane filed an Application for Interim Waiver and a Petition for Waiver regarding blower time delay. Trane's Application seeks an Interim Waiver from the DOE test provisions that require a 1.5-minute time delay between the ignition of the burner and starting of the circulating air blower. Instead, Trane requests the allowance to test using a 45-second blower time delay when testing its TUD-3C/AUD-C, TDD-C/ADD-C, TUD-R/AUD-R, TDD-R/ADD-R, TUD-R-V/AUD-R-V, TDD-R-V/ADD-R-V, TUY-R-V/AUY-R-V, and TDY R-V/ADY-R-V central furnaces. Trane states that the 45-second delay is indicative of how these furnaces actually operate. Such a delay results in an overall furnace AFUE of approximately 1.0 percent point improvement. Since current DOE test procedures do not address this variable blower time delay, Trane asks that the Interim Waiver be granted.

The Department has published a Notice of Proposed Rulemaking on August 23, 1993, (58 FR 44583) to amend the furnace test procedure, which addresses the above issue.

Previous waivers for this type of time blower delay control have been granted by DOE to Coleman Company, 50 FR 2710, January 18, 1985; Magic Chef Company, 50 FR 41553, October 11, 1985; Rheem Manufacturing Company, 53 FR 48574, December 1, 1988, 56 FR 2920, January 25, 1991, 57 FR 10166, March 24, 1992, 57 FR 34560, August 5, 1992; 59 FR 30577, June 14, 1994, and

59 FR 55470, November 7, 1994; Trane Company, 54 FR 19226, May 4, 1989, 56 FR 6021, February 14, 1991, 57 FR 10167, March 24, 1992, 57 FR 22222, May 27, 1992, and 58 FR 68138, December 23, 1993; Lennox Industries, 55 FR 50224, December 5, 1990, 57 FR 49700, November 3, 1992, 58 FR 68136, December 23, 1993, and 58 FR 68137, December 23, 1993; Inter-City Products Corporation, 55 FR 51487, December 14, 1990, and 56 FR 63945, December 6, 1991; DMO Industries, 56 FR 4622, February 5, 1991, and 59 FR 30579, June 14, 1994; Heil-Quaker Corporation, 56 FR 6019, February 14, 1991; Carrier Corporation, 56 FR 6018, February 14, 1991, 57 FR 38830, August 27, 1992, 58 FR 68131, December 23, 1993, 58 FR 68133, December 23, 1993 and 59 FR 14394, March 28, 1994; Amana Refrigeration Inc., 56 FR 27958, June 18, 1991, 56 FR 63940, December 6, 1991, 57 FR 23392, June 3, 1992, and 58 FR 68130, December 23, 1993; Snyder General Corporation, 56 FR 54960, September 9, 1991; Goodman Manufacturing Corporation, 56 FR 51713, October 15, 1991, 57 FR 27970, June 23, 1992 and 59 FR 12586, March 17, 1994; The Ducane Company Inc., 56 FR 63943, December 6, 1991, 57 FR 10163, March 24, 1992, and 58 FR 68134, December 23, 1993; Armstrong Air Conditioning, Inc., 57 FR 899, January 9, 1992, 57 FR 10160, March 24, 1992, 57 FR 10161, March 24, 1992, 57 FR 39193, August 28, 1992, 57 FR 54230, November 17, 1992, and 59 FR 30575, June 14, 1994; Thermo Products, Inc., 57 FR 903, January 9, 1992; Consolidated Industries Corporation, 57 FR 22220, May 27, 1992; Evcon Industries, Inc., 57 FR 47847, October 20, 1992, and 59 FR 46968, September 13, 1994; Bard Manufacturing Company, 57 FR 53733, November 12, 1992, and 59 FR 30578, June 14, 1994; and York International Corporation, 59 FR 46969, September 13, 1994, and 60 FR 100, January 3, 1995. Thus, it appears likely that the Petition for Waiver will be granted for blower time delay.

In those instances where the likely success of the Petition for Waiver has been demonstrated based upon DOE having granted a waiver for a similar product design, it is in the public interest to have similar products tested and rated for energy consumption on a comparable basis.

Therefore, based on the above, DOE is granting Trane an Interim Waiver for its TUD-C/AUD-C, TDD-C/ADD-C, TUD-R/AUD-R, TDD-R/ADD-R, TUD-R-V/AUD-R-V, TDD-R-V/ADD-R-V, TUY-R-V/AUY-R-V, TDY-R-V/ADY-R-V, and TDY-R-V/ADY-R-V central furnaces. Pursuant to paragraph (e) of

Section 430.27 of the Code of Federal Regulations Part 430, the following letter granting the Application for Interim Waiver to Trane was issued.

Trane's Petition for Waiver requested DOE to grant relief from the DOE furnace test procedure relating to the blower time delay specification. Trane seeks to test using a blower delay time of 45 seconds for its TUD-C/AUD-C, TDD-C/ADD-C, TUD-R/AUD-R, TDD-R/ADD-R, TUD-R-V/AUD-R-V, TDD-R-V/ADD-R-V, TUY-R-V/AUY-R-V, TDY-R-V/ADY-R-V, and TDY-R-V/ADY-R-V central furnaces instead of the specified 1.5-minute delay between burner on-time and blower on-time. Pursuant to paragraph (b) of 10 CFR Part 430.27, DOE is hereby publishing the "Petition for Waiver" in its entirety. The petition contains no confidential information. The Department solicits comments, data, and information respecting the petition.

Issued in Washington, DC, September 28, 1995.

Christine A. Ervin,  
*Assistant Secretary, Energy Efficiency and Renewable Energy.*

Department of Energy,  
Washington, DC,  
September 28, 1995.

Mr. Hongsik Ahn,  
*Sr. Principal Engineer, The Trane Company,  
Trenton, NJ 08619.*

Dear Mr. Ahn: This is in response to your August 11, 1995, Application for Interim Waiver and Petition for Waiver from the Department of Energy (DOE or Department) test procedure regarding blower time delay for The Trane Company (Trane) TUD-C/AUD-C, TDD-C/ADD-C, TUD-R/AUD-R, TDD-R/ADD-R, TUD-R-V/AUD-R-V, TDD-R-V/ADD-R-V, TUY-R-V/AUY-R-V, and TDY-R-V/ADY-R-V central furnaces.

Previous waivers for this type of timed blower delay control have been granted by DOE to Coleman Company, 50 FR 2710, January 18, 1985; Magic Chef Company, 50 FR 41553, October 11, 1985; Rheem Manufacturing Company, 53 FR 48574, December 1, 1988, 56 FR 2920, January 25, 1991, 57 FR 10166, March 24, 1992, 57 FR 34560, August 5, 1992, 59 FR 30577, June 14, 1994, and 59 FR 55470, November 7, 1994; Trane Company, 54 FR 19226, May 4, 1989, 56 FR 6021, February 14, 1991, 57 FR 10167, March 24, 1992, 57 FR 22222, May 27, 1992, and 58 FR 68138, December 23, 1993; Lennox Industries, 55 FR 50224, December 5, 1990, 57 FR 49700, November 3, 1992, 58 FR 68136, December 23, 1993, and 58 FR 68137, December 23, 1993; Inter-City Products Corporation, 55 FR 51487, December 14, 1990, and 56 FR 63945, December 6, 1991; DMO Industries, 56 FR 4622, February 5, 1991, and 59 FR 30579, June 14, 1994; Heil-Quaker Corporation, 56 FR 6019, February 14, 1991; Carrier Corporation, 56 FR 6018, February 14, 1991, 57 FR 38830, August 27, 1992, 58 FR 68131, December 23, 1993, 58 FR 68133, December 23, 1993 and 59 FR 14394,

March 28, 1994; Amana Refrigeration Inc., 56 FR 27958, June 18, 1991, 56 FR 63940, December 6, 1991, 57 FR 23392, June 3, 1992, and 58 FR 68130, December 23, 1993; Snyder General Corporation, 56 FR 54960, September 9, 1991; Goodman Manufacturing Corporation, 56 FR 51713, October 15, 1991, 57 FR 27970, June 23, 1992 and 59 FR 12586, March 17, 1994; The Ducane Company Inc., 56 FR 63943, December 6, 1991, 57 FR 10163, March 24, 1992, and 58 FR 68134, December 23, 1993; Armstrong Air Conditioning, Inc., 57 FR 899, January 9, 1992, 57 FR 10160, March 24, 1992, 57 FR 10161, March 24, 1992, 57 FR 39193, August 28, 1992, 57 FR 54230, November 17, 1992, and 59 FR 30575, June 14, 1994; Thermo Products, Inc., 57 FR 903, January 9, 1992; Consolidated Industries Corporation, 57 FR 22220, May 27, 1992; Evin Industries, Inc., 57 FR 47847, October 20, 1992, and 59 FR 46968, September 13, 1994; Bard Manufacturing Company, 57 FR 53733, November 12, 1992, and 59 FR 30578, June 14, 1994; and York International Corporation, 59 FR 46969, September 13, 1994, and 60 FR 100, January 3, 1995. Thus, it appears likely that the Petition for Waiver will be granted for blower time delay.

Trane's Application for Interim Waiver does not provide sufficient information to evaluate what, if any, economic impact or competitive disadvantage Trane will likely experience absent a favorable determination on its application.

However, in those instances where the likely success of the Petition for Waiver has been demonstrated, based upon DOE having granted a waiver for a similar product design, it is in the public interest to have similar products tested and rated for energy consumption on a comparable basis.

Therefore, Trane's Application for an Interim Waiver from the DOE test procedure for its TUD-C/AUD-C, TDD-C/ADD-C, TUD-R/AUD-R, TDD-R/ADD-R, TUD-R-V/AUD-R-V, TUY-R-V/AUY-R-V, and TDY-R-V/ADY-R-V central furnaces regarding blower time delay is granted.

Trane shall be permitted to test its TUD-C/AUD-C, TDD-C/ADD-C, TUD-R/AUD-R, TDD-R/ADD-R, TUD-R-V/AUD-R-V, TDD-R-V/ADD-R-V, TUY-R-V/AUY-R-V, and TDY-R-V/ADY-R-V central furnaces on the basis of the test procedures specified in 10 CFR Part 430, Subpart B, Appendix N, with the modification set forth below:

(i) Section 3.0 in Appendix N is deleted and replaced with the following paragraph:

3.0 Test Procedure. Testing and measurements shall be as specified in Section 9 in ANSI/ASHRAE 103-82 with the exception of Sections 9.2.2, 9.3.1, and 9.3.2, and the inclusion of the following additional procedures:

(ii) Add a new paragraph 3.10 in Appendix N as follows:

3.10 Gas- and Oil-Fueled Central Furnaces. After equilibrium conditions are achieved following the cool-down test and the required measurements performed, turn on the furnace and measure the flue gas temperature, using the thermocouple grid described above, at 0.5 and 2.5 minutes after the main burner(s) comes on. After the burner start-up, delay the blower start-up by

1.5 minutes (t-) unless: (1) the furnace employs a single motor to drive the power burner and the indoor air circulation blower, in which case the burner and blower shall be started together; or (2) the furnace is designed to operate using an unvarying delay time that is other than 1.5 minutes, in which case the fan control shall be permitted to start the blower; or (3) the delay time results in the activation of a temperature safety device which shuts off the burner, in which case the fan control shall be permitted to start the blower. In the latter case, if the fan control is adjustable, set it to start the blower at the highest temperature. If the fan control is permitted to start the blower, measure time delay (t-) using a stop watch. Record the measured temperatures. During the heat-up test for oil-fueled furnaces, maintain the draft in the flue pipe within  $\pm 0.01$  inch of water column of the manufacturer's recommended on-period draft.

This Interim Waiver is based upon the presumed validity of statements and all allegations submitted by the company. This Interim Waiver may be removed or modified at any time upon a determination that the factual basis underlying the application is incorrect.

The Interim Waiver shall remain in effect for a period of 180 days or until DOE acts on the Petition for Waiver, whichever is sooner, and may be extended for an additional 180-day period, if necessary.

The Department is publishing in the Federal Register the Petition for Waiver in its entirety. The Petition contains no confidential information. The Department is soliciting comments, data, and information respecting the Petition.

Sincerely,

Christine A. Ervin,  
*Assistant Secretary, Energy Efficiency and Renewable Energy.*

August 11, 1995.  
Hon. Christine Ervin,  
*Assistant Secretary, Energy Efficiency and Renewable Energy of DOE, 1000  
Independence Ave., S.W., Washington,  
DC 20585.*

Dear Hon. Ervin: This is to submit an Application for Interim Waiver and Petition for Waiver from the Department of Energy (DOE) test procedure, prescribed in 10 CFR Part 430, Subpart B, Appendix N for furnace products. The Waiver is regarding blower on-time delay on behalf of The Trane Co./American Standard Inc., in accordance with Title 10 CFR, Part 430.27. In addition to the central heating furnace series, to which you have granted a waiver to use 45 seconds blower on-time delay in lieu of 1.5 minute, as specified in the test procedures, we now have new furnace series which also require the use of 45 seconds time delay instead of 1.5 minutes. They are: TUD-C/AUD-C, TDD-C/ADD-C, TUD-R/AUD-R, TDD-R/ADD-R, TUD-R-V/AUD-R-V, TDD-R-V/ADD-R-V, TUY-R-Y/AUY-R-V, and TDY-R-V/ADY-R-V.

The above furnaces are equipped with a fan on-time control with a fixed time of 45 seconds. The current DOE test procedures do not credit Trane/American Standard for additional energy savings that are realized

when the shorter blower on-time 45 second is utilized. Test data for each model series indicates an average of 1% AFUE increase when the 45 second on-time delay is used. Copies of confidential test data supporting these energy savings will be forwarded to you upon request.

Trane/American Standard Inc. is confident that this petition for Waiver will be granted, and therefore, requests an Interim Waiver until the forthcoming final rule.

To this data, there are numerous central forced air furnace manufacturers to which similar waivers have been granted. Also the proposed ASHRAE 103.93 test standards under consideration by DOE covers the test requirement for fan on-time delay related to the Petition for Waiver.

Manufacturers that domestically market similar products have been sent a copy of the Petition and Application for Interim Waiver.

For your reference, attached is a copy of the letter from James T. VerShaw, dated August 27, 1993, and the letter from Mr. Frank M. Stewart, Jr., with which the previous application for an Interim Waiver was granted.

Sincerely,

Hongsik Ahn,

*Sr. Principal Engineer HA/nh Enclosures.*

August 27, 1993.

Assistant Secretary, Conservation and Renewable Resources,  
United States Department of Energy, 1000 Independence Ave. SW., Washington, D.C. 20585.

Gentlemen: This is a Petition for Waiver and Application for Interim Waiver submitted pursuant to Title 10 CFR, part 430.27. Waiver is requested from the furnace test procedure found in appendix N to Subpart B of Part 430.

The current procedure requires a 1.5 minute delay between burner and supply air blower startup. Trane is requesting the use of 45 seconds instead of 1.5 minutes when testing the following central furnace families incorporating a timed fan control with a fixed time of 45 seconds: TUC-C/AUC-A, TDC-C/ADC-C, TUX-C/AUX-C, TDX-C/ADX-C, TUE-A, TDE-A, FUA-A, and FCA-A. The current procedure does not credit Trane for additional energy savings that are realized when a shorter blower on time is utilized. Test data for each model series indicates an average of 1% AFUE increase when a 45 second timed on delay is used. Copies of confidential test data confirming these energy savings will be forwarded to you upon request.

Trane is confident that this petition for Waiver will be granted, and therefore, requests an Interim Waiver until the final ruling is made. Similar waivers have been granted to Evcon, Rheem Manufacturing, Carrier, Inter-City Products, and Lennox Industries. Also, the proposed ASHRAE 103-88 currently under consideration by DOE contains the coverage requested in the Petition for Waiver.

Manufacturers that domestically market similar products have been sent a copy of the Petition for Waiver and Application for Interim Waiver.

Sincerely,  
James T. VerShaw,  
*Manager, Design and Technology.*

Department of Energy,  
Washington, DC,  
October 1, 1993.  
Mr. James T. Ver Shaw,  
*Manager, Design and Technology, The Trane Company, 2231 East State Street, Trenton, NJ 08619.*

Dear Mr. Ver Shaw: This is in response to your August 27, 1993, Application for Interim Waiver and Petition for Waiver from the Department of Energy (DOE) test procedure regarding blower time delay for The Trane Company (Trane) TUC-C/AUC-A, TDC-C/ADC-A, TUX-C/AUX-C, TDX-C/ADX-C, TUE-A, TDE-A, FUA-A, and FCA-A central furnaces.

Previous waivers for this type of timed blower delay control have been granted by DOE to Coleman Company, 50 FR 2710, January 18, 1985; Magic Chef Company, 50 FR 41553, October 11, 1985; Rheem Manufacturing Company, 53 FR 48574, December 1, 1988, 56 FR 2920, January 25, 1991, 57 FR 10166, March 24, 1992, and 57 FR 34560, August 5, 1992; Trane Company, 54 FR 19226, May 4, 1989, 56 FR 6021, February 14, 1991, 57 FR 10167, March 24, 1992, and 57 FR 22222, May 27, 1992; Lennox Industries, 55 FR 50224, December 5, 1990, and 57 FR 49700, November 3, 1992; Inter-City Products Corporation, 55 FR 51487, December 14, 1990, and 56 FR 63945, December 6, 1991; DMO Industries, 56 FR 4622, February 5, 1991; Heil-Quaker Corporation, 56 FR 6019, February 14, 1991; Carrier Corporation, 56 FR 6018, February 14, 1991, and 57 FR 38830, August 27, 1992; Amana Refrigeration Inc., 56 FR 27958, June 18, 1991, 56 FR 63940, December 6, 1991, and 57 FR 23392, June 3, 1992; Snyder General Corporation, 56 FR 54960, September 9, 1991; Goodman Manufacturing Corporation, 56 FR 51713, October 15, 1991, and 57 FR 27970, June 23, 1992; the Ducane Company Inc., 56 FR 63943, December 6, 1991, and 57 FR 10163, March 24, 1992; Armstrong Air Conditioning, Inc., 57 FR 899, January 9, 1992, 57 FR 10160, March 24, 1992, 57 FR 10161, March 24, 1992, 57 FR 39193, August 28, 1992, and 57 FR 54230, November 17, 1992; Thermo Products, Inc., 57 FR 903, January 9, 1992; Consolidated Industries Corporation, 57 FR 22220, May 27, 1992; Evcon Industries, Inc., 57 FR 47847, October 20, 1992; and Bard Manufacturing Company, 57 FR 53733, November 12, 1992. Thus it appears likely that the Petition for Waiver will be granted for blower time delay.

Trane's Application for Interim Waiver does not provide sufficient information to evaluate what, if any, economic impact or competitive disadvantage Trane will likely experience absent a favorable determination on its application. However, in those instances where the likely success of the Petition for Waiver has been demonstrated, based upon DOE having granted a waiver for a similar product design, it is in the public interest to have similar products tested and rated for energy consumption on a comparable basis.

Therefore, Trane's Application for an Interim Waiver from the DOE test procedure

for its TUC-C/AUC-A, TDC-C/ADC-C, TUX-C/AUX-C, TDX-C/ADX-C, TUE-A, TDE-A, FUA-A, and FCA-A central furnaces regarding blower time delay is granted.

Trane shall be permitted to test its TUC-C/AUC-A, TDC-C/ADC-C, TUX-C/AUX-C, TDX-C/ADX-C, TUE-A, FUA-A, and FCA-A central furnaces on the basis of the test procedures specified in 10 CFR Part 430, Subpart B, Appendix N, with the modification set forth below:

(i) Section 3.0 in Appendix N is deleted and replaced with the following paragraph:

3.0 Test Procedure. Testing and measurements shall be as specified in Section 9 in ANSI/ASHRAE 103-82 with the exception of Sections 9.2.2, 9.3.1, and 9.3.2, and the inclusion of the following additional procedures:

(ii) Add a new paragraph 3.10 in Appendix N as follows:

3.10 Gas- and Oil-Fueled Central Furnaces. After equilibrium conditions are achieved following the cool-down test and the required measurements performed, turn on the furnace and measure the flue gas temperature, using the thermocouple grid described above, at 0.5 and 2.5 minutes after the main burner(s) comes on. After the burner start-up, delay the blower start-up by 1.5 minutes ( $t -$ ) unless: (1) the furnace employs a single motor to drive the power burner and the indoor air circulation blower, in which case the burner and blower shall be started together; or (2) the furnace is designed to operate using an unvarying delay time that is other than 1.5 minutes, in which case the fan control shall be permitted to start the blower; or (3) the delay time results in the activation of a temperature safety device which shuts off the burner, in which case the fan control shall be permitted to start the blower. In the latter case, if the fan control is adjustable, set it to start the blower at the highest temperature. If the fan control is permitted to start the blower, measure time delay ( $t -$ ) using a stop watch. Record the measured temperatures. During the heat-up test for oil-fueled furnaces, maintain the draft in the flue pipe within  $\pm 0.01$  inch of water column of the manufacturer's recommended on-period draft.

This Interim Waiver is based upon the presumed validity of statements and all allegations submitted by the company. This Interim Waiver may be removed or modified at any time upon a determination that the factual basis underlying the application is incorrect.

The Interim Waiver shall remain in effect for a period of 180 days or until DOE acts on the Petition for Waiver, whichever is sooner, and may be extended for an additional 180-day period, if necessary.

Sincerely,

Frank M. Stewart, Jr.,

*Acting Assistant Secretary Energy Efficiency and Renewable Energy.*

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