



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
REBECCA A. HUMPHRIES, Director

AIR QUALITY DIVISION
CONSTITUTION HALL, PO BOX 30260, LANSING, MI 48909
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**GENERAL PERMIT TO INSTALL FOR PROPANE OR NATURAL GAS-FIRED BOILERS
WITH A MAXIMUM RATED HEAT INPUT OF 100 MILLION BTU PER HOUR**

August 6, 2003
Revised April 20, 2005

SUMMARY

On July 31, 2003, the Michigan Department of Environmental Quality (Department), Air Quality Division (AQD) issued the attached general permit to install for propane or natural gas-fired boilers, including portable units, with a maximum rated heat input of 100 million Btu per hour. The general permit was issued pursuant to R 336.1201a of the Administrative Rules for Air Pollution Control (Rule 201a) and provides a streamlined permitting alternative for affected facilities which meet the specified applicability criteria. Prior to finalizing, the Department held a 30-day public comment period on the proposed general permit to install. The final permit incorporates changes to the proposed permit, in response to the comments that were received. The general permit has been revised and/or updated as follows:

- April 20, 2005 - revised to clarify the stack height requirement is from ground level to point of discharge and to incorporate the revised General Information form (EQP5727).

BACKGROUND

Rule 201a allows the Department to issue a general permit to install covering numerous similar stationary sources, processes or process equipment, after public notice and opportunity for public participation. The use of general permits provides a streamlined permitting alternative for processes that meet the following general criteria:

- a) The processes must produce the same or reasonably similar products.
- b) The processes must emit the same or similar air contaminants.
- c) The method for capturing and controlling the air contaminants must be the same or limited to a small number of specific alternatives.
- d) The processes must be subject to the same emission limitations, monitoring requirements, federal standards, or state rules.

A person who owns or operates a stationary source, process or process equipment that qualifies for a general permit to install approved by the Department, may apply for coverage under the terms and conditions of the general permit. Owners/operators who apply to the Department for coverage under the general permit to install must certify that the equipment they will be installing meets the necessary criteria for applicability and that they will comply with the special conditions of the permit. These conditions may include site restrictions, emission limits, material usage limits, process/operational limits, equipment requirements, monitoring, and/or recordkeeping requirements which are necessary to ensure that the equipment will operate in compliance with all applicable air pollution control rules. A person always has the option of applying for a case-by-case permit to install pursuant to Rule 201 if they are unable to comply with the conditions of the general permit to install.

Boilers are used for a variety of applications, such as providing process steam, providing hot water or steam for space heating, or generating high-temperature, high-pressure steam for producing electricity. Portable units are used on a temporary basis during maintenance or repairs of permanent units. The general permit to install may be used for one or more propane or natural gas-fired boilers, including portable units, each with a maximum rated heat input of 100 million Btu per hour. Use of the general permit limits the combined fuel use for all boilers, at a stationary source covered by the general permit, to 1400 million standard cubic feet per 12-month rolling time period. A properly operated low-NOx burner must also be used to meet the requirements of this general permit.

On June 26, 2003, the Department proposed the general permit to streamline the review of permit applications for these boilers, and to allow the affected facilities more operational flexibility. The Department held a comment period from June 26, 2003 to July 28, 2003 to receive comments on the proposed general permit. The Department received written comments during the comment period regarding the monitoring and recordkeeping requirements. The comments were reviewed by AQD staff and considered for the final version of this general permit. As a result of this review, the monitoring of fuel use was changed from a monthly basis to a daily basis.

This general permit to install is not intended to allow circumvention of the federal Prevention of Significant Deterioration (PSD) regulations as identified in 40 CFR 52.21. Propane or natural gas-fired boilers subject to the PSD regulations as a major modification are not intended to be covered by this general permit to install and must obtain a permit to install pursuant to R 336.1201 of the Administrative Rules for Air Pollution Control (Rule 201). The general permit may not be used for propane or natural gas-fired boilers proposed for installation as part of a larger project. Improperly permitted installation and/or operation may constitute cause for civil and/or criminal enforcement proceedings and fines as provided for under Act 451, and other applicable state and federal statutes. In addition affected units may also be subject to the Acid Rain provisions of Title IV of the Clean Air Act and the Renewable Operating Permit Program. Use of this general permit does not obviate the necessity of complying with these regulations and obtaining any necessary permits.

APPLICABLE REQUIREMENTS

The following state requirements are considered applicable to all sources, processes, or process equipment and are addressed in the General Conditions of the permit.

<u>Citation</u>	<u>Description</u>
R 336.1201a	State rule that gives the Department authority to issue a general permit to install.
R 336.1201(4)	State rule that gives the Department authority to void a permit.
R 336.1207(1)	State rule that gives the Department authority to deny a permit.
R 336.1219	State rule that requires written notification of change of ownership.
R 336.1301	State rule that sets the standards for density of particulate emissions.
R 336.1370	State rule that requires the proper disposal of collected air contaminants.
R 336.1901	State rule that prohibits the emission of air contaminants, which interfere with the enjoyment of life and property and/or has injurious effects to health or safety.
R 336.1910	State rule that requires a pollution control device be operated properly.
R 336.1912	State rule that requires notice of abnormal conditions or malfunctions, which result in emissions in excess of the standards.
R 336.2001, 2003, 2004	State rules that allow the Department to request performance testing, and specify how the test should be conducted.

The following state and federal requirements are considered to be applicable to propane or natural gas-fired boilers with a maximum rated heat input of 100 million Btu per hour and were considered in the development of the general permit to install. These requirements are addressed in the Special Conditions of the permit.

<u>Citation</u>	<u>Description</u>
R 336.1205	State rule that requires enforceable emission limits as a practical matter.
R 336.1224	State rule that applies to sources of air toxics. This rule requires Best Available Control Technology for toxics (T-BACT) be applied to sources emitting air toxics, and requires that emissions from the process meet the allowed impact levels. In the case of a propane or natural gas-fired boiler proposed to be covered by this general permit to install, limiting the type and amount of fuel burned, and restricting the Nitrogen Oxide (NOx) emission rate is considered T-BACT.
R 336.1225	State rule that prohibits the emissions of a Toxic Air Contaminant (TAC) in excess of a rate that results in a maximum ambient impact which is more than a health-based screening level. Based on MDEQ experience, a propane or natural gas-fired boiler meeting the fuel use limits with a minimum stack height of one and one half times the building height (from ground level to point of discharge), meets the requirements of this rule. However, in the event that evidence indicates a failure to meet the requirements of Rule 225, the Department maintains the authority to require corrective action pursuant to Rule 901.
40 CFR Part 52.21(c) & (d)	Federal Prevention of Significant Deterioration (PSD) of Air Quality and the National Ambient Air Quality Standards (NAAQS).
40 CFR Part 60 Subparts A & Dc	Federal New Source Performance Standards (NSPS) for Small Industrial-Commercial-Institutional Steam Generating Units with a maximum design heat input capacity of 100 million Btu per hour or less, but greater than or equal to 10 million Btu per hour, for which construction is commenced after June 9, 1989 and General Provisions for monitoring, recording, and reporting of emissions and operating information.

APPLICABILITY CRITERIA

To qualify for the general permit to install, based on the listed applicable requirements, each propane or natural gas-fired boiler must meet the following criteria:

- The general permit to install shall apply to propane or natural-gas fired boilers used for electric generation, industrial or commercial use, each with a maximum rated heat input of 100 million Btu per hour. The boiler(s) may not burn or process slag, asbestos tailings, asbestos containing waste materials or medical waste materials.
- Nitrogen oxide (NOx) emissions shall not exceed 0.05 pound of NOx per million Btu of heat input.
- A properly operated low-NOx burner must be used to meet the requirements of this general permit. A demonstration that the low-NOx burner can meet the emission limit must be submitted with the application. (i.e., manufacturer's guarantee, test data, etc.)
- The exhaust from each propane or natural gas-fired boiler must be located a minimum of 50 feet from the nearest property line and 150 feet from any residential or commercial establishment or place of public assembly.
- The exhaust gases from the propane or natural gas-fired boiler(s) shall be discharged unobstructed vertically upwards to the ambient air from stack(s) with an exit point not less than one and one half times the building height (from ground level to point of discharge).
- The total combined fuel use for all propane or natural gas-fired boilers covered by this general permit shall not exceed 1400 million standard cubic feet per 12-month rolling time period.
- The general permit to install may be used for multiple propane or natural gas-fired boilers at a given stationary source. A separate Process Information form (EQP5783) must be completed for each boiler. Each boiler must meet the criteria set forth in this general permit to install and must comply with all terms and conditions of this general permit.

- The facility shall have no outstanding unresolved violations of any of the Michigan Department of Environmental Quality Air Pollution Control rules, orders, or permits; or Federal air quality regulations.
- The general permit shall not apply to a source, process or process equipment that is included in an existing permit to install pursuant to Rule 201 and is further referenced in an outstanding consent order or consent judgment.

PERMIT CONDITIONS

The general permit to install must be consistent with the permit content requirements of Rule 205(1)(a). This rule requires that if a permit to install includes limitations which restrict the potential to emit of a stationary source, process, or process equipment to a quantity below that which would constitute a major source, the permit shall contain emission limits that are enforceable as a practical matter.

Attachment A lists the terms and special conditions of the general permit to install. These terms and conditions prescribe the applicable emission limits, material usage limits, process/operational limits, testing requirements, monitoring requirements, recordkeeping requirements, and stack restrictions which are necessary to ensure that a propane or natural gas-fired boiler subject to a general permit will comply with all state and federal applicable requirements.

EMISSIONS

Emissions from propane or natural gas-fired boilers are a result of the burning of fuel and products of incomplete combustion. Annual emission rates of criteria pollutants, toxic air contaminants (TACs) and the federally regulated hazardous air pollutants (HAPs) were calculated using an emission limit of 0.05 pound of NOx emitted per million Btu heat input and established emission factors for natural gas as developed by the U.S. Environmental Protection Agency (USEPA). These annual emissions were based on one or more boilers burning no more than a total of 1400 million standard cubic feet of fuel per 12-month rolling time period and are based on a 12-month rolling time period as determined as the end of each calendar month.

Maximum Expected Emissions

Criteria Pollutants	Annual Emissions (tpy)
NOx	35.0
Carbon Monoxide (CO)	58.8
Particulate (total)	5.3
Sulfur Dioxide (SO ₂)	0.4
Volatile Organic Compounds	3.8
Hazardous Air Pollutants (HAPs)	
Benzene	0.0015
Formaldehyde	0.05

AMBIENT AIR IMPACTS

Operation of propane or natural gas-fired boilers under the terms and conditions of the general permit to install will have minimal impact on the ambient air. Dispersion modeling was performed for a large uncontrolled boiler burning 4488 million standard cubic feet of natural gas. The modeling parameters included a 50 foot stack and an exhaust flow of 15,000 actual cubic feet per minute. The following tables summarize the impacts of the maximum expected emission rates from this larger combustion source. The dispersion modeling results show that the Predicted Ambient Impacts (PAI) will not exceed the applicable National Ambient Air Quality Standards (NAAQS) for the criteria pollutants, nor consume more than 80% of the allowable increments specified in the federal regulations. The PAI for

emissions of benzene and formaldehyde are also acceptable. The PAI from propane or natural gas-fired boilers operating under the general permit will be less than the table values because the 12-month rolling time period fuel use is limited to 1400 million standard cubic feet of propane or natural gas and the boiler(s) must use low-NOx burners to control emissions.

Criteria Pollutants Dispersion Modeling Results

Pollutant	PSD Increments (ug/m ³)	NAAQS Criteria (ug/m ³)	Averaging time	PAI (ug/m ³)
CO	NA	40,000	1-hour	317.17
CO	NA	10,000	8-hour	170.42
SO ₂	409.6	1300	3-hour	1.86
SO ₂	72.8	365	24-hour	0.90
SO ₂	16.0	80	Annual	0.04
PM-10	24.0	150	24-hour	11.41
PM-10	13.6	50	Annual	0.51
NOx	20	100	Annual	6.66
Lead	NA	1.5	Quarterly	0.000008

Toxic Air Contaminants Dispersion Modeling Results

Pollutant	Acceptable Impact (ug/m ³)	Basis*	Averaging Time	PAI (ug/m ³)
Benzene	1.0	IRSL=0.1 ug/m ³	Annual	0.00014
Formaldehyde	0.8	IRSL=0.08 ug/m ³	Annual	0.005

*Initial Risk Screening Level as defined in R 336.1109(d)

APPLICATION FOR A GENERAL PERMIT

If the owner/operator of a propane or natural gas-fired boiler decides to install and operate the process under the terms of this general permit to install, then it is the responsibility of the owner/operator to apply to the Department for coverage under the general permit. Installation of equipment prior to granting of a permit to install, including a general permit to install, is a violation of Rule 201.

Application forms, which include all information necessary to determine qualification for and to ensure compliance with the general permit to install, are attached. The final forms are also available on the Internet or may be obtained by contacting the Permit Section at 517-335-4607. The Air Quality Permit Web Page is located at <http://www.deq.state.mi.us/aps>.

The owner/operator shall submit the completed application forms to the AQD Permit Section. Upon receipt, Permit staff will review the application for completeness. The general permit to install for a propane or natural gas-fired boiler will be granted by the Department to qualifying sources, processes or process equipment, within 30 days of receipt of a complete application. The AQD will mail to the facility, a copy of the general permit to install and a letter acknowledging that the facility owner/operator intends to install and operate the propane or natural gas-fired boiler in accordance with the terms and conditions of the general permit. The Department will maintain and make available to the public, upon request, a list of the persons that have been authorized to install and operate a stationary source, process or process equipment pursuant to each general permit to install issued by the Department.

**ATTACHMENT A
GENERAL CONDITIONS**

1. The process or process equipment covered by this general permit to install shall not be reconstructed, relocated, or modified unless a Permit to Install pursuant to Rule 201 authorizing such action is issued by the Department, or an application for coverage under a General Permit to Install pursuant to Rule 201a, is submitted to and approved by the Department. For the purpose of a general permit to install, the permittee is defined as any person who owns or operates a process or process equipment at the source for which coverage under the general permit has been granted.
2. Operation of any process or process equipment shall not result in the emission of an air contaminant which causes injurious effects to human health or safety, animal life, plant life of significant economic value, or property, or which causes unreasonable interference with the comfortable enjoyment of life and property. **(R 336.1901)**
3. Operation of this equipment shall not interfere with the attainment or maintenance of the air quality standard for any air contaminant. **(R 336.1207(1)(b))**
4. The permittee shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant which continue for more than one hour in excess of any applicable standard or limitation, or emissions of any air contaminant continuing for more than two hours in excess of an applicable standard or limitation, as required in Rule 912, to the Department. The notice shall be provided not later than two business days after start-up, shutdown, or discovery of the abnormal condition or malfunction. Written reports, if required, must be filed with the Department within 10 days after the start-up or shutdown occurred, within 10 days after the abnormal conditions or malfunction has been corrected, or within 30 days of discovery of the abnormal conditions or malfunction, whichever is first. The written reports shall include all of the information required in Rule 912(5).
5. Coverage under this general permit to install does not exempt the permittee from complying with any future regulation, which may be promulgated under Part 55 of 1994 PA 451.
6. Coverage under this general permit to install does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.
7. The permittee shall notify any public utility of any excavation, tunneling and discharging of explosives or demolition of buildings which may affect said utility's facilities in accordance with Act 53 of the Public Acts of 1974, being sections 460.701 to 460.718 of the Michigan Compiled laws and comply with each of the requirements of that Act.
8. The restrictions and conditions of this general permit to install shall apply to any person or legal entity which now or shall hereafter own or operate the equipment for which coverage under this general permit to install is issued. A written request to the Department for a change in ownership or operational control of the process or process equipment shall be made pursuant to Rule 219.
9. If the installation of the equipment for which coverage under this general permit to install has been issued, has not commenced within, or has been interrupted for, 18 months, then the general permit to install shall become void unless otherwise authorized by the Department as a condition of the permit. Furthermore, the permittee shall notify the Department via the Supervisor, Permit Section, Air Quality Division, Michigan Department of Environmental Quality, P.O. Box 30260, Lansing, Michigan 48909, if it is decided not to pursue the installation or construction of the equipment allowed by this general permit to install. **(R 336.1201(4))**

10. Except as provided in subrules (2) and (3) or unless the special conditions of the general permit to install include an alternate opacity limit established pursuant to subrule (4) of R 336.1301, the permittee shall not cause or permit to be discharged into the outer air from a process or process equipment a visible emission of a density greater than the most stringent of the following. The grading of visible emissions shall be determined in accordance with R 336.1303. **(R 336.1301(1))**
 - a) A six-minute average of 20 percent opacity, except for one six-minute average per hour of not more than 27 percent opacity.
 - b) A visible emission limit specified by an applicable federal new source performance standard.
 - c) A visible emission limit specified as a condition of this general permit to install.
11. Collected air contaminants shall be removed as necessary to maintain the equipment at the required operating efficiency. The collection and disposal of air contaminants shall be performed in a manner so as to minimize the introduction of contaminants to the outer air. Transport of collected air contaminants in Priority I and II areas requires the use of material handling methods specified in R 336.1370(2). **(R 336.1370)**
12. The Department may require the permittee to conduct acceptable performance tests, at the permittee's expense, in accordance with R 336.2001 and R 336.2003, under any of the conditions listed in R 336.2001. **(R 336.2001)**
13. Any required testing protocol shall conform to a format acceptable to the AQD. **(R 336.2003(1))**
14. Any required test results, which must be submitted to the AQD, shall conform to a format acceptable to the AQD. **(R 336.2001(4))**
15. Any air cleaning device shall be installed, maintained, and operated in a satisfactory manner and in accordance with the Michigan Air Pollution Control rules and existing law. **(R 336.1910)**
16. For a stationary source that becomes a major source, as defined by R 336.1211(1)(a), upon receipt of approval for coverage under this general permit to install, an administratively complete application for a renewable operating permit shall be submitted not more than 12 months after the stationary source commences operation as a major source. Commencing operation as a major source occurs upon commencement of trial operation of the new or modified process or process equipment that increased the potential to emit of the stationary source to more than or equal to the applicable major source definition specified in R 336.1211(1)(a).
17. For a stationary source that is already a major source with an existing renewable operating permit, the source shall notify the Department of the installation of the process or process equipment covered by this general permit, pursuant to R 336.1215(3) or apply for a modification pursuant to R 336.1216(2) prior to commencing operation. The notification or application to modify the renewable operating permit shall be made using a form approved by the Department.

**ATTACHMENT A
SPECIAL CONDITIONS**

Flexible Group Identification

Flexible Group ID	Emission Unit(s)Included in Group - Description
FGBOILERS	One or more propane or natural gas-fired boilers, each with a maximum rated heat input of 100 million Btu per hour, and each controlled by a low-NOx burner.
Changes to the equipment described in this table are subject to the requirements of R 336.1201, except as allowed by R 336.1278 to R 336.1290.	

The following conditions apply to: FGBOILERS

Emission Limits

	Pollutant	Limit	Time Period	Equipment	Testing/ Monitoring Method	Applicable Requirement
1.1a	NOx	0.05 lb per MM Btu	Test Method	FGBOILERS	SC 1.5, SC 1.8	R 336.1205(1)(a))

Material Usage Limits

- 1.2 The permittee shall burn only propane or natural gas in FGBOILERS. **(R 336.1205(1)(a))**
- 1.3 The fuel use for FGBOILERS covered by this general permit shall not exceed 1400 million standard cubic feet per 12-month rolling time period as determined at the end of each calendar month. **(R 336.1224, R 336.1225, R 336.1205(1)(a))**

Process/Operational Limits

- 1.4 The permittee shall operate FGBOILERS in accordance with manufacturer's recommendations for safe and proper operation to minimize emissions during periods of startup, shutdown and malfunction. **(R 336.1912)**

Testing

- 1.5 Verification of the NOx emission limit (0.05 pound of NOx emitted per million Btu of heat input), by testing at owner's expense, in accordance with Department requirements may be required. No less than 60 days prior to testing, a complete test plan shall be submitted to the AQD. The final plan must be approved by the AQD prior to testing. Verification of the emission factor includes the submittal of a complete report of the test results to the AQD within 60 days following the last date of the test. **(R 336.1205(1)(a), R 336.2001, R 336.2003, R 336.2004)**

Monitoring

- 1.6 The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor and record the fuel use for FGBOILERS on a daily basis. **(R 336.1205(1)(a))**

Recordkeeping/Reporting/Notification

- 1.7 The permittee shall keep, in a satisfactory manner, daily, monthly and 12-month rolling time period fuel use records for FGBOILERS. The records must indicate the total amount of fuel used in FGBOILERS. All records shall be kept on file for a period of at least five years and made available to the Department upon request. **(R 336.1205(1)(a), 40 CFR 60.48c (g))**

- 1.8 The permittee shall keep on file, a demonstration that the low-NOx burner is designed to emit no more than 0.05 pound of NOx per million Btu of heat input. (i.e., manufacturer's guarantee, test data, etc.) **(R 336.1205(1)(a))**
- 1.9 The permittee shall submit the following notifications to the AQD District Supervisor in accordance with 40 CFR 60.48c: **(40 CFR Part 60 Subparts A & Dc)**
 - a) A notification of the date when construction was commenced, submitted no later than 30 calendar days after such date.
 - b) A notification of the actual date of startup of the source, submitted within 30 calendar days after such date.
- 1.10 The permittee shall keep, in a satisfactory manner, records of the date, duration, and description of any malfunction of the control equipment, any maintenance performed and any testing results for FGBOILERS. All records shall be kept on file for a period of at least five years and made available to the Department upon request. **(R 336.1702(a), R 336.1910)**

Stack/Vent Restrictions

- 1.11 The exhaust gases from FGBOILERS shall be discharged unobstructed vertically upwards to the ambient air from stack(s) with an exit point not less than one and one half times the building height (from ground level to point of discharge). **(R 336.1225, 40 CFR 52.21 (c) & (d))**

Miscellaneous/Allowed Modification

- 1.12 The permittee shall not replace or modify FGBOILERS, or any portion of FGBOILERS, including control equipment, unless all of the following conditions are met: **(R 336.1201a(1))**
 - a) The permittee shall update the general permit by submitting a new Process Information Form (EQP5783) to the Permit Section and District Supervisor, identifying the existing and new equipment a minimum of 10 days before the equipment is replaced or modified.
 - b) The permittee shall continue to meet all general permit to install applicability criteria after the replacement or modification is complete.
 - c) The permittee shall keep records of the date and description of the replacement or modification.



Michigan Department Of Environmental Quality - Air Quality Division

**GENERAL PERMIT TO INSTALL APPLICATION
GENERAL INFORMATION**

FOR DEQ USE ONLY
PERMIT NUMBER

Authorized under 1994 PA 451, as amended. Completion of form is required. Applicant may be subject to civil and/or criminal penalties for providing false information.

Instructions: Use this form to request authority to install and operate a source, process or process equipment under the terms and conditions of a general permit to install pursuant to Rule 201a. Prepare this form, the appropriate Process Information form(s) and the Additional Information form (if needed). Submit all information, including forms, in duplicate. **NOTE:** A general permit does not apply to a source, process, or process equipment that is included in a Permit to Install pursuant to Rule 201 and that is further referenced in an outstanding consent order or consent judgment.

1. FACILITY CODES		
State Registration Number (SRN):	<input type="text"/>	Standard Industrial Classification (SIC) (4-digit) OR North American Industry Classification System (NAICS) - (Preferred) <input type="text"/>
2. APPLICANT NAME <i>(Business license name of the corporation, partnership, individual or government agency that owns the facility)</i>		
3. APPLICANT MAILING ADDRESS <i>(Street Address or P.O. Box Number)</i>		
CITY	STATE	ZIP CODE
4. AUTHORIZED EMPLOYEE	TITLE	PHONE NO. <i>(Include Area Code)</i>
5. CONTACT <i>(If different than Authorized Employee, for questions regarding this application)</i>		PHONE NO. <i>(Include Area Code)</i>
6. EQUIPMENT OR PROCESS LOCATION <i>(Number and street, if different than mailing address)</i>		
CITY	ZIP CODE	COUNTY
7. THE EQUIPMENT IDENTIFIED IN THE APPLICATION IS <input type="checkbox"/> NEW <input type="checkbox"/> EXISTING - DATE INSTALLED:		
8. IS THERE AN EXISTING PERMIT TO INSTALL FOR ANY EQUIPMENT IDENTIFIED IN THIS APPLICATION? PERMIT TO INSTALL NUMBER(S)		<input type="checkbox"/> YES <input type="checkbox"/> NO
9. IS ANY OF THE EQUIPMENT INCLUDED IN AN OUTSTANDING CONSENT ORDER OR CONSENT JUDGMENT?		<input type="checkbox"/> YES <input type="checkbox"/> NO
10. THE FOLLOWING FORMS ARE ATTACHED AS PART OF THIS PERMIT APPLICATION <i>(check all that apply)</i>		
<input type="checkbox"/> PROCESS INFORMATION (EQP _____) <i>(Complete the appropriate form for the process or equipment to be installed and insert the form number in the space provided.)</i>		
<input type="checkbox"/> ADDITIONAL INFORMATION (EQP5729)		

Applicant Certification: I certify, under penalty of law, that this permit application and any attachments were prepared by me, or under my direction or supervision in accordance with a system to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. In addition, the equipment described in this application meets the necessary criteria for applicability for a General Permit to Install. Furthermore, I certify that I can and will comply with all conditions outlined in the General Permit to Install. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for known violations.

SIGNATURE OF AUTHORIZED EMPLOYEE <i>(Person identified in item 4)</i>	DATE
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Submit completed application and all attachments to:

**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION - PERMIT SECTION
P.O. BOX 30260
LANSING, MI 48909-7760**

DEQ USE ONLY - DO NOT WRITE BELOW	
DATE APPLICATION COMPLETE	
DATE GENERAL PERMIT TO INSTALL GRANTED	SIGNATURE
DATE GENERAL PERMIT TO INSTALL VOIDED	SIGNATURE



Michigan Department Of Environmental Quality - Air Quality Division

**GENERAL PERMIT TO INSTALL APPLICATION
PROCESS INFORMATION – PROPANE OR NATURAL GAS-FIRED BOILER**

FOR DEQ USE ONLY

PERMIT NUMBER

Authorized under 1994 PA 451, as amended. Completion of form is required. Applicant may be subject to civil and /or criminal penalties for providing false information.

Instructions: Use this form to request authority to install and operate a propane or natural gas-fired boiler with a maximum rated heat input of 100 million Btu per year, under the terms and conditions of a general permit to install pursuant to Rule 201a. Complete a separate copy of this form for each boiler to be covered by the general permit. Prepare and submit this form with the General Information form (EQP5727). **For a Modification:** Complete and certify this form and submit to the Permit Section and the District Supervisor. Clearly describe and identify all existing and new or additional equipment in Item No. 2.

1. FACILITY CODE

STATE REGISTRATION NUMBER (SRN)

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2. DESCRIPTION (Include the manufacturer, model, and purpose for the boiler.)

3. DOES THIS SOURCE HAVE AN EXISTING RENEWABLE OPERATING PERMIT?

 YES, RENEWABLE OPERATING PERMIT NUMBER: NO NOT APPLICABLE APPLICATION SUBMITTED, APPLICATION NUMBER:

Instructions for completing Items 4 and 5: The boiler and associated stack/vent should be linked, by assigning each a unique identification number (ID). The ID may be any combination of up to 10 letters, numbers or keyboard characters with no spaces between characters. If this equipment already has an ID assigned from a previous Permit to Install or Renewable Operating Permit, please use the existing ID. If Items 4 and 5 are left blank, IDs will be assigned by the AQD.

4. EMISSION UNIT ID (Assign an identification number for the boiler)

EU

5. STACK/VENT ID (Assign an identification number for the stack/vent)

SV

6. NUMBER OF BOILERS TO BE COVERED BY THIS GENERAL PERMIT (A separate copy of this form is required for each boiler. Use of the general permit limits combined fuel use, for all boilers at a stationary source covered by the general permit, to 1400 million standard cubic feet per 12-month rolling time period.)

PROCESS INFORMATION

7. MAXIMUM HEAT INPUT RATE IN MILLION BTU PER HOUR (A boiler with a maximum design heat input capacity of 100 million Btu per hour or less, but greater than or equal to 10 million Btu per hour, is subject to New Source Performance Standards (NSPS) Subpart Dc. Notification and Recordkeeping requirements in the Special Conditions are applicable.)

8. MAXIMUM ANNUAL FUEL USE FOR THIS BOILER IN MILLION STANDARD CUBIC FEET (MM SCF) PER YEAR

9. MAXIMUM ANNUAL FUEL USE FOR ALL BOILERS COVERED BY THIS GENERAL PERMIT MM SCF PER YEAR

10. IS THIS BOILER EQUIPPED WITH A LOW-NO_x BURNER? YES NO11. IS THE LOW-NO_x BURNER DESIGNED TO LIMIT NO_x EMISSIONS TO 0.05 POUND PER MILLION BTU HEAT INPUT? (A demonstration that the low-NO_x burner meets this design parameter must be submitted with the application.) YES NO**STACK INFORMATION**

12. IS THE EXHAUST DISCHARGED UNOBSTRUCTED VERTICALLY UPWARD FROM A STACK?

 YES NO

13. IS THE STACK HEIGHT AT LEAST 1.5 TIMES THE BUILDING HEIGHT? (From ground level to point of discharge.)

 YES NO

14. IS THE EXHAUST LOCATED A MINIMUM OF 50 FEET FROM THE NEAREST PROPERTY LINE AND 150 FEET FROM ANY RESIDENTIAL OR COMMERCIAL ESTABLISHMENT OR PLACE OF PUBLIC ASSEMBLY?

 YES NO

Applicant Certification: I certify, under penalty of law, that this permit application and any attachments were prepared by me, or under my direction or supervision in accordance with a system to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. In addition, the equipment described in this application meets the necessary criteria for applicability for a General Permit to Install. Furthermore, I certify that I can and will comply with all conditions outlined in the General Permit to Install. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for known violations.

SIGNATURE OF AUTHORIZED EMPLOYEE

DATE