



# Minnesota Pollution Control Agency

Air Individual Permit  
Major Amendment  
00300245-003

Permittee: BAE Technology Center

Facility name: BAE Technology Center  
4800 East River Road  
Fridley, MN 55421  
Anoka County

Operating permit issuance date: April 8, 2010

Expiration date: Non-expiring\*

\* All Title I Conditions do not expire

Major Amendment: January 20, 2016

Permit characteristics: State; Nonmajor for Part 70/ True minor for NSR; True Minor for NSR

Each new or revised condition designated "Title I Condition: SIP for SO<sub>2</sub>" is not effective or enforceable until approved by U.S. Environmental Protection Agency (EPA) as a State Implementation Plan (SIP) revision under Title I of the Clean Air Act.

The emission units, control equipment and emission stacks at the stationary source authorized in this permit amendment are as described in the Permit Applications Table.

This permit amendment supersedes Air Emission Permit No. 00300245-002, and authorizes the Permittee to operate and modify the stationary source at the address listed above unless otherwise noted in the permit. The Permittee must comply with all the conditions of the permit. Any changes or modifications to the stationary source must be performed in compliance with Minn. R. 7007.1150 to 7007.1500. Any additions or changes to conditions incorporated into SIP under 40 CFR § 52.1220, designated "Title I: SIP for SO<sub>2</sub>" must go through the federal SIP approval process before becoming effective. Terms used in the permit are as defined in the state air pollution control rules unless the term is explicitly defined in the permit.

Unless otherwise indicated, all the Minnesota rules cited as the origin of the permit terms are incorporated into the SIP under 40 CFR § 52.1220 and as such as are enforceable by the EPA Administrator or citizens under the Clean Air Act.

Signature: **Steven S. Pak**

*This document has been electronically signed.*  
for Don Smith, P.E., Manager  
Air Quality Permits Section  
Industrial Division

for the Minnesota Pollution Control Agency

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1. Permit applications table

Subsequent permit applications:

Title description	Application receipt date	Action number
State Permit	7/17/2007	00300245-001
Administrative Amendment	4/17/2014	00300245-002
Major Amendment	7/21/2015	00300245-003
Minor Amendment	4/28/2015	00300245-003
Administrative Amendment	12/23/2015	00300245-003

## 2. Where to send submittals

Send submittals that are required to be submitted to the U.S. EPA regional office to:

Chief Air Enforcement  
Air and Radiation Branch  
EPA Region V  
77 West Jackson Boulevard  
Chicago, Illinois 60604

Each submittal must be postmarked or received by the date specified in the applicable Table. Those submittals required by Minn. R. 7007.0100 to 7007.1850 must be certified by a responsible official, defined in Minn. R. 7007.0100, subp. 21. Other submittals shall be certified as appropriate if certification is required by an applicable rule or permit condition.

Send submittals that are required by the Acid Rain Program to:

U.S. Environmental Protection Agency  
Clean Air Markets Division  
1200 Pennsylvania Avenue NW (6204N)  
Washington, D.C. 20460

Send any application for a permit or permit amendment to:

Fiscal Services – 6<sup>th</sup> Floor  
Minnesota Pollution Control Agency  
520 Lafayette Road North  
St. Paul, Minnesota 55155-4194

Also, where required by an applicable rule or permit condition, send to the Permit Document Coordinator notices of:

- a. Accumulated insignificant activities
- b. Installation of control equipment
- c. Replacement of an emissions unit, and
- d. Changes that contravene a permit term

Unless another person is identified in the applicable Table, send all other submittals to:

AQ Compliance Tracking Coordinator  
Industrial Division  
Minnesota Pollution Control Agency  
520 Lafayette Road North  
St. Paul, Minnesota 55155-4194

### 3. Facility description

The BAE Technology Center (Facility) is located at 4800 East River Road in Fridley, MN, Anoka County, Minnesota.

GPT Fridley Owner LLC (Permittee) owns and operates boilers and emergency generators in the city of Fridley, which was part of the purchase agreement, dated July 10, 2013, between ELT Minneapolis LLC and Fridley Land LLC and subsequent purchase agreement, dated July 22, 2015, between Fridley Land LLC and GPT Fridley Owner LLC. The facility was previously used for manufacturing operations and supplied heat and steam as permitted under Air Emissions Permit No. 00300020-001 (United Defense, L.P. Armament Systems Division). The facility now is an office and warehouse space which uses the boilers to provide heat for the office and warehouse workers. The emergency generators are used for stand-by power for both life-safety and communications in the event that electrical power is lost to the site.

This permit is a Joint Title I/Title V Federally Enforceable State Operating Permit, as it includes non-expiring Title I Conditions to implement the State Implementation Plan (SIP), pursuant to 40 CFR pt. 50, 40 CFR pt. 51, 40 CFR § 52.1220, Minn. R. 7007.0100, subp. 25(B), and Minn. R. 7007.1050, subp. 4.

The emissions of concern from the facility are sulfur dioxide (SO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>). The emissions from the facility are below major source thresholds such that the facility is classified as a non-major source under the federal Operating Permit Program (40 CFR pt. 70) and a non-major source under federal New Source Review regulations (40 CFR § 52.21). The facility is an area source under federal National Emission Standards for Hazardous Air Pollutants (40 CFR pt. 63).

4. Summary of subject items

SI ID: Description	Relationship Type	Related SI ID: Description
ACTV 1: Insignificant Activities		
EQUI 1: Boiler No. 4	sends to	STRU 8: Boiler No. 4
EQUI 2: Standby Generator-Sub 3(W)	sends to	STRU 10: Cummins Standby Gen - Sub 3W
EQUI 3: Standby Generator-Sub 3(E)	sends to	STRU 11: Cummins Standby Gen - Sub 3E
EQUI 9: Boiler No. 5	sends to	STRU 9: Boiler No. 5
EQUI 10: Emergency Fire Pump	sends to	STRU 12: Emergency Fire Pump
STRU 8: Boiler No. 4		
STRU 9: Boiler No. 5		
STRU 10: Cummins Standby Gen - Sub 3W		
STRU 11: Cummins Standby Gen - Sub 3E		
STRU 12: Emergency Fire Pump		
TFAC 1: BAE Technology Center		

5. Limits and other requirements

Subject Item	Sec.SI.Reqt	SI des:SI desc	Requirement & Citation
TFAC 1	00300245	BAE Technology Center	
	5.1.1		<p>ACTIVITIES NOT REQUIRING A MODIFICATION TO THE SIP:            The Permittee is authorized to make changes to the facility without obtaining a modification to the SIP as long as the change does not do or result in any of the following:</p> <ol style="list-style-type: none"> <li>1. An exceedance of the limitations at which sulfur dioxide is emitted from any emission unit at the facility; and</li> <li>2. A physical change of the equipment that affects the stack parameters described in Appendix B. [Title I Condition: 40 CFR 50.4(SO2 SIP), Title I Condition: 40 CFR 51, Title I Condition: 40 CFR pt. 52, subp. Y]</li> </ol>
	5.1.2		<p>ACTIVITIES REQUIRING A MODIFICATION TO THE SIP:            Activities requiring a modification of the SIP prior to the Permittee commencing the activity include, but are not limited to, the following:</p> <ol style="list-style-type: none"> <li>1. Any decrease in the design and/or maximum stack gas volumetric flow rate below that contained in Appendix B;</li> <li>2. Any decrease in the design and/or maximum stack gas exit temperature below that contained in Appendix B;</li> <li>3. Any reduction in stack height below that contained in Appendix B;</li> <li>4. Any increase in stack exit diameter above that contained in Appendix B; and</li> <li>5. Any construction or modification of structures that increase the effective structural dimensions. [Title I Condition: 40 CFR 50.4(SO2 SIP), Title I Condition: 40 CFR 51, Title I Condition: 40 CFR pt. 52, subp. Y]</li> </ol>
	5.1.3		<p>Construction and Operation of SIP Emission Unit: The Permittee may begin actual construction of a new emission unit or modification to existing emission unit upon permit issuance. However, the Permittee shall not operate any new emission unit or modified emission unit until any required SIP amendment is approved by U.S. EPA. [Title I Condition: 40 CFR 50.4(SO2 SIP), Title I Condition: 40 CFR 51, Title I Condition: 40 CFR pt. 52, subp. Y]</p>
	5.1.4		<p>General Operating and Maintenance Requirements for the SIP:            The Permittee shall operate and maintain the process equipment described in Appendix B according to the parameters set forth in Appendix B. The parameters were used in the computer modeling performed to demonstrate that the SO2 maintenance area will attain compliance with the SO2 NAAQS. [Title I Condition: 40 CFR 50.4(SO2 SIP), Title I Condition: 40 CFR 51, Title I Condition: 40 CFR pt. 52, subp. Y]</p>

Subject Item	Sec.SI.Reqt	SI des:SI desc	Requirement & Citation
	5.1.5		<p>Non-Permanent Records for SIP: The Permittee shall retain all records at the facility for a minimum of six (6) years following the date of the required monitoring, sample, measurement, or report that corresponds with the SIP Title I Condition. All required documents, records, reports and plans in a form suitable for determination of the facility's compliance with the SIP by EPA or MPCA staff. The Permittee shall maintain the information at the facility in files which are easily accessible of inspections by EPA or MPCA staff, and are available for inspection. [Title I Condition: 40 CFR 50.4(SO2 SIP), Title I Condition: 40 CFR 51, Title I Condition: 40 CFR pt. 52, subp. Y]</p>
	5.1.6		<p>Reporting: The Permittee may undertake certain changes to the facility without obtaining a modification to the SIP. However, if the Permittee does make a change, and if the change in any way affects SO2 emissions, the Permittee shall notify the Commissioner in writing at least 30 days prior to undertaking the change. The notification shall describe the change and why it does not require a modification to the SIP. [Title I Condition: 40 CFR 50.4(SO2 SIP), Title I Condition: 40 CFR 51, Title I Condition: 40 CFR pt. 52, subp. Y]</p>
	<del>5.1.7</del>		<p><del>The Permittee shall comply with National Primary and Secondary Ambient Air Quality Standards, 40 CFR pt. 50, and the Minnesota Ambient Air Quality Standards, Minn. R. 7009.0010 to 7009.0080. Compliance shall be demonstrated upon written request by the MPCA. [Minn. R. 7007.0100, subp. 7(A), Minn. R. 7007.0100, subp. 7(L), Minn. R. 7007.0100, subp. 7(M), Minn. R. 7007.0800, subp. 1, Minn. R. 7007.0800, subp. 2, Minn. R. 7007.0800, subp. 4, Minn. R. 7009.0010-0080, Minn. Stat. 116.07, subd. 4a, Minn. Stat. 116.07, subd. 9]</del></p>
	5.1.8		<p>Permit Appendices: This permit contains appendices as listed in the permit Table of Contents. The Permittee shall comply with all requirements contained in Appendix A: Insignificant Activities and General Applicable Requirements.</p> <p>Modeling parameters in Appendix B: Modeling Information (State Implementation Plan for SO2) are included for reference only as described elsewhere in this permit. [Minn. R. 7007.0800, subp. 2]</p>
	5.1.9		<p><del>PERMIT SHIELD: Subject to the limitations in Minn. R. 7007.1800, compliance with the conditions of this permit shall be deemed compliance with the specific provision of the applicable requirement identified in the permit as the basis of each condition. Subject to the limitations of Minn. R. 7007.1800 and 7017.0100, subp. 2, notwithstanding the conditions of this permit specifying compliance practices for applicable requirements, any person (including the Permittee) may also use other credible evidence to establish compliance or noncompliance with applicable requirements.</del></p> <p><del>This permit shall not alter or affect the liability of the Permittee for any violation of applicable requirements prior to or at the time of permit issuance. [Minn. R. 7007.1800, (A)(2)]</del></p>



Subject Item	Sec.SI.Reqt	SI des:SI desc	Requirement & Citation
	<del>5.1.31</del>		<del>Extension Requests: The Permittee may apply for an Administrative Amendment to extend a deadline in a permit by no more than 120 days, provided the proposed deadline extension meets the requirements of Minn. R. 7007.1400, subp. 1(H). Performance testing deadlines from the General Provisions of 40 CFR pt. 60 and pt. 63 are examples of deadlines for which the MPCA does not have authority to grant extensions and therefore do not meet the requirements of Minn. R. 7007.1400, subp. 1(H). [Minn. R. 7007.1400, subp. 1(H)]</del>
	5.1.32		Emission Inventory Report: due on or before April 1 of each calendar year following permit issuance, to be submitted on a form approved by the Commissioner. [Minn. R. 7019.3000-7019.3100]
	<del>5.1.33</del>		<del>Emission Fees: due 30 days after receipt of an MPCA bill. [Minn. R. 7002.0005-7002.0095]</del>
EQUI 1	EU004	Boiler No. 4	
	5.2.1		Sulfur Content of Fuel <= 0.05 percent by weight for distillate fuel oil.  THIS CONDITION WILL BECOME EFFECTIVE ON THE DATE THE U.S. EPA APPROVES THE REVISION TO THE SIP. [Title I Condition: 40 CFR 50.4(SO2 SIP), Title I Condition: 40 CFR 51, Title I Condition: 40 CFR pt. 52, subp. Y]
	<del>5.2.2</del>		<del>Fuel Restriction: The Permittee is authorized to combust natural gas only.  THIS CONDITION WILL BE TERMINATED ON THE DATE THE U.S. EPA APPROVES THE REVISION TO THE SIP. [Minn. R. 7005.0100, subp. 35a]</del>
	5.2.3		Fuel Restriction: The Permittee is authorized to combust natural gas or distillate fuel oil meeting the requirements of 40 CFR Section 80.510(c) only.  THIS CONDITION WILL BECOME EFFECTIVE ON THE DATE THE U.S. EPA APPROVES THE REVISION TO THE SIP. [Title I Condition: 40 CFR 50.4(SO2 SIP), Title I Condition: 40 CFR 51, Title I Condition: 40 CFR pt. 52, subp. Y]
	5.2.4		Fuel Supplier Certification: The Permittee shall obtain and maintain written fuel supplier certification from the fuel supplier for each shipment of distillate fuel oil delivered to the facility. Each fuel certification shall include the following information: the name of the fuel oil supplier; the sulfur content of the fuel oil; and method used to determine the sulfur content of the fuel oil.  THIS CONDITION WILL BECOME EFFECTIVE ON THE DATE THE U.S. EPA APPROVES THE REVISION TO THE SIP. [Title I Condition: 40 CFR 50.4(SO2 SIP), Title I Condition: 40 CFR 51, Title I Condition: 40 CFR pt. 52, subp. Y]

Subject Item	Sec.SI.Reqt	SI des:SI desc	Requirement & Citation
	5.2.12		<p><del>Fuel Supplier Certification Requirements:</del></p> <p><del>The certification shall include the following information for distillate fuel oil:</del></p> <ol style="list-style-type: none"> <li><del>1. The name of the oil supplier;</del></li> <li><del>2. A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR Section 60.41c; and</del></li> <li><del>3. The sulfur content of the oil.</del></li> </ol> <p><del>This certification shall be obtained for each delivery of distillate fuel oil. [40 CFR 60.48c(f)(1), Minn. R. 7011.0570]</del></p>
	5.2.13		<p><del>The Permittee shall record and maintain records of the amount of each fuel combusted in Boiler No. 4 during each operating day. OR</del></p> <p><del>The Permittee may elect to record and maintain records of the amount of each fuel combusted in Boiler No. 4 during each calendar month. If this option is chosen, by the last day of each calendar month, the Permittee shall record the amount of each fuel combusted in Boiler No. 4 during the previous calendar month.</del></p> <p><del>These records shall consist of purchase records, receipts, or fuel meter readings. [40 CFR 60.48c(g), Minn. R. 7011.0570]</del></p>
EQUI 2	EU005	Standby Generator-Sub 3(W)	
	5.3.1		<p><del>Opacity &lt;= 20 percent opacity once operating temperatures have been attained. [Minn. R. 7011.2300, subp. 1]</del></p>
	5.3.2		<p><del>Sulfur Dioxide &lt;= 0.50 pounds per million Btu heat input. The potential to emit from the unit is 0.29 lb/MMBtu due to equipment design and allowable fuels. [Minn. R. 7011.2300, subp. 2]</del></p>
	5.3.3		<p>Sulfur Content of Fuel &lt;= 0.05 percent by weight for diesel fuel. [Title I Condition: 40 CFR 50.4(SO2 SIP), Title I Condition: 40 CFR 51, Title I Condition: 40 CFR pt. 52, subp. Y]</p>
	5.3.4		<p>Fuel Restriction: The Permittee is authorized to burn diesel fuel only. [Title I Condition: 40 CFR 50.4(SO2 SIP), Title I Condition: 40 CFR 51, Title I Condition: 40 CFR pt. 52, subp. Y]</p>
	5.3.5		<p>Fuel Supplier Certification: The Permittee shall obtain and maintain written fuel supplier certification from the fuel supplier for each shipment of diesel fuel oil delivered to the facility. Each fuel certification shall include the following information: the name of the fuel oil supplier; the sulfur content of the fuel oil and method used to determine the sulfur content of the fuel oil. [Title I Condition: 40 CFR 50.4(SO2 SIP), Title I Condition: 40 CFR 51, Title I Condition: 40 CFR pt. 52, subp. Y]</p>

Subject Item	Sec.SI.Reqt	SI des:SI desc	Requirement & Citation
	<del>5.3.17</del>		<del>Emergency stationary RICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in 40 CFR Section 63.6640(f)(2). The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity. [40 CFR 63.6585(f), 40 CFR 63.6640(f)(4), Minn. R. 7011.8150]</del>
	<del>5.3.18</del>		<del>The Permittee must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The Permittee must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purposes specified in 40 CFR Section 63.6640(f)(2)(ii) or (iii), the Permittee must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes. [40 CFR 63.6655(f), Minn. R. 7011.8150]</del>
	<del>5.3.19</del>		<p><del>The Permittee must maintain all records in a form suitable and readily available for expeditious review according to 40 CFR Section 63.10(b)(1).</del></p> <p><del>As specified in 40 CFR Section 63.10(b)(1), the Permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.</del></p> <p><del>The Permittee must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR section 63.10(b)(1). [40 CFR 63.10(b)(1), 40 CFR 63.6660, Minn. R. 7011.8150, Minn. R. 7019.0100, subp. 2(B)]</del></p>
EQUI 3	EU006	Standby Generator-Sub 3(E)	
	<del>5.4.1</del>		<del>Opacity &lt;= 20 percent opacity once operating temperatures have been attained. [Minn. R. 7011.2300, subp. 1]</del>
	<del>5.4.2</del>		<del>Sulfur Dioxide &lt;= 0.50 pounds per million Btu heat input. The potential to emit from the unit is 0.29 lb/MMBtu due to equipment design and allowable fuels. [Minn. R. 7011.2300, subp. 2]</del>
	5.4.3		Sulfur Content of Fuel <= 0.05 percent by weight for diesel fuel. [Title I Condition: 40 CFR 50.4(SO2 SIP), Title I Condition: 40 CFR 51, Title I Condition: 40 CFR pt. 52, subp. Y]

Subject Item	Sec.SI.Reqt	SI des:SI desc	Requirement & Citation
	5.4.4		Fuel Restriction: The Permittee is authorized to burn diesel fuel only. [Title I Condition: 40 CFR 50.4(SO2 SIP), Title I Condition: 40 CFR 51, Title I Condition: 40 CFR pt. 52, subp. Y]
	5.4.5		Fuel Supplier Certification: The Permittee shall obtain and maintain written fuel supplier certification from the fuel supplier for each shipment of diesel fuel oil delivered to the facility. Each fuel certification shall include the following information: the name of the fuel oil supplier; the sulfur content of the fuel oil and method used to determine the sulfur content of the fuel oil. [Title I Condition: 40 CFR 50.4(SO2 SIP), Title I Condition: 40 CFR 51, Title I Condition: 40 CFR pt. 52, subp. Y]
	<del>5.4.6</del>		<del>Hours of Operation: The Permittee shall maintain documentation on site that the unit is an emergency generator by design that qualifies under the U.S. EPA memorandum entitled "Calculating Potential to Emit (PTE) for Emergency Generators" dated September 6, 1995, limiting operation to 500 hours per year. [Minn. R. 7007.0800, subps. 4-5]</del>
	<del>5.4.7</del>		<del>The Permittee shall keep records of fuel type and usage on a monthly basis by the 28th day of each month. [Minn. R. 7007.0800, subp. 5]</del>
	5.4.8		<del>This unit is an existing affected source as defined under 40 CFR pt. 63, subp. ZZZZ and the facility is an area source as defined at 40 CFR Section 63.2. However, the unit is a commercial emergency stationary RICE that meets the criteria in 40 CFR Section 63.6585(f)(2), so 40 CFR pt. 63, subp. ZZZZ does not apply to this unit. The emergency stationary RICE must meet the definition of an emergency stationary RICE in 40 CFR Section 63.6675, which includes operating according to the provisions specified in 40 CFR Section 63.6640(f). [40 CFR 63.6585(f), Minn. R. 7011.8150]</del>
	5.4.9		<del>The emergency stationary RICE cannot operate or be contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 CFR Section 63.6640(f)(2)(ii) and (iii) and the unit cannot operate for the purpose specified in 40 CFR Section 63.6640(f)(4)(ii). [40 CFR 63.6585(f)(2), Minn. R. 7011.8150]</del>
	<del>5.4.10</del>		<del>The Permittee must install a non-resettable hour meter if one is not already installed. [40 CFR 63.6625(f), Minn. R. 7011.8150]</del>

Subject Item	Sec.SI.Reqt	SI des:SI desc	Requirement & Citation
	5.4.18		<p><del>The Permittee must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The Permittee must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purposes specified in 40 CFR Section 63.6640(f)(2)(ii) or (iii), the Permittee must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes. [40 CFR 63.6655(f), Minn. R. 7011.8150]</del></p>
	5.4.19		<p><del>The Permittee must maintain all records in a form suitable and readily available for expeditious review according to 40 CFR Section 63.10(b)(1).</del></p> <p><del>As specified in 40 CFR Section 63.10(b)(1), the Permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.</del></p> <p><del>The Permittee must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR section 63.10(b)(1). [40 CFR 63.10(b)(1), 40 CFR 63.6660, Minn. R. 7011.8150, Minn. R. 7019.0100, subp. 2(B)]</del></p>
EQUI 9	EU009	Boiler No. 5	
	5.5.1		<p><del>The Permittee is authorized to construct and operate Boiler No. 5 within 18 months after permit issuance of Permit No. 00300245-003. The unit shall meet all the requirements of this permit and design specifications submitted in the application for installation of Boiler No. 5 (e.g. EQUI 9). [Minn. R. 7007.0800, subp. 2]</del></p>
	5.5.2		<p>Sulfur Content of Fuel &lt;= 0.05 percent by weight for distillate fuel oil.</p> <p>THIS CONDITION WILL BECOME EFFECTIVE ON THE DATE THE U.S. EPA APPROVES THE REVISION TO THE SIP. [Title I Condition: 40 CFR 50.4(SO2 SIP), Title I Condition: 40 CFR 51, Title I Condition: 40 CFR pt. 52, subp. Y]</p>
	5.5.3		<p><del>Fuel Restriction: The Permittee is authorized to combust natural gas only.</del></p> <p><del>THIS CONDITION WILL BE TERMINATED ON THE DATE THE U.S. EPA APPROVES THE REVISION TO THE SIP. [Minn. R. 7005.0100, subp. 35a]</del></p>

Subject Item	Sec.SI.Reqt	SI des:SI desc	Requirement & Citation
	5.5.4		<p>Fuel Restriction: The Permittee is authorized to combust natural gas or distillate fuel oil meeting the requirements of 40 CFR Section 80.510(c) only.</p> <p>THIS CONDITION WILL BECOME EFFECTIVE ON THE DATE THE U.S. EPA APPROVES THE REVISION TO THE SIP. [Title I Condition: 40 CFR 50.4(SO2 SIP), Title I Condition: 40 CFR 51, Title I Condition: 40 CFR pt. 52, subp. Y]</p>
	5.5.5		<p>Fuel Supplier Certification: The Permittee shall obtain and maintain written fuel supplier certification from the fuel supplier for each shipment of distillate fuel oil delivered to the facility. Each fuel certification shall include the following information: the name of the fuel oil supplier; the sulfur content of the fuel oil; and method used to determine the sulfur content of the fuel oil.</p> <p>THIS CONDITION WILL BECOME EFFECTIVE ON THE DATE THE U.S. EPA APPROVES THE REVISION TO THE SIP. [Title I Condition: 40 CFR 50.4(SO2 SIP), Title I Condition: 40 CFR 51, Title I Condition: 40 CFR pt. 52, subp. Y]</p>
	<del>5.5.6</del>		<p><del>The Permittee shall keep records of fuel type and usage on a monthly basis by the 28th day of each month. [Minn. R. 7007.0800, subp. 5]</del></p>
	<del>5.5.7</del>		<p><del>This unit is a gas fired boiler as defined by 40 CFR pt. 63, subp. JJJJJ and is not subject to 40 CFR pt. 63, subp. JJJJJ or any requirements in 40 CFR pt. 63, subp. JJJJJ.</del></p> <p><del>A gas fired boiler is defined in 40 CFR Section 63.11237 as any boiler that burns gaseous fuels not combined with any solid fuels and burns liquid fuel only during periods of gas curtailment, gas supply interruption, startups, or periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year. [40 CFR 63.11195(e), 40 CFR 63.11237, Minn. R. 7011.7055]</del></p>
	5.5.8		<p>The affected facility to which 40 CFR pt. 60, subp. Dc applies is each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/hr)) or less, but greater than or equal to 2.9 MW (10 MMBtu/hr). [40 CFR 60.40c(a), Minn. R. 7011.0570]</p>
	<del>5.5.9</del>		<p><del>Sulfur Content of Fuel &lt;= 0.5 percent by weight for distillate fuel oil or less than or equal to 215 ng/J (0.50 lb/MMBtu) heat input from distillate fuel oil. [40 CFR 60.42c(d), Minn. R. 7011.0570]</del></p>
	<del>5.5.10</del>		<p><del>Fuel Supplier Certification: The Permittee shall determine compliance with the fuel oil sulfur limits based on a certification from the fuel supplier. [40 CFR 60.42c(h), Minn. R. 7011.0570]</del></p>

**Appendix B. Modeling Information (State Implementation Plan for SO<sub>2</sub>)**

**Modeling Input Parameter Data:**

The parameters shown in the tables below reflect the parameters used to demonstrate modeled compliance with ambient air quality standards as required by the Minnesota State Implementation Plan for SO<sub>2</sub>. Flow rates and temperatures listed represent the minimum parameters at the maximum emission rate. The purpose of listing the parameters in the appendix is to provide a benchmark for future changes.

Source Name	EQUI ID	STRU ID	Stack Height (feet)	Stack Height (m)	Stack Diameter (feet)	Stack Diameter (m)	Exit Velocity (m/s)	Exit Temp (F)	Modeled and Maximum Heat Input (MMBtu/hr)	Exit Flow Rate (ACFM)
Boiler 1	4	1	140	43	7.0	2.1	3.9	325	69.8	29,466
Boiler 2	5	2	140	43	8.5	2.4	1.8	325	69.8	19,677
Boiler 3	6	2	140	43	8.5	2.4	1.8	325	35.1	19,677
Standby Generator-Sub 3(w)	2	4	36	11	0.59	0.18	58	440	2.96	3,100
Standby Generator-Sub 3(e)	3	5	36	11	0.59	0.18	58	440	2.96	3,100
Standby Generator-Sub 1	7	6	24	7.3	0.59	0.18	55	440	3.46	2,955
Standby Generator-Boiler and Bdg 37	8	7	29	8.8	0.49	0.15	48	440	2.1	1,793

\*Items that are listed with a strikethrough were removed from the facility as part of Air Emission Permit 00300245-003. The values that were used in modeling are included, even though the items have been removed, to maintain a complete record.