



## Air Operating Permit

Issued in accordance with:  
40 CFR Part 70, Chapter 70.94  
RCW, and Chapter 173-401 WAC

**3104 E. Augusta, Spokane, WA 99207 (509) 477-4727**

PERMIT NO: AOP-6 RENEWAL #3

ISSUANCE DATE: SEPTEMBER 9, 2013

EXPIRATION DATE: SEPTEMBER 8, 2018

PERMITTEE: Transcanada Gas Transmission Northwest LLC (GTN)  
1400 SW Fifth Avenue, Suite 900  
Portland, OR 97201

FACILITY LOCATION: Station 6, 315 East Babb Road, Rosalia, WA 99170

FACILITY DESCRIPTION: Compressor Station on Natural Gas Pipeline

PRIMARY SIC: 4922

AIRS AFS NO: WA-063-0093

RESPONSIBLE OFFICIAL: Ken Leier  
Regional Director

FACILITY CONTACT: Stanley D. Barry  
Environmental Specialist  
(509) 533-2834

PREPARED BY: \_\_\_\_\_  
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April L. Westby, P.E.

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William Dameworth, Control Officer

# TABLE OF CONTENTS

<b>TABLE OF CONTENTS.....</b>	<b>2</b>
<b>LIST OF ABBREVIATIONS.....</b>	<b>3</b>
<b>DEFINITIONS OF WORDS &amp; PHRASES.....</b>	<b>4</b>
<b>I. STANDARD TERMS &amp; CONDITIONS.....</b>	<b>5</b>
A. PERMIT ADMINISTRATION .....	5
B. INSPECTION & ENTRY .....	8
C. EMERGENCY PROVISIONS.....	8
D. GENERAL MONITORING, RECORDKEEPING, & REPORTING.....	10
E. COMPLIANCE CERTIFICATION .....	14
F. TRUTH AND ACCURACY OF STATEMENTS AND DOCUMENTS & TREATMENT OF DOCUMENTS	15
G. APPLICABLE WHEN TRIGGERED REQUIREMENTS.....	16
<b>II. EMISSION LIMITATIONS &amp; MONITORING AND REPORTING REQUIREMENTS .....</b>	<b>17</b>
A. FACILITY-WIDE EMISSION LIMITATIONS .....	17
B. UNIT 6A EMISSION LIMITATIONS .....	22
C. UNIT 6B EMISSION LIMITATIONS.....	26
D. UNIT 6C EMISSION LIMITATIONS.....	27
E. EMERGENCY GENERATOR EMISSION LIMITATIONS.....	31
F. MONITORING, RECORDKEEPING & REPORTING REQUIREMENTS.....	34
<b>III. PERMIT SHIELD.....</b>	<b>44</b>
A. INAPPLICABLE REQUIREMENTS .....	44

## LIST OF ABBREVIATIONS

BACT	Best available control technology
CEM	Continuous emission monitor
CEMS	Continuous emission monitoring system
CFR	Code of Federal Regulations
CO	Carbon monoxide
COM	Continuous opacity monitor
COMS	Continuous opacity monitoring system
dba	Doing business as
dscf	Dry standard cubic foot
ECOLOGY	Washington State Department of Ecology
EPA	United States Environmental Protection Agency
FCAA	Federal Clean Air Act
gr/dscf	Grains per dry standard cubic foot
HAP	Hazardous air pollutant as designated under Title I of FCAA
MMBTU	Millions of British thermal units
MRRR	Monitoring, recordkeeping, & reporting requirements
NAA	Nonattainment area
NOC	Notice of Construction
NO <sub>x</sub>	Oxides of nitrogen
O <sub>2</sub>	Oxygen
O&M	Operation & maintenance
Pb	Lead
PM	Particulate matter
PM-10	Particulate matter, 10 microns or less in size
PSD	Prevention of Significant Deterioration
RACT	Reasonably available control technology
RCW	Revised Code of Washington
RM	EPA reference method from 40 CFR Part 60, Appendix A
SCAPCA	Spokane County Air Pollution Control Authority (on June 3, 2007, SCAPCA was renamed to SRCAA)
SRCAA	Spokane Regional Clean Air Agency (prior to June 3, 2007, agency was called SCAPCA)
scf	Standard cubic foot
SO <sub>2</sub>	Sulfur dioxide
SO <sub>x</sub>	Oxides of sulfur
VOC	Volatile organic compounds
WAC	Washington Administrative Code

## DEFINITIONS OF WORDS & PHRASES

Terms not otherwise defined in this permit have the meaning assigned to them in the referenced regulations.

Administrator	The administrator of the United States Environmental Protection Agency or her/his designee [WAC 173-401-200(12), 8/10/11]
Chapter 401 Permit	Any permit or group of permits covering a source, subject to the permitting requirements of Chapter 173-401 WAC, that is issued, renewed, amended, or revised pursuant to Chapter 173-401 WAC [WAC 173-401-200(5), 8/10/11]
Emission Limitation	A requirement established under the FCAA or Chapter 70.94 RCW which limits the quantity, rate or concentration of emissions of air contaminants on a continuous basis, including any requirement relating to the operation or maintenance of a source to assure continuous emission reduction and any design, equipment work practice, or operational standard promulgated under the FCAA or Chapter 70.94 RCW [WAC 173-400-030(27), 11/28/12]
Emissions Unit	Any part of a stationary source or source which emits or would have the potential to emit any pollutant subject to regulation under the Federal Clean Air Act, Chapter 70.94 RCW, or 70.98 RCW [WAC 173-400-030(29), 11/28/12]
Federal Clean Air Act	Federal Clean Air Act, also known as Public Law 88-206, 77 Stat. 392. December 17, 1963, 42 U.S.C. 7401 et seq., as last amended by the Clean Air Act Amendments of 1990, P.L. 101-549, November 15, 1990 [WAC 173-401-200(13), 8/10/11]
Opacity	The degree to which an object seen through a plume is obscured, stated as a percentage [WAC 173-400-030(58), 11/28/12]
PM Standard	An emission limitation on the amount of particulate matter an emissions unit may emit, generally expressed in terms of grains per dry standard cubic foot, pounds per hour, or some other concentration or emission rate.
Visible Emissions Standard	An emission limitation on visible emissions expressed in percent opacity

The following note applies throughout this permit when indicated by the term “\* - see note on page 5.”

**NOTE:** For requirements which are federally enforceable because of inclusion in the State Implementation Plan (SIP), where the current filing date in the regulation is different from the filing date for SIP approved version, but the requirement itself has not changed, the most recent filing date is given, followed by the SIP version in parentheses.

Until this permit expires, is modified, or revoked, the permittee, Transcanada Gas Transmission Northwest Corporation (GTN), is authorized to operate subject to the terms and conditions listed herein.

## **I. STANDARD TERMS & CONDITIONS**

### **A. PERMIT ADMINISTRATION**

**I.A.1. Federal Enforceability.** All terms and conditions of this permit, including any provisions designed to limit a source's potential to emit, are enforceable by the Administrator and citizens under the FCAA except those terms or conditions not required under the FCAA or under any of its applicable requirements and specifically so designated. All terms and conditions that are not required under the FCAA are indicated by the phrase "STATE/LOCAL ONLY" after the legal citation. [WAC 173-401-625, 10/4/93]

**I.A.2. Duty to comply.** The permittee shall comply with all terms and conditions of this Chapter 401 permit. Any permit noncompliance shall constitute a violation of Chapter 70.94 RCW, and for federally enforceable provisions, a violation of the Federal Clean Air Act. Such violations are grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. [WAC 173-401-620(2)(a), 10/4/93]

**I.A.3. Schedule of Compliance.** The permittee will continue to comply with all applicable requirements with which the source is in compliance. The permittee will meet, on a timely basis, any applicable requirements that become effective during the permit term. [WAC 173-401-630(3), 10/4/93]

**I.A.4. Need to Halt or Reduce Activity Not a Defense.** It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [WAC 173-401-620(2)(b), 10/4/93]

**I.A.5. Permit Actions.** This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [WAC 173-401-620(2)(c), 10/4/93]

**I.A.6. Reopening for Cause.** The permit shall be reopened and revised under any of the following circumstances:

a. Additional requirements become applicable to the facility and the remaining permit term is three or more years. Such reopening shall be completed not later than eighteen months after promulgation of the applicable requirement. Such reopening is not required if the effective date of the new requirement is later than the date on which this permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to WAC 173-401-620(2)(j). (See Condition I.A.15- Permit Continuation below);

b. SRCAA or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit; or

c. SRCAA or the Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

[WAC 173-401-730, 10/4/93]

**I.A.7. Emissions Trading.** No permit revision shall be required, under any approved, economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit. [WAC 173-401-620(2)(g), 10/4/93]

**I.A.8. Property Rights.** This permit does not convey any property rights of any sort, or any exclusive privilege. [WAC 173-401-620(2)(d), 10/4/93]

**I.A.9. Duty to provide information.** The permittee shall furnish within a reasonable time to SRCAA, any information that SRCAA may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to SRCAA copies of records required to be kept by the permit or, for information claimed confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. SRCAA shall maintain confidentiality of such information in accordance with RCW 70.94.205. [WAC 173-401-620(2)(e), 10/4/93]

**I.A.10. Duty to Supplement or Correct Application.** The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information. The permittee shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit. [WAC 173-401-500(6), 9/16/02]

**I.A.11. Permit Fees.** The permittee shall pay fees as a condition of this permit in accordance with SRCAA's fee schedule. Failure to pay fees in a timely fashion shall subject the permittee to civil and criminal penalties as prescribed in Chapter 70.94 RCW. [WAC 173-401-620(2)(f), 10/4/93]

**I.A.12. Severability.** If any provision of this permit is held to be invalid, all unaffected provisions of the permit shall remain in effect and be enforceable. [WAC 173-401-620(2)(h), 10/4/93]

**I.A.13. Permit Appeals.** This permit or any conditions in it may be appealed only by filing an appeal with the pollution control hearings board and serving it on SRCAA within thirty days of receipt pursuant to RCW 43.21B.310. This provision for appeal is separate from, and in addition to, any federal rights to petition and review under §505(b) of the FCAA, including petitions filed pursuant to 40 CFR 70.8(c) and 70.8(d). [WAC 173-401-620(2)(i), 10/4/93] [WAC 173-401-735(1), 4/2/97]

**I.A.14. Permit Renewal and Expiration.** This permit shall be in effect for five years from the date of issuance as indicated on the cover page. The permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete application for renewal is submitted to SRCAA at least 12 months, but no more than 18 months, prior to the date of permit expiration. Upon SRCAA's receipt of a timely and complete application, the facility may continue to operate subject to final action by SRCAA on the application. This protection shall cease to apply if, subsequent to a completeness determination, the applicant fails to submit, by the deadline specified in writing by SRCAA, any additional information identified as necessary to process the application. The application shall be sent to:

Director  
Spokane Regional Clean Air Agency  
3104 E. Augusta  
Spokane, WA 99207

[WAC 173-401-610, 10/4/93] [WAC 173-401-705, 10/4/93] [WAC 173-401-710(1) & (3), 9/16/02]

**I.A.15. Permit Continuation.** This permit and all terms and conditions contained herein, including any permit shield provided under Condition I.A.16- Permit Shield and Section III. PERMIT SHIELD, shall not expire until the renewal permit has been issued or denied if a timely and complete application has been submitted. An application shield granted pursuant to WAC 173-401-705(2) shall remain in effect until the renewal permit has been issued or denied if a timely and complete application has been submitted. [WAC 173-401-620(2)(j), 10/4/93]

**I.A.16. Permit Shield.** Compliance with a permit condition is deemed compliance with the applicable requirements upon which that condition is based, as of the date of permit issuance, provided such applicable requirements are included and are specifically identified in the permit. This provision does not apply to any insignificant emissions units or activities designated under WAC 173-401-530.

This permit shield shall not alter or affect the following:

- a. The provisions of Section 303 of the FCAA (emergency orders), including the authority of the Administrator under that section;
- b. The liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance;
- c. The ability of EPA to obtain information from the permittee pursuant to Section 114 of the FCAA;
- d. The ability of SRCAA to establish or revise requirements for the use of reasonably available control technology (RACT) as provided in Chapter 252, Laws of 1993.

[WAC 173-401-640(1) & (4), 10/4/93]

(See III. PERMIT SHIELD for requirements that have been deemed inapplicable to this facility.)

## **B. INSPECTION & ENTRY**

**I.B.1. Inspection and Entry.** Upon presentation of credentials and other documents as may be required by law, the permittee shall allow SRCAA, or an authorized representative, to perform the following:

- a. Enter upon the permittee's premises where a chapter 401 source is located or emissions-related activity is conducted, or where records must be kept under the conditions of this permit;
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- c. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
- d. As authorized by WAC 173-400-105 and the FCAA, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or other applicable requirements.

[WAC 173-401-630(2), 10/4/93] [NOC #404, Condition #16, 9/16/92 as revised on 7/22/97 and 6/6/00] [PSD #90-02 Amendment 1, Condition 12, 7/18/97] [SRCAA Regulation I, Article II, Section 2.02.E & F, 3/4/04 - STATE/LOCAL ONLY]

Nothing in this condition shall limit the ability of EPA to inspect or enter the premises of the permittee under Section 114 of the FCAA. [WAC 173-401-640(4)(d), 10/4/93]

Failure to allow access is grounds for revocation of PSD #90-02 Amendment 1 (7/18/97) and an enforcement action. [PSD #90-02 Amendment 1, Condition 12, 7/18/97] [PSD 01-05 Amendment 1, Condition 16, 11/14/02]

**I.B.2. Obstruction of Access.** No person shall intimidate, obstruct, hamper, or interfere with any authorized representative of SRCAA who requests entry for the purpose of inspection, who discloses the purpose of the inspection, and who presents appropriate Authority credentials; nor shall any person obstruct, hamper or interfere with any such inspection. [RCW 70.94.200, 1998] [SRCAA Regulation I, Article II, Section 2.02.E & F, 3/4/04 - STATE/LOCAL ONLY]

## **C. EMERGENCY PROVISIONS**

### **I.C.1. Emergencies.**

An emergency, as defined in WAC 173-401-645(1), constitutes an affirmative defense to an enforcement action for non-compliance with a technology-based emission limitation if all the conditions of WAC 173-401-645(3) and (4) are met and the permittee submits notification of the



emergency to SRCAA in accordance with Condition I.D.7-Prompt Reporting of Deviations and submits a report in accordance with Condition I.C.4-Emergency, Excess Emissions, Upset Conditions and/or Breakdown Reports below.

This provision is in addition to the affirmative defense for unavoidable excess emissions found in Condition I.C.2-Excess Emissions and Condition I.C.3-Report of Breakdown below. [WAC 173-401-645, 10/4/93] [WAC 173-401-615(3)(b), 9/16/02]

**I.C.2. Excess Emissions.** If excess emissions due to startup or shutdown conditions, scheduled maintenance, or upsets are determined to be unavoidable under the procedures and criteria in WAC 173-400-107 (until the effective date of EPA's incorporation of WAC [173-400-108](#) and [173-400-109](#) into the Washington state implementation plan) or WAC 173-400-108 and WAC 173-400-109 (on and after the effective date of EPA's incorporation of WAC [173-400-108](#) and [173-400-109](#) into the Washington state implementation plan), such emissions are violations of the applicable statute, regulation, permit, or regulatory order but are not subject to penalty. The permittee shall submit a notification of the excess emissions in accordance with I.D.7-Prompt Reporting of Deviations below, and upon request by SRCAA, submit a report in accordance with Condition I.C.4-Emergency, Excess Emissions, Upset Conditions and/or Breakdown Reports below. [WAC 173-400-107, 108, 109, 3/1/11] [WAC 173-401-615(3)(b), 9/16/02]

**I.C.3. Report of Breakdown for State/Local Only Requirements in SRCAA Regulation I.** If pollutants are emitted in excess of the limits established by SRCAA Regulation I as a direct result of unavoidable upset conditions or unavoidable and unforeseeable breakdown of equipment or control apparatus, SRCAA may excuse the permittee from penalties if the permittee submits a notification of the breakdown is reported in accordance with Condition I.D.7-Prompt Reporting of Deviations below and upon request by SRCAA's control officer, submits a report in accordance with Condition I.C.4-Emergency, Excess Emissions, Upset Conditions and/or Breakdown Reports.

The control officer, upon receipt of a report from the permittee describing a breakdown, may:

- a. Allow operation exempt from penalties, but only for a limited time period, after which the permittee will be required to comply with SRCAA Regulation I or be subject to the penalties in SRCAA Regulation I, Section 2.11. Such an exemption may be withdrawn if the exempt operation becomes a cause of complaints; or
- b. Require that the permittee curtail or cease operations until repairs are completed if the quantity of pollutants or the nature of the pollutants could cause damage.

Note: This provision does not provide relief against federally enforceable applicable requirements. [SRCAA Regulation I, Section 6.08, 3/4/04- STATE/LOCAL ONLY]

**I.C.4. Emergency, Excess Emissions, Upset Conditions and/or Breakdown Reports.** In the event of emergencies, excess emissions, upset conditions, and/or breakdowns (see Conditions I.C.1, I.C.2, & I.C.3 above), if requested by SRCAA, or if required under an applicable requirement, the permittee shall submit a full written report including:

- a. Date, time, and duration of the event,

- b. Known causes of the event;
- c. Records documenting the permittee's actions in response to the excess emissions event;
- d. Steps taken to repair the breakdown, if applicable, including a schedule to complete the repairs;
- e. Corrective actions taken, including preventative measures to be taken to minimize or eliminate the chance of recurrence;
- f. Information on whether emission monitoring and pollution control systems were operating at the time of the exceedance. If either or both systems were not operating, information on the cause and duration of the outage; and
- g. All additional information required under WAC 173-400-107 (until the effective date of EPA's incorporation of WAC [173-400-108](#) and [173-400-109](#) into the Washington state implementation plan) or WAC 173-400-109 (on and after the effective date of EPA's incorporation of WAC [173-400-108](#) and [173-400-109](#) into the Washington state implementation plan) supporting the claim that the excess emissions were unavoidable.

[WAC 173-401-615(3)(b), 9/16/02] [WAC 173-400-107, 108, 109, 3/1/11] [SRCAA Regulation I, Section 6.08, 3/4/04 – STATE/LOCAL ONLY] [PSD-88-1B, Condition 28, 9/1/89 as revised on 2/9/96]

## **D. GENERAL MONITORING, RECORDKEEPING, & REPORTING**

**I.D.1. Records of Required Monitoring Information.** The permittee shall keep records of monitoring information including:

- a. the date, place as defined in this permit, and time of sampling and measurements;
- b. the date(s) analyses were performed;
- c. the company or entity that performed the analyses;
- d. the analytical techniques or methods used;
- e. the results of such analyses; and
- f. the operating conditions existing at the time of sampling or measurement.

[WAC 173-401-615(2)(a), 9/16/02]

**I.D.2. Permanent Shutdown of an Emission Unit.** If an emission unit is permanently shut down, thereby rendering existing permit terms and conditions irrelevant, the permittee shall not be required, after the shutdown, to meet any monitoring, recordkeeping, and reporting requirements, no longer applicable for that emission unit, once any residual requirements have been met. All records, relating to the shut down emission unit, generated while the emission unit was in

operation, shall be kept in accordance with Conditions I.D.1- Records of Required Monitoring Information and I.D.5– Retention of Records.

Contemporaneous with the shutdown of the emission unit, the permittee shall record the date that operation of the emission unit ceased, using a log or file on site. The shutdown date shall be reported to SRCAA on the monitoring report, required under Condition I.D.6 – Monitoring Reports, covering the period during which the shutdown occurred. [WAC 173-401-725(4)(a), 10/4/93] [WAC 173-401-650(1)(a), 10/4/93]

**I.D.3. Operational Flexibility.** In the event that an emission unit is not operated during a period equal to or greater than the monitoring period designated, no monitoring is required. Recordkeeping and reporting must note the reason why and length of time that the emission unit was not operated. [WAC 173-401-650(1)(a), 10/4/93]

**I.D.4. Records of Changes.** The permittee shall keep records of changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes. [WAC 173-401-615(2)(b), 9/16/02]

**I.D.5. Retention of Records.** The permittee shall keep records of all required monitoring data and support information for a period of five years from the date of the monitoring sample, measurement, report or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. [WAC 173-401-615(2)(c), 9/16/02] [NOC #404, Condition 18, 9/16/92 as revised on 7/22/97 and 6/6/00]

**I.D.6. Monitoring Reports.** Unless a shorter time period is specified by this permit, reports of any required monitoring shall be submitted to SRCAA as follows:

- Monitoring report covering the period from January 1 – June 30 each year shall be submitted to SRCAA and postmarked no later than July 30 of the same calendar year; and
- Monitoring report covering the period from July 1 – December 31 each year shall be submitted to SRCAA and postmarked no later than April 15 of the following calendar year.

The reports shall be certified as required in Condition I.D.11-Report Submittals. Provided, where this permit requires reporting more frequently than once every six months, the responsible official's certification need only be submitted once every six months, covering all required reporting since the date of the last certification. The report shall include the following information for the reporting period:

- a. A summary of monitoring results;
- b. Clear identification of all instances of deviations from permit requirements; and
- c. Any permanent emission unit shutdowns as described in Condition I.D.2-Permanent Shutdown of an Emission Unit, respectively.

[WAC 173-401-615(3)(a), 9/16/02] [WAC 173-401-615(1) & (2), 9/16/02]

**I.D.7. Prompt Reporting of Deviations.** The permittee shall promptly report deviations from permit requirements, including those attributable to upset conditions as defined in this permit, the probable cause of such deviations, and any corrective actions or preventative measures taken. Prompt means reporting according to the shortest time period listed below which applies to the situation:

- a. in the case where the deviation represents a potential threat to human health or safety, the deviation shall be reported by phone or facsimile as soon as possible, but no later than 12 hours after the deviation is discovered;
- b. in the case where an affirmative defense is sought under Condition I.C.1- Emergencies above or under Condition I.C.2- Excess Emissions, the deviation shall be reported by phone or facsimile within two working days of the time when emission limitations were exceeded; and
- c. for all other deviations, the deviation shall be reported as part of the next monitoring report, or no later than 30 days after the end of the month during which the deviation is discovered, whichever is sooner.

The permittee shall maintain a contemporaneous record of all deviations. [WAC 173-401-615(3)(b), 9/16/02]

**I.D.8 Emission Inventory.** The permittee shall submit an inventory of emissions from the source each year. The inventory shall include:

- a. stack and fugitive emissions of particulate matter, PM10, sulfur dioxide, carbon monoxide, total reduced sulfur compounds, fluorides, lead, volatile organic compounds, and other contaminants; WAC 173-400-105(1), 8/20/93] [WAC 173-400-105(1), 11/28/12 – STATE/LOCAL ONLY]
- b. fuel consumption by month along with total monthly hours of operation and the resulting emissions for Unit 6A; [PSD #90-02 Amendment 1, Condition 6, 7/18/97] [NOC #404, Condition 15, 9/16/92 as revised on 7/22/97 and 6/6/00]
- c. if GTN monitors emissions with a continuous emission monitor, the following for Unit 6A:
  - i. process or control equipment operating parameters;
  - ii. the daily maximum and average concentration, in the units of the standard, for each pollutant monitored;
  - iii. the duration and nature of any monitor downtime;
  - iv. results of any monitor audits or accuracy checks; and
  - v. results of any stack tests.

[PSD #90-02 Amendment 1, Condition 6, 7/18/97]

- d. if an alternate monitoring plan is used pursuant to 4M in Section II.C, the following for

Unit 6A:

- i. monthly records of fuel used;
- ii. operating hours;
- iii. type of fuel; and
- iv. calculated emissions.

[PSD #90-02 Amendment 1, Condition 6, 7/18/97]

e. for each occurrence of monitored (by continuous emission monitoring system or approved alternative monitoring methodology, see Condition 4M) emissions in excess of the standards for Unit 6A or of monitored Unit 6A parameters outside normal ranges, the report shall include:

- i. the time of occurrence,
- ii. magnitude of the emission or process parameters excess,
- iii. the duration of the excess,
- iv. the probable cause,
- v. any corrective actions taken or planned, and
- vi. any other agency contacted.

[PSD #90-02 Amendment 1, Condition 6, 7/18/97]

f. Total amount of natural gas burned in Unit 6C during the year.

[NOC #1103, Condition 6, 4/4/02 as revised on 9/11/02]

The inventory shall be submitted no later than one hundred five days after the end of the calendar year. The permittee shall maintain records of information necessary to substantiate any reported emissions, consistent with the averaging times for the applicable standards. [WAC 173-400-105(1), 8/20/93] [WAC 173-400-105(1), 11/28/12 – STATE/LOCAL ONLY] [PSD #90-02 Amendment 1, Condition 6, 7/18/97] [NOC #404, Condition 17, 9/16/92 as revised on 7/22/97 and 6/6/00] [NOC #1103, Condition 6, 4/4/02 as revised on 9/11/02 and 8/31/07]

**I.D.9. Reporting of Emissions of Greenhouse Gases.** The permittee shall comply with the applicable requirements given in Chapter 173-441 WAC related to the reporting of emissions of greenhouse gases. [12/1/10 – STATE/LOCAL ONLY]

**I.D.10. WAC 173-401-530(1)(a) Insignificant Emission Units.** Emission units or activities which qualify as insignificant solely on the basis of WAC 173-401-530(1)(a) shall not exceed the emissions thresholds specified in WAC 173-401-530(4) until this permit is modified pursuant to WAC 173-401-725. Upon request from SRCAA, the permittee shall demonstrate that the actual emissions of such a unit or activity are below the applicable emission thresholds. SRCAA shall include in its request a deadline by which the permittee shall submit the emissions data. [WAC 173-401-530(6), 9/16/02]

**I.D.11. Report Submittals.** All application forms, reports, and compliance certifications required in this permit shall be submitted to:

Director  
Spokane Regional Clean Air Agency  
3104 E. Augusta  
Spokane, WA 99207

All such application forms, reports, and compliance certifications must be certified by a responsible official. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information contained in the report are true, accurate and complete. [WAC 173-401-520, 10/4/93]

**I.D.12. Rendering Device or Method Inaccurate.** The permittee shall not render inaccurate any monitoring device or method required under Chapter 70.94 or 70.120 RCW, or any ordinance, resolution, regulation, permit, or order in force pursuant thereto. [WAC 173-400-105(8), 9/20/93]  
[WAC 173-400-105(8), 11/28/12 – STATE/LOCAL ONLY]

## **E. COMPLIANCE CERTIFICATION**

**I.E.1. Compliance Certification Submittals.** The permittee shall submit compliance certifications once per year to SRCAA in accordance with Condition I.D.11 - Report Submittals. The compliance certification shall be submitted no later than one hundred and five days after the end of the calendar year for which certification is being made. For emission units not in compliance with terms and conditions of this permit, SRCAA may require more frequent submission of compliance certifications. Additionally, where specified in an applicable requirement, more frequent compliance certifications shall be submitted. [WAC 173-401-630(5)(a), 10/4/93]

**I.E.2. Compliance Certification Contents.** The compliance certification shall include:

- a. The identification of each term or condition of the permit that is the basis of the certification;
- b. The compliance status;
- c. Whether compliance was continuous or intermittent;
- d. The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with WAC 173-401-615(3)(a) (see Condition I.D.6 - Monitoring Reports above); and
- e. Such other facts as SRCAA may, in writing, require from the permittee to determine the compliance status of the source.

Where a permit does not require testing, monitoring, recordkeeping, and reporting for insignificant emission units or activities, the permittee may certify continuous compliance if there were no observed, documented, or known instances of noncompliance during the reporting period. Where a permit requires testing, monitoring, recordkeeping, and reporting for insignificant emission units or activities, the permittee may certify continuous compliance when the testing, monitoring, recordkeeping required by the permit revealed no violations during the period, and there were no observed, documented, or known instances of noncompliance during the reporting period.

[WAC 173-401-630(5)(c), 10/4/93] [WAC 173-401-530(c), 9/16/02]

**I.E.3. Credible Evidence.** For the purpose of submitting compliance certifications or establishing violations, the permittee shall not preclude the use, including the exclusive use, of any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed. [40 CFR 60.11(g), 1/12/11] [WAC 173-400-115, 11/28/12]

**I.E.4. Submittal to EPA.** The permittee shall submit a copy of all compliance certifications to the Administrator, no later than one hundred and five days after the end of the calendar year for which certification is being made, at the following address:

Administrator  
USEPA  
MS OAQ-107  
1200 Sixth Avenue  
Seattle, WA 98101

[WAC 173-401-630(5)(d), 10/4/93]

## **F. TRUTH AND ACCURACY OF STATEMENTS AND DOCUMENTS & TREATMENT OF DOCUMENTS**

**I.F.1. False Information.** The permittee shall not make any false statement, representation, or certification in any form, notice, or report required under Chapter 70.94 or 70.120 RCW or any ordinance, resolution, regulation, permit, or order in force pursuant thereto. [WAC 173-400-105(6), 8/20/93] [WAC 173-400-105(6), 11/28/12 – STATE/LOCAL ONLY]

In addition, the permittee shall not willfully make a false or misleading statement to the Board of Directors of SRCAA or their authorized representatives as to any matter within the jurisdiction of the Board. [SRCAA Regulation I, 2.08.A, 3/4/04 - STATE/LOCAL ONLY]

**I.F.2. Alteration of Documents.** The permittee shall not reproduce or alter or cause to be reproduced or altered any order or other paper issued by SRCAA if the purpose of such reproduction or alteration is to evade or violate any provision of SRCAA Regulation I or any other law. [SRCAA Regulation I, 2.08.B, 3/4/04 - STATE/LOCAL ONLY]

**I.F.3. Availability of Documents.** Any order required to be obtained by SRCAA Regulation I shall be available on the premises designated by the order. [SRCAA Regulation I, 2.08.C, 3/4/04 - STATE/LOCAL ONLY]

**I.F.4. Posting of Notices.** A notice shall be posted when SRCAA requires one to be displayed. The permittee shall not mutilate, obstruct, or remove any notice unless authorized to do so by the SRCAA Board of Directors. [SRCAA Regulation I, 2.08.D, 3/4/04 - STATE/LOCAL ONLY]

## **G. APPLICABLE WHEN TRIGGERED REQUIREMENTS**

The following conditions summarize requirements that apply if the permittee undertakes the activities specified in the requirement or proposes changes to the source that trigger the applicability of the requirement. The permit does not require monitoring for compliance with the requirements, but the compliance certification required by Condition I.E.1- Compliance Certification Submittals shall describe the permittee's compliance with these requirements.

**I.G.1. New Source Review.** Prior to the establishment of a new source, including modifications, the permittee may be required to file for and obtain approval under SRCAA's Notice of Construction program. [Chapter 173-400 WAC, 11/28/12 – STATE/LOCAL ONLY] [Chapter 173-460 WAC, 5/20/09 - STATE/LOCAL ONLY] [SRCAA Regulation I, Article V, 5/3/07 - STATE/LOCAL ONLY]

**I.G.2. Replacement or Substantial Alteration of Existing Control Equipment.** Prior to replacing or substantially altering existing control equipment, the permittee shall file for and obtain approval under SRCAA's Notice of Construction program. [WAC 173-400-114, 8/15/01 - STATE/LOCAL ONLY] [SRCAA Regulation I, Article V, 5/3/07 - STATE/LOCAL ONLY]

**I.G.3. Demolition and Renovation (Asbestos).** The permittee shall comply with applicable local, state, and federal requirements regarding demolition and renovation. [40 CFR Part 61 Subpart M, 2006] [WAC 173-400-075, 11/28/12] [SRCAA Regulation I, Article IX, 8/5/10 - STATE/LOCAL ONLY]

**I.G.4. Source Testing.** To demonstrate compliance Ecology or SRCAA may conduct or require that a test be conducted using approved EPA methods from 40 CFR Parts 51, 60, 61, and 63 which are adopted by reference or approved procedures contained in "Source Test Manual - Procedures for Compliance Testing," State of Washington, Department of Ecology, as of September 20, 2004, on file at Ecology. All testing shall be performed in accordance with SRCAA Regulation I, Section 2.09, "Source Tests." The permittee may be required to provide the necessary platform and sampling ports for Ecology personnel or others to perform a test of an emission unit. Ecology or SRCAA shall be allowed to obtain a sample from any emission unit. The permittee shall be given an opportunity to observe the sampling and to obtain a sample at the same time.

Methods or procedures shall be considered approved if the source submits a source test plan to SRCAA at least 30 days prior to the testing date, or a shorter time if designated in writing by SRCAA, and SRCAA approves the plan in writing. In order to maintain the approved status for the methods and/or procedures, any changes to the plan shall be approved by SRCAA in writing prior to implementation. [WAC 173-400-105(4), 8/20/93] [WAC 173-400-105(4), 11/28/12 - STATE/LOCAL ONLY] [WAC 173-401-615(1), 9/16/02] [SRCAA Regulation I, Section 2.09, 2/7/08]

**I.G.5. Chemical Accident Prevention Provisions.** A permittee of a stationary source that has more than a threshold quantity of a regulated substance in a process, as determined under 40 CFR §68.130, shall comply with the requirements of the Chemical Accident Prevention Provisions at 40 CFR Part 68 no later than the latest of the following dates:



- a. Three years after the date on which a regulated substance present above a threshold quantity is first listed under 40 CFR §68.130; or
- b. The date on which a regulated substance is first present above a threshold quantity in a process.

[40 CFR Part 68, 2006]

## **II. EMISSION LIMITATIONS & MONITORING AND REPORTING REQUIREMENTS**

This section contains emission limitations and emission related requirements including general requirements that apply facility-wide and requirements specific to individual, or groups of, emission units. Applicable requirements are listed in the third column in emission limitation tables. The basis for the applicable requirements is listed in the second column of the emission limitation tables. The averaging time and reference test method, used to determine compliance with the requirement, are listed in the fourth and fifth columns, if applicable. The monitoring, recordkeeping, and reporting requirements (MRRR) used to assure compliance with the requirement are listed in the sixth columns of the emission limitation tables. The MRRR are given at the end of this section.

Some facility-wide requirements may be repeated in emission limitation tables for individual emission units or groups of emission units if additional monitoring is required for that emission unit or group of emission units. Facility-wide requirements apply to all emission units regardless of whether they are listed in every emission limitations table unless otherwise exempted in SECTION III. PERMIT SHIELD.

### **A. FACILITY-WIDE EMISSION LIMITATIONS**

TABLE II.A-3 lists the applicable emission limitations that apply facility-wide. These facility-wide emission limitations apply to all significant and insignificant emissions units at the facility, given in TABLE II.A-1 and TABLE II.A-2. Requirements that are not required under the FCAA are indicated by the phrase "STATE/LOCAL ONLY" after the legal citation and are therefore not enforceable by the Administrator and citizens under the FCAA.

The facility-wide emission limitations, given in Table II.A-3, apply to insignificant emissions units. However, the monitoring, recordkeeping and reporting requirements given in II.F. MONITORING, RECORDKEEPING & REPORTING REQUIREMENTS and in I.D. GENERAL MONITORING, RECORDKEEPING, & REPORTING are not required for the insignificant emission units because SRCAA has determined that they are not necessary to assure compliance with facility-wide emission limitations. The permittee is required to certify compliance with the facility-wide emission limitations for insignificant emission units (see Condition I.E.2-Compliance Certification Contents). [WAC 173-401-530(2)(c) & (d), 9/16/02]

TABLE II.A-1 – Significant Emission Units

Process #, Emission Point # (as listed in the permit application)	DESCRIPTION	AIR POLLUTION CONTROL
Process 2, #1	Unit 6A - Solar natural gas fired turbine rated at 14,600 hp (ISO) (NOC #404; PSD #90-02)	Lo-NOx combustion
Process 3, #1	Unit 6B - Ingersoll Rand/GE LM 1500 natural gas fired turbine rated at 14,210 hp (ISO)	None
Process 4, #1	Unit 6C – Solar Titan natural gas fired turbine rated at 19,500 hp (ISO) (NOC #1103; PSD-01-05)	Lo-NOx combustion
Process 1, #1	1,462 hp Caterpillar Model G3516 natural gas fired emergency generator (NOC #1103; PSD-01-05)	None

TABLE II.A-2 – Insignificant Emission Units (IEUs)

IEU Description	Basis / Justification for IEU Designation
Boiler #1, Cleaver Brooks Model P723-25, rated at 1.046 MMBTU/hr, natural gas fired	WAC 173-401-533(2)(e) (combustion source less than 5 MMBTU/hr exclusively using natural gas, butane, propane, and/or LPG)
Boiler #2, National Model 6-66A, rated at 1.25 MMBTU/hr, natural gas fired	WAC 173-401-533 (combustion source less than 5 MMBTU/hr exclusively using natural gas, butane, propane, and/or LPG)
Boiler #3, Day & Night Model 50-JSF-6, rated at 130,000 BTU/hr, natural gas fired	WAC 173-401-533 (combustion source less than 5 MMBTU/hr exclusively using natural gas, butane, propane, and/or LPG)
Fugitive Dust	WAC 173-401-530(1)(d)
Gasoline Storage Tank, 500 Gallon Capacity	WAC 173-401-533(2)(c)
Diesel Storage Tank, 500 Gallon Capacity	WAC 173-401-533(2)(c)

TABLE II.A-3 - Facility-wide Emission Limitations

Condition Number	Basis for Requirement	Requirement	Reference Test Method, If Applicable	Averaging Time, If Applicable	MRRR Reference
II.A.1	WAC 173-400-040, 8/20/93 WAC 173-400-040, 3/1/11 – STATE/LOCAL ONLY	All emission units are required to use reasonably available control technology, in accordance with WAC 173-400-040			No MRRR required
II.A.2	WAC 173-400-040(1), 173-400-040(1)(a), & 173-400-040(1)(b), 3/1/11 (8/20/93) – see note on page 5	Visible emissions shall not exceed 20%, as specified in WAC 173-400-040	ECOLOGY Method 9A (September 20, 2004)	3 minute aggregate in any 1 hour period	2M
II.A.3	SRCAA Regulation I, 6.02, 3/4/04 - STATE/LOCAL ONLY	Visible Emissions shall not equal or exceed 20%, as specified in SRCAA Regulation I, 6.02 - STATE/LOCAL ONLY	ECOLOGY Method 9A (September 20, 2004)	3 minute aggregate in any 1 hour period	2M
II.A.4	WAC 173-400-040(2), 3/1/11 - STATE/LOCAL ONLY SRCAA Regulation I, Section 6.05.A, 3/4/04(11/12/93)* - see note on page 5	No person shall cause or permit the emission of particulate matter from any source to be deposited beyond the property under direct control of the owner or operator of the source in sufficient quantity to interfere unreasonably with the use and enjoyment of the property upon which the material is deposited or to interfere unreasonably with the use and enjoyment of the property upon which the material is deposited			1M
II.A.5	SRCAA Regulation I, Section 6.05.C, 3/4/04(11/12/93)* - see note on page 5 SRCAA Regulation I, 6.05.D, 3/4/04(11/12/93)* - see note on page 5 WAC 173-400-040(4)(a), 3/1/11(11/12/93)* - see note on page 5 SRCAA Regulation I, Section 6.05.B, 3/4/04(11/12/93)* -	Reasonable precautions must be taken to: a. Prevent PM from becoming airborne when constructing, altering, repairing, or demolishing buildings, appurtenances, and roads; b. Prevent tracking of PM onto paved roadways open to the public; c. Prevent the release of air contaminants, as specific in WAC 173-400-040(3)(a), if located in an attainment area and not impacting a NAA; d. Prevent PM from becoming airborne			1M

Condition Number	Basis for Requirement	Requirement	Reference Test Method, If Applicable	Averaging Time, If Applicable	MRRR Reference
	see note on page 5 WAC 173-400-040(9)(a), 3/1/11(8/20/93)* - see note on page 5	when handling, transporting, and /or storing PM; and  e. Prevent fugitive dust from becoming airborne and source must be maintained and operated to minimize emissions.			
II.A.6	WAC 173-400-040(5), 1/10/05 - STATE/LOCAL ONLY	Recognized good practices and procedures must be used to reduce odors to a reasonable minimum, in accordance with WAC 173-400-040(5) – STATE / LOCAL ONLY			1M
II.A.7	SRCAA Regulation I, Section 6.04, 4/2/10- STATE/LOCAL ONLY	It shall be unlawful for any person to cause or allow the emission of any air contaminant in sufficient quantities and of such characteristics and duration as is, or is likely to be:  a. Injurious to the health and safety of human, animal or plant life;  b. Injurious or cause damage to property; or  c. Which unreasonably interferes with enjoyment of life and property.  Compliance with this requirement shall be determined per the provisions given in SRCAA Regulation I, Section 6.04 (4/2/10)  STATE / LOCAL ONLY			1M
II.A.8	WAC 173-400-040(6), 3/1/11(8/20/93)* - see note on page 5  SRCAA Regulation I, Section 6.06.A, 3/4/04- STATE/LOCAL ONLY	No person shall cause or permit the emission of any air contaminant from any source if it is detrimental to the health, safety, or welfare of any person, or causes damage to property or business- STATE/LOCAL ONLY			1M
II.A.9	WAC 173-400-040(8), 3/1/11(8/20/93)* - see note on page 5 SRCAA Regulation I, 6.07, 3/4/04-	No person shall cause or permit the installation or use of any means which conceals or masks an emission of an air contaminant which would otherwise violate any provisions of Chapter 173-400 WAC - STATE/LOCAL ONLY			No MRRR required

Condition Number	Basis for Requirement	Requirement	Reference Test Method, If Applicable	Averaging Time, If Applicable	MRRR Reference
	STATE/LOCAL ONLY				
II.A.10	WAC 173-400-050(1) & WAC 173-400-050(3), 11/28/12(2/19/91)* - see note on page 5  NOTE: The exception in WAC 173-400-050(3) is STATE/LOCAL ONLY.	Particulate matter emissions from combustion and incineration units shall not exceed 0.1 gr/dscf, corrected to 7% oxygen, as specified in WAC 173-400-050(1) & WAC 173-400-050(3).  NOTE: The exception in WAC 173-400-050(3) is STATE/LOCAL ONLY. This exception allows for an alternate correction to measured concentrations (other than 7% oxygen) if determined by SRCAA to be representative of normal operations.	RM 5 (2000) or procedures in WAC 173-400-050 approved per Condition I.G.4-Source Testing	average of three one- hour tests	2M
II.A.11	WAC 173-400-060, 2/19/91  WAC 173-400-060, 1/10/05 – STATE/LOCAL ONLY	Particulate matter emissions from general process units shall not exceed 0.1 gr/dscf, as specified in WAC 173-400-060	RM 5 (2000) or procedures in WAC 173-400-060 approved per Condition I.G.4-Source Testing	average of three one- hour tests	No MRRR required
II.A.12	WAC 173-400-040(7), 3/1/11(8/20/93)* - see note on page 5  NOTE: The second paragraph of WAC 173-400-040(7) is STATE/LOCAL ONLY	SO2 emissions from each unit shall not exceed 1000 ppm on a dry basis, corrected to 7% oxygen, as specified in WAC 173-400-040(7).  NOTE: The second paragraph of WAC 173-400-040(7) is STATE/LOCAL ONLY	Procedures in WAC 173-400-105(4) approved per Condition I.G.4-Source Testing	any period of 60 consecutive minutes	2M
II.A.13	WAC 173-400-200, 1/10/05(2/19/91)* - see note on page 5	No use of excess stack height or dispersion techniques to meet ambient air quality standards or PSD increments except as allowed under WAC 173-400-200.			No MRRR required
II.A.14	WAC 173-400-205, 2/19/91	No varying of emissions according to atmospheric conditions or ambient concentrations except as allowed under WAC 173-400-205.			No MRRR required

Condition Number	Basis for Requirement	Requirement	Reference Test Method, If Applicable	Averaging Time, If Applicable	MRRR Reference
II.A.15	Chapter 173-425 WAC, 3/13/00(10/18/90)* - see note on page 5  SRCAA Regulation I, Section 6.01, 11/6/08 - STATE/LOCAL ONLY	No outdoor burning, except as allowed under Chapter 173-425 WAC and/or Regulation I of SRCAA, Section 6.01			No MRRR required
II.A.16	40 CFR Part 82, 2006 (except those subparts for which a shield is granted in Section III below – see Condition 24PS)	Handling and use of ozone-depleting substances must be in accord with 40 CFR Part 82.			No MRRR required

**B. UNIT 6A EMISSION LIMITATIONS**

This section of the permit covers Unit 6A at the site. This unit is a natural gas fired turbine manufactured by Solar Turbines, Inc. The unit is rated at 14,600 horsepower (ISO). Table II.B-1 contains pertinent information regarding Unit 6A.

Table II.B-1 - Unit 6A

Process #, Emission Point # (as listed in the permit application)	Description	Air Pollution Control Equipment
Process 2, #1	Unit 6A - Solar natural gas fired turbine rated at 14,600 hp (ISO) (NOC #404; PSD #90-02)	Lo-NOx combustion

Table II.B-2 provides the applicable requirements for the emission unit listed in Table II.B-1. Requirements that are not required under the FCAA are indicated by the phrase "STATE/LOCAL ONLY" after the legal citation and are not enforceable by EPA or citizens under the FCAA.

Table II.B-2 - Unit 6A Emission Limitations

Condition Number	Basis for Requirement	Requirement	Reference Test Method, If Applicable	Averaging Time, If Applicable	MRRR Reference
II.B.1	40 CFR § 60.332(a)(2), (a)(3), (d), & § 60.8(c), 7/8/04  WAC 173-400-115, 11/28/12	Except for as allowed in 40 CFR § 60.8(c), NOx emissions shall not exceed 199 ppm dry basis, corrected to 15% oxygen and ISO conditions.	40 CFR § 60.335 (20046) & RM 20 (11/6/08)	average of 3 21-minute tests	2M, 4M, 5M, 7M
II.B.2	NOC #404, Condition 2, 9/16/92 as revised on 7/22/97 and 6/6/00	NOx emissions shall not exceed 42 ppm (1-hour average) at maximum operating conditions (i.e., maximum achievable load during test) @ 15% oxygen and ISO conditions as defined in 40 CFR Part 60, Subpart GG.	RM 20 (11/6/08)	Average of 3 21-minute tests	2M, 4M, 5M, 7M
II.B.3	PSD #90-02 Amendment 1, Condition 1, 7/18/97	NOx emissions shall not exceed 42 ppm corrected to 15% oxygen and ISO conditions on a one-hour average.	40 CFR § 60.335 (2004) & RM 20 (11/6/08)	Average of 3 21-minute tests	2M, 4M, 5M, 7M
II.B.4	PSD #90-02 Amendment 1, Condition 1, 7/18/97  NOC #404, Condition 2, 9/16/92 as revised on 7/22/97 and 6/6/00	Annual NOx emissions shall not exceed 72.3 tons per year.			2M, 4M, 5M, 7M
II.B.5	NOC #404, Condition 2, 9/16/92 as revised on 7/22/97 and 6/6/00	During startup and shutdown, the procedures approved in accordance with Condition 3 of NOC #404 shall be followed.			No MRRR required
II.B.6	NOC #404, Condition 5, 9/16/92 as revised on 7/22/97 and 6/6/00	SO2 emissions shall not exceed 1.4 tons per year.		Calculate from fuel sulfur content	2M, 3M, 6M, 7M
II.B.7	40 CFR § 60.333(b), 7/8/04  WAC 173-400-115, 11/28/12	No fuel with sulfur content greater than 0.8% by weight shall be burned.			2M, 3M, 7M

Condition Number	Basis for Requirement	Requirement	Reference Test Method, If Applicable	Averaging Time, If Applicable	MRRR Reference
II.B.8	40 CFR § 60.11(d), 2000  WAC 173-400-115, 11/28/12	At all times, including periods of startup shutdown, and malfunction, to the extent practicable, the unit shall be operated in a manner consistent with good air pollution control practice for minimizing emissions.  Determination of whether acceptable operating and maintenance procedures are being used will be based on available information, including, but not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the equipment.			4M, 7M
II.B.9	NOC #404, Condition 4, 9/16/92 as revised on 7/22/97 and 6/6/00	PM10 emissions shall not exceed 2.3 tons per year.	RM 5 (2000) or procedures in WAC 173-400-050 approved per Condition I.G.4- Source Testing	Average of 3 one-hour tests	2M, 4M, 7M
II.B.10	NOC #404, Condition 6, 9/16/92 as revised on 7/22/97 and 6/6/00	CO emissions shall not exceed 49.5 tons per year.	RM 10 (8/14/06) or procedures in WAC 173-400-050 approved per Condition I.G.4- Source Testing	average of 3 one-hour tests	4M, 5M, 7M
II.B.11	NOC #404, Condition 7, 9/16/92 as revised on 7/22/97 and 6/6/00	Total VOC emissions shall not exceed 10 tons per year.	RM 25A (February 2000) or procedures in WAC 173-400-050 approved per Condition I.G.4- Source Testing	average of 3 one-hour tests	4M, 7M
II.B.12	NOC #404, Condition 8, 9/16/92 as revised on	Opacity from the exhaust shall not exceed 5% for an aggregate of more than 3 minutes in any one hour	Ecology Method 9A (September	3 minute aggregate in any 1-hour	2M, 4M, 7M



Condition Number	Basis for Requirement	Requirement	Reference Test Method, If Applicable	Averaging Time, If Applicable	MRRR Reference
	7/22/97 and 6/6/00  PSD #90-02 Amendment 1, Condition 2, 7/18/97	period.	20, 2004)	period	
II.B.13	NOC #404, Condition 10, 9/16/92 as revised on 7/22/97 and 6/6/00  PSD #90-02 Amendment 1, Condition 3, 7/18/97	The exhaust stack shall be equipped with permanent sampling ports, which meet the requirements of 40 CFR Part 60, Appendix A, Method 1, to allow for collection of stack gas samples, and the permittee shall provide safe access to the stack for testing personnel.			No MRRR required
II.B.14	NOC #404, Condition 11, 9/16/92 as revised on 7/22/97 and 6/6/00	SRCAA shall be notified at least two weeks prior to any planned changes that may affect emissions.			No MRRR required
II.B.15	NOC #404, Condition 13, 9/16/92 as revised on 7/22/97 and 6/6/00	Only pipeline quality natural gas shall be used as fuel.			2M, 3M, 7M
II.B.16	PSD #90-02 Amendment 1, Condition 8, 7/18/97	Operation shall be conducted in compliance with all data and specifications submitted as part of the PSD application unless otherwise approved by the Department of Ecology.			No MRRR required
II.B.17	PSD #90-02 Amendment 1, Condition 7, 7/18/97	Operating and maintenance manuals for all equipment that has the potential to affect emissions to the atmosphere shall be developed and followed. Copies of the manuals shall be made available to the Department of Ecology or SRCAA upon request. Emissions that result from a failure to follow the requirements of the manuals may be considered proof that the equipment was not properly operated and			No MRRR required

Condition Number	Basis for Requirement	Requirement	Reference Test Method, If Applicable	Averaging Time, If Applicable	MRRR Reference
		maintained.			
II.B.18	NOC #404, Condition 12, 9/16/92 as revised on 7/22/97 and 6/6/00	Like-kind engine exchanges shall not be considered to be new stationary air contaminant sources for the purposes of SRCAA Regulation I, Article V, provided that the requirements of Condition 8M are met. At such a time that the United States Environmental Protection Agency or the Department of Ecology issues findings on air quality requirements that apply to like-kind engine exchanges, this condition is no longer in effect, and SRCAA will revise this condition to be consistent with these findings.			8M

**C. UNIT 6B EMISSION LIMITATIONS**

This section of the permit covers Unit 6B at the site. This unit is an Ingersoll Rand / GE LM 1500 natural gas fired turbine, rated at 14,210 horsepower (ISO). Table II.C-1 contains pertinent information regarding Unit 6B.

Table II.C-1 - Unit 6B

Process #, Emission Point # (as listed in the permit application)	Description	Air Pollution Control Equipment
Process 3, #1	Unit 6B - Ingersoll Rand/GE LM 1500 natural gas fired turbine rated at 14,210 hp (ISO)	None

Table II.C-2 provides the applicable requirements for the emission unit listed in Table II.C-1. Requirements that are not required under the FCAA are indicated by the phrase "STATE/LOCAL ONLY" after the legal citation and are not enforceable by EPA or citizens under the FCAA.

Table II.C-2 - Unit 6B Emission Limitations

Condition Number	Basis for Requirement	Requirement	Reference Test Method, If Applicable	Averaging Time, If Applicable	MRRR Reference
II.C.1	NOC #404, Condition 12, 9/16/92 as	Like-kind engine exchanges shall not be considered to be new stationary air contaminant sources for the			8M

Condition Number	Basis for Requirement	Requirement	Reference Test Method, If Applicable	Averaging Time, If Applicable	MRRR Reference
	revised on 7/22/97 and 6/6/00	purposes of SRCAA Regulation I, Article V, provided that the requirements of Condition 8M are met. At such a time that the United States Environmental Protection Agency or the Department of Ecology issues findings on air quality requirements that apply to like-kind engine exchanges, this condition is no longer in effect, and SRCAA will revise this condition to be consistent with these findings.			

**D. UNIT 6C EMISSION LIMITATIONS**

This section of the permit covers Unit 6C at the site. This unit is a natural gas fired turbine manufactured by Solar Turbines, Inc. The unit is rated at 19,500 horsepower (ISO). Table II.D-1 contains pertinent information regarding Unit 6C.

Table II.D-1 - Unit 6C

Process #, Emission Point # (as listed in the permit application)	Description	Air Pollution Control Equipment
Process 4, #1	Unit 6C – Solar Titan natural gas fired turbine rated at 19,500 hp (ISO) (NOC #1103; PSD-01-05)	Lo-NOx combustion

Table II.D-2 provides the applicable requirements for the emission unit listed in Table II.D-1. Requirements that are not required under the FCAA are indicated by the phrase "STATE/LOCAL ONLY" after the legal citation and are not enforceable by EPA or citizens under the FCAA.

Table II.D-2 - Unit 6C Emission Limitations

Condition Number	Basis for Requirement	Requirement	Averaging Time, If Applicable	Reference Test Method, If Applicable	MRRR Reference
II.D.1	PSD #01-05 Amendment 1, Condition 1, 11/14/02  NOC #1103, Condition 5, 4/4/02 as revised on 9/11/02 and	Only natural gas, taken from the Transcanada GTN pipeline, shall be used to fire Unit 6C.			2M

Condition Number	Basis for Requirement	Requirement	Averaging Time, If Applicable	Reference Test Method, If Applicable	MRRR Reference								
	8/31/07												
II.D.2	40 CFR § 60.332(a)(2), (a)(3), (d), & § 60.8(c), 7/8/04  WAC 173-400-115, 11/28/12	Except for as allowed in 40 CFR § 60.8(c), NOx emissions shall not exceed 214 ppm dry basis, corrected to 15% oxygen and ISO conditions.	average of 3 20-minute tests	40 CFR § 60.335 (2004) & RM 20 (11/6/08)	2M, 10M, 11M, 17M, 12M, 18M								
II.D.3	PSD #01-05 Amendment 1, Conditions 4 & 10, 11/14/02	Emissions of nitrogen oxides (NOx) shall not exceed the limits given below, corrected to 15 percent oxygen and ISO conditions, based on a one-hour block average. The emissions limits given below, in units of ppm, do not apply during startup, shutdown, load changes and step to idle periods.  <table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: left;"><u>Operating Conditions</u></th> <th style="text-align: left;"><u>NOx Emission Limit</u></th> </tr> </thead> <tbody> <tr> <td>Hourly average ambient temperature greater than or equal to 0° F.</td> <td>25.0 ppm</td> </tr> <tr> <td>Hourly average ambient temperature less than 0° F.</td> <td>42.0 ppm</td> </tr> <tr> <td>Startup/ shutdown/ step to idle/load change</td> <td>0.330 lb/mscf</td> </tr> </tbody> </table>	<u>Operating Conditions</u>	<u>NOx Emission Limit</u>	Hourly average ambient temperature greater than or equal to 0° F.	25.0 ppm	Hourly average ambient temperature less than 0° F.	42.0 ppm	Startup/ shutdown/ step to idle/load change	0.330 lb/mscf	average of 3 one-hour tests	40 CFR 60 Subpart GG and 40 CFR 60 Appendix A, except the instrument span shall be reduced as appropriate	2M, 10M, 11M, 12M, 17M, 18M
<u>Operating Conditions</u>	<u>NOx Emission Limit</u>												
Hourly average ambient temperature greater than or equal to 0° F.	25.0 ppm												
Hourly average ambient temperature less than 0° F.	42.0 ppm												
Startup/ shutdown/ step to idle/load change	0.330 lb/mscf												
II.D.4	PSD #01-05 Amendment 1, Conditions 4 & 10, 11/14/02	Emissions of nitrogen oxides (NOx) shall not exceed 85.0 tons per year, based on a 12 month rolling total. Emissions that occur during startup, shutdown, load changes and step to idle periods shall be counted towards compliance with the annual emission limit and shall be based upon vendor recommendations or source test data.		40 CFR 60 Subpart GG and 40 CFR 60 Appendix A, except the instrument span shall be reduced as appropriate	2M, 10M, 11M, 12M, 17M, 18M								
II.D.5	PSD #01-05 Amendment 1, Condition 15, 11/14/02	Any activity, which is undertaken by the permittee or others, in a manner which is inconsistent with the PSD #01-05 application or determination, shall be subject to enforcement under the application regulations.			No MRRR required								
II.D.6	NOC #1103, Condition 1, 4/4/02 as	A copy of NOC #1103 and the conditions of approval shall be kept on site and made available to SRCAA			No MRRR required								

Condition Number	Basis for Requirement	Requirement	Averaging Time, If Applicable	Reference Test Method, If Applicable	MRRR Reference
	revised on 9/11/02 and 8/31/07	personnel upon request.			
II.D.7	NOC #1103, Condition 2, 4/4/02 as revised on 9/11/02 and 8/31/07	Unit 6C shall be maintained in proper working condition.			9M
II.D.8	NOC #1103, Condition 3, 4/4/02 as revised on 9/11/02 and 8/31/07	The exhaust stack shall have a minimum height of 59 feet above ground level and shall exhaust vertically. No elbows, tees, or stack caps that impede the vertical flow of air shall be installed at the end of the stack.			No MRRR required
II.D.9	NOC #1103, Condition 4, 4/4/02 as revised on 9/11/02 and 8/31/07	Visible emissions from the exhaust stack shall not exceed 5% opacity during any six-minute average.	6-minute average	EPA Reference Method 9	2M, 9M, 10M, 17M
II.D.10	NOC #1103, Condition 7, 4/4/02 as revised on 9/11/02 and 8/31/07  40 CFR § 60.333(b), 7/8/04  WAC 173-400-115, 11/28/12	The sulfur content of the natural gas burned shall not exceed 0.8% by weight.		ASTM Method D 1072-80 or 90, Method D 3031-81, Method D 4084-82 or 94, or Method D 3246-81, 91, or 96	3M, 17M, 18M
II.D.11	40 CFR § 60.11(d), 2000  WAC 173-400-115, 11/28/12	At all times, including periods of startup shutdown, and malfunction, to the extent practicable, the unit shall be operated in a manner consistent with good air pollution control practice for minimizing emissions.  Determination of whether acceptable operating and maintenance procedures are being used will be based available information, including, but not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and			9M, 17M

Condition Number	Basis for Requirement	Requirement	Averaging Time, If Applicable	Reference Test Method, If Applicable	MRRR Reference						
		inspection of the equipment.									
II.D.12	NOC #1103, Condition 11, 4/4/02 as revised on 9/11/02 and 8/31/07	<p>Emissions of carbon monoxide (CO) shall not exceed the limits given below, corrected to 15 percent oxygen and ISO conditions, based on a one-hour block average.</p> <table border="0"> <thead> <tr> <th style="text-align: left;"><u>Operating Conditions</u></th> <th style="text-align: left;"><u>CO Emission Limit</u></th> </tr> </thead> <tbody> <tr> <td>Between 92% and 100% gas generator speed with hourly average ambient temperature above 0° F</td> <td>50.0 ppmv</td> </tr> <tr> <td>Between 92% and 100% gas generator speed with hourly average ambient temperature between -40° and 0° F</td> <td>100.0 ppmv</td> </tr> </tbody> </table>	<u>Operating Conditions</u>	<u>CO Emission Limit</u>	Between 92% and 100% gas generator speed with hourly average ambient temperature above 0° F	50.0 ppmv	Between 92% and 100% gas generator speed with hourly average ambient temperature between -40° and 0° F	100.0 ppmv	average of 3 one-hour tests	EPA Reference Method 10	9M, 12M, 17M
<u>Operating Conditions</u>	<u>CO Emission Limit</u>										
Between 92% and 100% gas generator speed with hourly average ambient temperature above 0° F	50.0 ppmv										
Between 92% and 100% gas generator speed with hourly average ambient temperature between -40° and 0° F	100.0 ppmv										
II.D.13	NOC #1103, Condition 11, 4/4/02 as revised on 9/11/02 and 8/31/07	Annual CO emissions shall not exceed 88.8 tons per year, based on a twelve month rolling total. CO emissions generated during performance testing required by NOC #1103 while out of SoLoNOx mode will not be counted toward the 88.8 tons per year annual limit. However, all CO emissions, including those generated during performance testing while out of SoLoNOx mode must be reported on the annual Emission Inventory, required in Condition I.D.8.			11M, 12M, 13M, 14M, 17M						
II.D.14	NOC #1103, Condition 15, 4/4/02 as revised on 9/11/02 and 8/31/07	In the event Unit 6C must be removed for repair or overhaul, the unit may be replaced, as necessary, for routine maintenance, until April 4, 2020, provided that the replacement is a Solar Titan SoLoNOx turbine, rated at 19,500 hp (ISO) and the procedure outlined in Condition 8M is followed. Each replacement turbine must comply with the emission limits given in Condition II.D.12 for CO. For all other pollutants, emissions from each replacement turbine must be equivalent or less than the emission estimates presented in the NOC #1103 application. After April 4, 2020, the next replacement turbine is			8M						

Condition Number	Basis for Requirement	Requirement	Averaging Time, If Applicable	Reference Test Method, If Applicable	MRRR Reference
		subject to the new source review requirements in SRCAA Regulation I, Article V and Chapter 173-400 WAC. At such a time that the United States Environmental Protection Agency or the Department of Ecology issues findings on air quality requirements that apply to "like-kind" engine exchanges, this condition is no longer in effect, and the permittee shall instead comply with the applicable findings.			

**E. EMERGENCY GENERATOR EMISSION LIMITATIONS**

This section of the permit covers the emergency generator (aka auxiliary generator) at the site. This unit is a 1,462 hp Caterpillar Model G3516 natural gas fired emergency generator, installed at Station 6 in 2002. Table II.E-1 contains pertinent information regarding emergency generator.

TABLE II.E-1 – Emergency Generator (aka auxiliary generator)

Process #, Emission Point (as listed in the permit application)	Description	Air Pollution Control Equipment
Process 1, #1	1,462 hp Caterpillar Model G3516 natural gas fired emergency generator (NOC #1103; PSD-01-05)	None

Table II.E-2 provides the applicable requirements for the emission unit listed in Table II.E-1. Requirements that are not required under the FCAA are indicated by the phrase "STATE/LOCAL ONLY" after the legal citation and are not enforceable by EPA or citizens under the FCAA.

Table II.E-2 – Emergency Generator Emission Limitations

Condition Number	Basis for Requirement	Requirement	Averaging Time, If Applicable	Reference Test Method, If Applicable	MRRR Reference
II.E.1	PSD #01-05 Amendment 1, Condition 2, 11/14/02  NOC #1103, Condition 19,	Only natural gas, taken from the Transcanada GTN pipeline, shall be used to fire the auxiliary generator.			2M

Condition Number	Basis for Requirement	Requirement	Averaging Time, If Applicable	Reference Test Method, If Applicable	MRRR Reference
	4/4/02 as revised on 9/11/02 and 8/31/07				
II.E.2	PSD #01-05 Amendment 1, Condition 3, 11/14/02  NOC #1103, Condition 20, 4/4/02 as revised on 9/11/02 and 8/31/07	The auxiliary generator shall not operate for more than 150 hours per year, based on a 12 month rolling total			15M, 16M, 17M
II.E.3	PSD #01-05 Amendment 1, Condition 5, 11/14/02	NOx emissions from the auxiliary generator shall not exceed 0.48 tons per year, based on a 12 month rolling total.		40 CFR 60 Appendix A, Method 7E	15M, 16M, 17M
II.E.4	NOC #1103, Condition 17, 4/4/02 as revised on 9/11/02 and 8/31/07	The auxiliary generator shall be maintained in good operating condition.			16M
II.E.5	NOC #1103, Condition 18, 4/4/02 as revised on 9/11/02 and 8/31/07	Visible emissions from the auxiliary generator exhaust stack shall not exceed 5% opacity during any six-minute average.	6-minute average	EPA Reference Method 9	2M, 16M, 17M
II.E.6	40 CFR 63.6605(a), 8/20/10  WAC 173-400-075, 11/28/12	On and after October 19, 2013, the auxiliary generator engine oil and filter must be changed after every 500 hours of operation or annually, whichever comes first. The permittee may utilize an oil analysis program as described in 40 CFR 63.6625(i) in order to extend the oil change requirement.			16M, 17M
II.E.7	40 CFR 63.6605, 8/20/10  WAC 173-400-075, 11/28/12	On and after October 19, 2013, the auxiliary generator engine air cleaner must be inspected every 1,000 hours of operation or annually, whichever comes first.			16M, 17M
II.E.8	40 CFR	On and after October 19, 2013, all			16M, 17M



Condition Number	Basis for Requirement	Requirement	Averaging Time, If Applicable	Reference Test Method, If Applicable	MRRR Reference
	63.6605, 8/20/10  WAC 173-400-075, 11/28/12	hoses and belts on the auxiliary generator engine must be inspected every 500 hours of operation or annually, whichever comes first, and replaced as necessary.			
II.E.9	40 CFR 63.6605, 8/20/10  WAC 173-400-075, 11/28/12	On and after October 19, 2013, the auxiliary generator engine must be operated and maintained in a manner consistent with safety and good air pollution control practices for minimizing emissions at all times.			16M, 17M
II.E.10	40 CFR 63.6640, 8/20/10  WAC 173-400-075, 11/28/12	On and after October 19, 2013, the auxiliary generator engine may be operated for up to 100 hours per year for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine.  [Note: Condition II.E.2 limits total hours of operation to 150 hours per year, based on 12 month rolling total]			15M, 17M
II.E.11	40 CFR 63.6640, 8/20/10  WAC 173-400-075, 11/28/12	On and after October 19, 2013, the auxiliary engine may be operated for up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generator income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity, except as allowed under 40 CFR 63.6640(f)(iii).  [Note: Condition II.E.2 limits total hours of operation to 150 hours per year, based on 12 month rolling average]			15M, 17M

## F. MONITORING, RECORDKEEPING & REPORTING REQUIREMENTS

**1M.** The permittee, or an appointee, shall perform quarterly inspections of the facility during daylight hours while the facility is in operation to verify that each requirement for which this MRRR is specified in the “MRRR Reference” column in the above tables is being met and shall record and investigate complaints received regarding air quality problems. All inspections shall be conducted in accordance with 1M.a. For permit conditions requiring that reasonable precautions be taken or requiring the use of recognized good practices or procedures or effective control apparatus and measures, 1M.b. below shall apply.

- a. Inspections and investigations shall meet the following:
  - i. Quarterly inspections shall be performed during daylight hours while the facility is in operation.
  - ii. Complaints shall be investigated as soon as possible, but no later than 8 hours after receipt or by the end of the first regular business day during which the complaint was received, whichever is later. Receipt of a complaint does not, in and of itself, establish a violation.
  - iii. If violations of the requirement(s) are observed during the quarterly inspections and/or as part of the complaint investigation, the permittee shall take timely and appropriate corrective action. Action shall be considered timely and appropriate if any violations discovered are corrected as soon as possible, but no later than three working days of first observing the problem.
  - iv. Taking corrective action does not relieve the permittee from complying with the underlying emission limitation, nor does it relieve the permittee from the requirement to report any permit deviations as required in Condition I.D.7 – Prompt Reporting of Deviations.
  - v. The permittee shall maintain records of each inspection performed and complaint received. Records shall be kept in accordance with Condition I.D.5 – Retention of Records, and upon request, such records must be made available for inspection by SRCAA staff or other authorized representatives. Records shall include the following:
    - A. For inspections, the date and time of the inspection, observations made, and a description of any corrective action taken.
    - B. For complaints, the date and time that the complaint was received, the date and time of the complaint investigation, observations made during the investigation, and a description of any corrective action taken.
    - C. For both inspections and complaints, any other information required in Condition I.D.1- Records of Required Monitoring Information.
  - vi. If the permittee is unable to perform a quarterly inspection, due to unavoidable circumstances, the inspection may be waived, provided that records are kept, documenting the missed inspection and reason(s) the inspection was not performed.

The permittee shall develop and follow a monitoring plan, detailing how the above inspections will

be performed; how inspection records will be kept; and establishing a system for recording and investigating complaints received.

- b. The following are considered to be reasonable precautions; recognized good practices and procedures; and effective control apparatus and measures. Depending on the air quality problem being addressed, it may be necessary to implement one, several, or all of the precautions, practices, and procedures.
  - i. Reasonable precautions to prevent PM or fugitive dust from becoming airborne include, but are not limited to:
    - A. Using water or chemical dust suppressants on PM containing materials prior to and during activities that may release PM into the air. Re-application may be required periodically to maintain effectiveness;
    - B. Minimizing activity during high winds, if the winds are likely to cause the release of PM into the air;
    - C. Using covered chutes, covered containers, and/or PM collection and control equipment when handling, transferring, and/or storing PM containing materials;
    - D. Minimizing the free fall distance, i.e., drop height, of PM containing materials at transfer points such as the end of conveyors, front end loader buckets, loading spouts, etc...
    - E. Maintaining adequate freeboard and/or covering loads when transporting PM containing material;
    - F. Minimizing exposed areas of PM containing materials such as storage piles, graded surfaces, etc... and/or using tarps, chemical dust suppressants, vegetation, etc.. to minimize releases to air;
    - G. Keeping paved surfaces clean to minimize re-entrainment of PM into the ambient air; and/or
    - H. Limit vehicle speed to less than 15 miles per hour on unpaved areas.
  - ii. Reasonable precautions to prevent tracking of PM onto paved public roadways include, but are not limited to:
    - A. Paving unpaved traveled surfaces;
    - B. Graveling unpaved traveled surfaces. Gravel may need to be reapplied periodically to maintain effectiveness;
    - C. Paving or installing quarry spalls<sup>1</sup> at exit aprons;
    - D. Cleaning vehicle tires and undercarriages before exiting to paved public roadways; and/or
    - E. Promptly cleaning material that has been tracked out onto paved public roadways.

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<sup>1</sup> A quarry spall, aka rock entrance, is a buffer area consisting of very large aggregate, usually 4 to 8 inch crushed rock, which jars material free from tires and undercarriages.

- iii. Reasonable precautions to prevent release of air contaminants, other than PM, include, but are not limited to:
  - A. Using materials that decrease air contaminant emissions to the air, e.g., low-VOC materials and/or water based materials;
  - B. Using solvent containing materials with lower vapor pressures;
  - C. Keeping unused or partially used containers of organic solvent containing materials closed, except when in use;
  - D. Cleaning up all spills of organic solvent containing materials upon discovery and keeping the waste materials in closed containers; and/or
  - E. Keeping all disposable materials which contain organic solvents in closed containers.
- iv. Recognized good practices and procedures and effective control apparatus and measures to reduce odors include, but are not limited to:
  - A. Keeping odorous materials in closed containers or confined within a building;
  - B. Using ventilation systems which direct odor bearing gases away from neighboring residences and businesses;
  - C. Using scrubbers or other add-on control equipment to control odors;
  - D. Using materials which release less odorous compounds;
  - E. Disposing of odorous, or potentially odorous, materials promptly; and/or
  - F. Operating and maintaining equipment and processes in a manner that minimizes odors.

[WAC 173-401-615(1) & (2), 9/16/02]

**2M.** The permittee shall certify that only pipeline quality natural gas was used as fuel in all fuel fired equipment during the reporting period. [WAC 173-401-615(1) & (2), 9/16/02] [PSD #01-05, Amendment 1, Condition 6, 11/14/02]

**3M.** The permittee shall monitor the total sulfur content of the fuel being fired in the turbines according to the provisions given in 40 CFR 60.334. Per 40 CFR 60.334(h)(3)(i), the permittee may elect not to conduct daily monitoring of the sulfur content of the fuel, provided that a current, valid purchase contract, tariff sheet or transportation contract for the gaseous fuel, specifying that the maximum total sulfur content of the fuel is 20.0 grains/100 scf or less is submitted to SRCAA as part of the semi-annual monitoring report described in Condition I.D.6 – Monitoring Reports. For any period during which the sulfur content of the fuel being fired in Unit 6A exceeds 0.8% by weight, an excess emission report in accordance with 60.7(c), (d), and (e) shall be submitted to SRCAA.

If the permittee conducts daily monitoring of the sulfur content in the natural gas, the permittee shall notify SRCAA if the daily sulfur content in the natural gas exceeds 1 grain per 100 standard

cubic feet of gas. The notification shall occur no later than three business days after the exceedance occurs and include the daily average sulfur content recorded, the anticipated length of time of the exceedance, and the corrective actions taken to bring the sulfur content below 1 grain per 100 standard cubic feet of gas.

The permittee shall maintain a record documenting a constant supplier or source of fuel. A substantial change in fuel quality shall be considered as a change in fuel supply. Any changes in supplier or source of fuel shall be reported to SRCAA and EPA within 60 days of such change.

The permittee shall maintain a record of all turbine operation on fuels other than pipeline quality natural gas. Use of any fuel other than pipeline quality natural gas in the turbine shall be reported to SRCAA and EPA within 60 days of such use.

All records shall be kept in accordance with Condition I.D.1- Records of Required Monitoring Information and Condition I.D.5- Retention of Records.

[40 CFR § 60.334, 2/24/06] [40 CFR § 60.7(c), (d) & (e), 2000] [WAC 173-400-115, 11/28/12] [PSD #90-02 Amendment 1, Condition 5, 7/18/97] [NOC #404, Condition 15, 9/16/92 as revised on 7/22/97 and 6/6/00] [NOC #1103, Condition 8, 9, & 10, 5/4/02 as revised on 9/11/02 and 8/31/07]

**4M.** NO<sub>x</sub> emissions from Unit 6A shall either be monitored by a continuous emission monitoring system (CEMS) or by the alternative monitoring plan, dated April 2, 2007, or a subsequently SRCAA approved amendment. All revisions and/or additions to the alternative monitoring plan must be approved by SRCAA prior to implementation. Any CEMS used by GTN to measure NO<sub>x</sub> and O<sub>2</sub> emissions shall, at a minimum, conform with 40 CFR Part 60, Appendix B, Performance Specifications and shall provide one hour averages.

The required monitoring plan shall also be used to assure compliance with the PM<sub>10</sub>, visible emissions, CO and VOC emission limitations relying on the fact that if the unit is operating properly these emission standards should be met.

[PSD #90-02 Amendment 1, Conditions 1 & 4, 7/18/97] [NOC #404, Condition 14, 9/16/92 as revised on 7/22/97 and 6/6/00] [WAC 173-401-615(1) & (2), 9/16/02]

**5M.** If the alternative monitoring plan is used (see 4M above), source testing for NO<sub>x</sub> and CO emissions from Unit 6A shall be done according to the schedule given below to validate emission factors being used in the alternative plan and to demonstrate periodic compliance with the emission standards for NO<sub>x</sub> (Conditions II.B.1 –II.B.4) and CO (Condition II.B.10). The reference test methods listed in Conditions II.B.1 and II.B.10 shall be used for NO<sub>x</sub> and CO, respectively, unless alternate methods are approved by SRCAA. A written test plan shall be submitted to SRCAA for review at least 30 days prior the start of each source test. The test plan must be approved by SRCAA prior to the test. A source test report must be prepared and submitted to SRCAA within 45 calendar days of test completion.

All engines (i.e., current engine and any like-kind replacement engines) on Unit 6A shall be tested according to the following schedule:

- a. Source testing shall be conducted when the total hours of operation for the engine are between 5,000 and 10,000 hours, or SRCAA approved alternative timeline. For like-kind engine replacements, testing performed prior to installation is acceptable provided the testing was i) performed when total hours of operation for the replacement engine was between 5,000 and 10,000 hours or SRCAA approved alternate timeline, and ii) performed as required under 40 CFR Part 60, Subpart GG. Additional source testing shall be conducted as described in b. and c. below
- b. If the source tests described in a. above provide results that are greater than 80% of, but less than the emission standards for NO<sub>x</sub> (Conditions II.B.1 –II.B.4) and CO (Condition II.B.10), an additional source test shall be conducted when the total hours of operation for the engine are between 20,000 and 25,000 hours, or SRCAA approved alternative timeline.
- c. If the most recent test of the source tests described in a. and b. above provides results that are less than or equal to 80% of the emission standards for NO<sub>x</sub> (Conditions II.B.1 –II.B.4) and CO (Condition II.B.10), no additional source testing is required for the operational life of the engine, unless required in writing by SRCAA.

[WAC 173-401-615(1) & (2), 9/16/02]

**6M.** The permittee shall calculate SO<sub>2</sub> emissions annually by calculating the maximum amount of SO<sub>2</sub> which could be emitted, based on the fuel sulfur content monitoring required in 3M above, and assuming that all sulfur is converted to SO<sub>2</sub>. [NOC #404, Condition 5, 9/16/92 as revised on 7/22/97 and 6/6/00]

**7M.** The permittee shall maintain a file of all measurements for Unit 6A, in accordance with Condition I.D.5- Retention of Records, including continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on their systems or devices; and all other information required by 40 CFR Part 60 recorded in a permanent form suitable for inspection.

In addition, the permittee shall maintain the following records in accordance with Condition I.D.1- Records of Required Monitoring Information and Condition I.D.5- Retention of Records:

- a. Records sufficient to show that the alternative monitoring plan described in 4M is being followed, including records of each time the operational parameters included in the plan are reviewed, the results of the review, and any corrective action taken as a result;
- b. Records of the occurrence and duration of any start-up, shutdown, or malfunction in the operation of Unit 6A; and any malfunction of the air pollution control equipment; if such records are used for purposes of demonstrating compliance with emission limits given in 40 CFR 60, Subpart GG;
- c. monthly fuel consumption and operating hours; and
- d. fuel sulfur content, per the EPA approved custom schedule described in 3M.

[40 CFR § 60.7(b) & (f), 2/12/99] [WAC 173-400-115, 11/28/12] [NOC #404, Condition 16, 9/16/92]

as revised on 7/22/97 and 6/6/00]

**8M.** The permittee shall meet the requirements detailed in a. through e. below for each like-kind engine exchange for Units 6A, 6B, and 6C. At such a time that the United States Environmental Protection Agency or the Department of Ecology issues findings on air quality requirements that apply to "like-kind" engine exchanges, this condition is no longer in effect, and the permittee shall instead comply with the appropriate findings.

- a. The permittee shall notify SRCAA in writing of each engine replacement at least 30 days before the replacements are scheduled to occur. In situations where 30 days advance notice is impossible, due to an unexpected equipment failure or other maintenance problem, the notification shall occur within two days of determining that a replacement is required.
- b. If Unit 6A is being exchanged, the notification shall include verification that the replacement engine (as identified by a specific serial number) has been tested as required per Condition 5M. If the engine has not been tested, a performance test shall be conducted in accordance with Condition 5M once the engine is installed at the site.
- c. In notifications for Unit 6B change outs, the permittee shall provide a statement as to whether the engine being installed has been or will be reconstructed, as defined in 40 CFR §60.15. If the costs of expenditures on Unit 6B are as described in the GTN letter, dated July 17, 1998 [‘Overhaul versus New Unit’ Cost Comparison for NSPS Reconstruction Criteria, A.J. Cherian], the notification may include a statement to this effect and need not repeat any cost justification.
- d. If Unit 6B is being exchanged, the permittee shall include, in the notification, the date that the engine was manufactured.
- e. Upon replacement of Unit 6C, a performance test shall be performed on the new engine, in accordance with Condition 12M below or in accordance with conditions identified through a subsequent new source review process.

[NOC #1103, Condition 15, 4/4/02 as revised on 9/11/02 and 8/31/07] [NOC #404, Condition 12, 9/16/92 as revised on 7/22/97 and 6/6/00]

**9M.** An operation and maintenance (O&M) plan shall be developed and maintained for the Solar Titan turbine (Unit 6C). The O&M plan shall identify operational parameters and practices that constitute proper operation of the turbine and shall incorporate manufacturer recommended practices aimed at reducing emissions from the turbine. At a minimum, the O&M manual shall include:

- a. A description of the periodic maintenance activities that will be performed;
- b. The frequency each maintenance activity will be performed;
- c. Sample recordkeeping form(s) to be used to document the date and nature of maintenance activities performed; and
- d. Corrective actions to be taken if any operating parameter is outside of the normal range.

Once developed, the O&M plan must be followed. The O&M manual shall be maintained by the permittee and made available for review by state, federal, and local agencies. Records shall be kept to document that the O&M plan is followed, in accordance with Condition 17M.

[PSD #01-05 Amendment 1, Condition 13, 11/14/02] [NOC #1103, Condition 2, 4/4/02 as revised on 9/11/02 and 8/31/07]

**10M.** The permittee shall follow the Station 6 Unit C Proposed NOx Alternate Monitoring Plan, dated June 8, 2006, or a subsequent version approved by the Washington Department of Ecology and SRCAA, in place of the NOx Continuous Emission Monitoring as an alternate means of monitoring and reporting NOx emissions from Unit 6C.

[PSD #01-05 Amendment 1, Condition 9, 11/14/02] [WAC 173-401-615(1)&(2), 9/16/02]

**11M.** The ambient temperature at the input to the Solar Titan turbine shall be monitored continuously. The temperature sensors shall be serviced and maintained in accordance with the quality assurance / quality control (QA/QC) manual, dated 6/02 (received by SRCAA on 1/28/03). All revisions to the QA/QC manual must be approved by SRCAA prior to implementation.

[PSD #01-05 Amendment 1, Conditions 9 & 14, 11/14/02] [WAC 173-401-615(1)&(2), 9/16/02]

**12M.** All engines (i.e., current engine and any like-kind replacement engines) on Unit 6C shall be tested according to the following schedule:

1. A source test shall be performed when the total hours of operation for the engine are between 5,000 and 10,000 hours, or SRCAA approved alternative timeline. Additional source testing shall be conducted as described below.
2. If the source test described in 1 above provides results which are greater than 70% of the permitted NOx and/or CO emission limits, an additional source test shall be performed when the total hours of operation for the engine are between 12,500 and 17,500 hours, or SRCAA approved alternative timeline.
3. A source test shall be performed when the total hours of operation for the engine are between 20,000 and 25,000 hours, or SRCAA approved alternative timeline.
4. If excess emissions are reported to SRCAA, performance testing must be conducted within 60 days of the excess emissions report date, or SRCAA approved alternative timeline. Testing performed according to any of the schedules given in 1-3 above are acceptable for meeting this testing requirement, provided the testing was performed within 60 days after the excess emissions report date.

Each source test shall be performed as specified below. Alternative or equivalent test methods may be used with prior SRCAA approval.

- a. A written test plan shall be submitted to SRCAA for review at least 30 days prior the start of each performance test. The test plan must be approved by SRCAA prior to the test.
- b. Testing of the turbine shall be conducted as close as possible to 100% gas generator speed (NGG), 94% NGG, and 92% NGG operating in the SoLoNOx mode. The average of these tests shall be used to calculate the hourly emissions when the turbine is operating between 92%-



100% NGG.

- c. Testing of the turbine shall consist of three separate runs at each gas generator speed (NGG)
- d. The gas generator speed (NGG) and ambient temperature must be recorded during each test run and reported with the test results.
- e. The following constituents shall be measured during each run:
  - i. Volumetric flow rate and temperature, per EPA Methods 1 & 2 or Method 20;
  - ii. Oxygen (O<sub>2</sub>) & Carbon Dioxide (CO<sub>2</sub>), per EPA Method 20;
  - iii. Oxides of Nitrogen (NO<sub>x</sub>), per EPA Method 7E; and
  - iv. Carbon Monoxide (CO), per EPA Method 10.
- f. A performance test report must be prepared and submitted to SRCAA within 45 calendar days of test completion.

[NOC #1103, Condition 12, 4/4/02 as revised on 9/11/02 and 8/31/07]

**13M.** The permittee shall follow the SRCAA approved “CO Emissions Monitoring Plan for Unit 6C,” developed by GTN, dated June 13, 2002, or a subsequent version approved by SRCAA, to quantify the following:

- a. The number of hours that the turbine operates in SoLoNO<sub>x</sub> mode with hourly average ambient temperatures above 0° F;
- b. The number of hours that the turbine operates in SoLoNO<sub>x</sub> mode with hourly average ambient temperatures between –40° and 0° F; and
- c. The number of hours that the turbine operates out of SoLoNO<sub>x</sub> mode.

Any changes to the above referenced monitoring plan shall be approved by SRCAA prior to implementation. Monthly records shall be kept of the total number of hours that the turbine operates in the modes described in a. – c. above in accordance with Condition 17M.

[NOC #1103, Condition 13, 4/4/02 as revised on 9/11/02 and 8/31/07]

**14M.** The permittee shall calculate annual CO emissions from Unit 6C, using the following procedure:

- a. By the 30<sup>th</sup> day after the end of each month, the permittee shall calculate CO emissions for the month. To calculate the monthly emissions, the emissions described in i. – iii. below shall be computed and totaled:
  - i. The number of hours in the month that the turbine operated in SoLoNO<sub>x</sub> mode with hourly average ambient temperatures above 0° F shall be multiplied by the most recent SRCAA approved CO emission factor. The CO emission factor shall be updated after each subsequent performance test, based on the most recent test results, and applied to all hours of operation, which immediately follow the performance test. The permittee shall submit the proposed updated CO emission factor to be used for emission calculations, with each

subsequent performance test report, to SRCAA for approval.

- ii. The number of hours in the month that the turbine operated in SoLoNOx mode with hourly average ambient temperatures between -40° and 0° F shall be multiplied by the most recent SRCAA approved CO emission factor. The CO emission factor shall be updated after each subsequent performance test, based on the most recent test results, and applied to all hours of operation, which immediately follow the performance test. The permittee shall submit the proposed updated CO emission factor to be used for emission calculations, with each subsequent performance test report, to SRCAA for approval.
  - iii. The number of hours in the month that the turbine operated out of SoLoNOx mode shall be multiplied by 467 lb / hr, or a subsequent SRCAA approved CO emission factor for out of SoLoNOx mode.
- b. By the 30<sup>th</sup> day after the end of each month, the permittee shall calculate CO emissions for the most recent twelve months.

[NOC #1103, Conditions 11 & 14, 4/4/02 as revised on 9/11/02 and 8/31/07]

**15M.** A non-resetable hour meter shall be installed on the auxiliary generator to measure the hours of generator operation. The following records shall be kept for the generator's hours of operation each month:

- a. Hours of emergency operation, including what classified the operation as an emergency;
- b. Hours of non-emergency operation; and
- c. Total hours of operation.

At the end of each month, the monthly hours of operation records, described in a.- c. above, shall be totaled for the last twelve-month period. Additionally, the NOx emissions from the generator during the last twelve-month period shall be calculated. The NOx emissions shall be calculated by multiplying the NOx emission rate of the generator at full load by the total hours of operation during the last twelve-month period. Records of the rolling twelve month hours of operation and corresponding NOx emissions shall be kept in accordance with Condition 17M.

The permittee shall submit records of the monthly hours of operation and the corresponding NOx emissions from the generator to SRCAA in accordance with Condition 18M.

[PSD #01-05 Amendment 1, Conditions 7 & 8, 11/14/02] [NOC #1103, Condition 20, 4/4/02 as revised on 9/11/02 and 8/31/07] [WAC 173-401-615(1)&(2), 9/16/02] [40 CFR 63.6625, 63.6655, & 63.6660, 8/20/10] [WAC 173-400-075, 11/28/12]

**16M.** An operation and maintenance (O&M) plan shall be developed for the auxiliary generator. The O&M plan shall identify operational parameters and practices that constitute proper operation and maintenance of the generator. Manufacturer emission-related written operation and maintenance instructions may be used for the O&M plan, provided they include the items referenced in a. – d. below. At a minimum, the O&M plan shall include:

- a. A description of the periodic maintenance activities that will be performed;
- b. The frequency each maintenance activity will be performed;

- c. Sample recordkeeping form(s) to be used to document the date and nature of maintenance activities performed; and
- d. Corrective actions to be taken if any operating parameter is outside of the normal range.

Once developed, the O&M plan must be followed. Records shall be kept of all maintenance performed on the generator in order to document that the O&M plan is being followed. Records shall be kept in accordance with Condition 17M.

[NOC #1103, Condition 17, 4/4/02 as revised on 9/11/02 and 8/31/07] [PSD #01-05 Amendment 1, Condition 13, 11/14/02] [40 CFR 63.6625, 63.6655, & 63.6660, 8/20/10] [WAC 173-400-075, 11/28/12]

**17M.** The permittee shall maintain a file of all measurements for Unit 6C, in accordance with Condition I.D.5- Retention of Records, including continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on their systems or devices; and all other information required by 40 CFR Part 60 recorded in a permanent form suitable for inspection.

In addition, the permittee shall maintain the records described below in either paper copy or computer-readable format, in accordance with Condition I.D.1- Records of Required Monitoring Information and Condition I.D.5- Retention of Records. All required records shall be made available to SRCAA personnel or other authorized representatives upon request. Data from the CEMS will be used for compliance and enforcement purposes.

- a. Ambient temperature data, per the SRCAA approved QA/QC plan required in 11M;
- b. Results of all source tests performed on the Solar Titan turbine (Unit 6C);
- c. Monthly records of the amount of natural gas burned in Unit 6C;
- d. Sulfur content records for the natural gas fired in Unit 6C, as described in Condition 3M;
- e. Monthly records of the total number of hours that Unit 6C operates in the three modes described in Condition 13M;
- f. Completed recordkeeping forms used to document maintenance activities performed on Unit 6C, as described in Condition 9M;
- g. Monthly and most recent 12 month total CO emission calculations from Unit 6C, as described in Condition 14M;
- h. Completed recordkeeping forms, used to document maintenance activities performed on the generator, as described in Condition 16M;
- i. Monthly records of hours of operation of the generator and corresponding NO<sub>x</sub> emissions, as described in Condition 15M; and
- j. Records of the occurrence and duration of any start-up, shutdown, or malfunction in the operation of Unit 6C; and any malfunction of the air pollution control equipment; if such records are used for purposes of demonstrating compliance with emission limits given in 40 CFR 60,

Subpart GG.

[40 CFR § 60.7(b) & (f), 2000] [WAC 173-400-115, 11/28/12] [NOC #1103, Conditions 16 & 21, 4/4/02 as revised on 9/11/02 and 8/31/07] [WAC 173-401-615(1)&(2), 9/16/02]

**18M.** The permittee shall submit a report to SRCAA semiannually with the monitoring report described in Condition I.D.6, unless an alternate reporting schedule has been approved by SRCAA, and in a format approved by SRCAA, that includes the following:

- a. Calendar date or monitoring period;
- b. Total NOx emissions from the Solar Titan turbine during the previous 12 month period;
- c. Total duration the Solar Titan turbine operated at greater than or equal to 0° F during the reporting period;
- d. Total duration the Solar Titan turbine operated at less than 0° F during the reporting period;
- e. Total duration the Solar Titan turbine operated out of SoLoNOx mode during the reporting period;
- f. A summary of the sulfur content records for the natural gas fired in Unit 6C; and
- g. Monthly records of hours of operation total hours of operation of the generator and corresponding NOx emissions.

In addition, the permittee shall submit NOx excess emission reports to SRCAA and the results of any compliance source tests.

[PSD #01-05 Amendment 1, Condition 12, 11/14/02] [WAC 173-401-615(1)&(2), 9/16/02]

### III. PERMIT SHIELD

#### A. INAPPLICABLE REQUIREMENTS

The requirements listed in this section do not apply to the source, or to the specific emission units specified below. The permit shield applies to all requirements so identified. Citations to requirements that are not required under the FCAA are indicated by the phrase "STATE/LOCAL ONLY" after the legal citation and are therefore not enforceable by the Administrator and citizens under the FCAA. [WAC 173-401-640(2), 10/4/93]

**1PS. Fugitive Emissions Identified as a Significant Contributor to a Nonattainment Area.**

WAC 173-400-040(4)(b) and (9)(b) apply to any emissions unit which is a source of fugitive emissions that has been identified as a significant contributor to the nonattainment status of a designated nonattainment area. There are no nonattainment areas located in Spokane County, so these sections of the regulation do not apply. [WAC 173-400-040(4)(b) and (9)(b), 3/1/11]

**2PS. Emission Standards for Combustion and Incineration Units.** WAC 173-400-050(2) applies only to incineration units. Since there are no incinerators at GTN, this section of the

regulation does not apply. [WAC 173-400-050(2), 11/28/12]

**3PS. Emission Standards for Certain Source Categories.** WAC 173-400-070 applies to certain source categories, including wigwam burners, hog fuel burners, sulfuric acid plants, and municipal solid waste landfills. Since GTN does not have any emission units in the source categories covered under WAC 173-400-070, this regulation does not apply. [WAC 173-400-070, 11/28/12]

**4PS. Registration.** WAC 173-400-100 and 173-400-101 requires certain air contaminant sources to register with the appropriate air pollution control authority. This registration requirement, while no longer a part of the state regulation, is in the State Implementation Plan and is still a federal requirement. The registration requirement is established pursuant to RCW 70.94.151. State law, RCW 70.94.161(17), exempts air operating permit sources from registration programs established pursuant to RCW 70.94.151. Because the permittee is an air operating permit source, the rule does not apply. [WAC 173-400-100, 1/10/05] [WAC 173-400-101, 3/1/11]

**5PS. Retrofit Requirements for Visibility Protection.** WAC 173-400-151 applies to existing stationary facilities which have been identified by Ecology to cause or contribute to visibility impairment in any mandatory Class 1 federal area. GTN's Station 6 has not been identified to cause or contribute to visibility impairment in any Class 1 federal areas, so this section does not apply. [WAC 173-400-151, 1/10/05]

**6PS. Kraft Pulping Mills, Sulfite Pulping Mills, Primary Aluminum Plants.** Chapters 173-405, 173-410, and 173-415 WAC, apply to kraft pulping mills, sulfite pulping mills, and primary aluminum plants, respectively. Since GTN's facility does not include any of these sources, these regulations do not apply. [Chapter 173-405 WAC, 2/19/91] [Chapter 173-410 WAC, 2/19/91] [Chapter 173-415 WAC, 8/23/05]

**7PS. Agricultural Burning, Solid Fuel Burning Devices, Solid Waste Incinerator Facilities.** Chapters 173-430, 173-433, and 173-434 WAC apply to agricultural burning, solid fuel burning devices, and solid waste incinerator facilities, respectively. Since the facility does not engage in agricultural activities, does not contain any solid fuel burning devices, and is not considered a solid waste incinerator facility, these regulations do not apply. [Chapter 173-430 WAC, 11/10/10] [Chapter 173-433 WAC, 9/6/07] [Chapter 173-434 WAC, 12/22/03]

**8PS. Ambient Air Quality Standards and Emission Limits for Radionuclides.** Chapter 173-480 applies to radionuclide emission units in Washington. Since the facility does not contain any radionuclide emission units, this regulation does not apply. [Chapter 173-480 WAC, 5/23/07]

**9PS. State Regulation Establishing Emission Standards for VOC Sources Located in Ozone Nonattainment Areas.** Chapter 173-490 WAC, Emission Standards and Control for Sources of VOCs, applies only to areas that have been designated as nonattainment for ozone. In addition the rule only regulates specific categories of VOC sources. Because Spokane County has not been designated as a nonattainment area for ozone, the rule does not apply. [Chapter 173-490 WAC, 2/2/98]

**10PS. Motor Fuel Specifications for Oxygenated Gasoline.** Chapter 173-492 WAC applies to

all gasoline offered for sale within Spokane County from October 1 – February 29. Since the permittee does not offer gasoline for sale, this regulation does not apply. [Chapter 173-492 WAC, 9/18/96]

**11PS. 40 CFR Part 55 – Outer Continental Shelf Air Regulations.** This part applies to outer continental shelf sources. Since the facility does not include any outer continental shelf sources, this regulation does not apply. [40 CFR Part 55, 2002]

**12PS. 40 CFR Part 57 – Primary Nonferrous Smelter Orders.** This part applies to certain nonferrous smelters. Since the facility does not include any nonferrous smelters, this regulation does not apply. [40 CFR Part 57, 2002]

**13PS. 40 CFR Part 58 – Ambient Air Quality Surveillance.** This part applies to certain sources that are required to conduct ambient air quality surveillance. GTN is not required to conduct air quality surveillance, so this regulation does not apply. [40 CFR Part 58, 2002]

**14PS. 40 CFR Part 60 – Standards of Performance for New Stationary Sources.** A permit shield is granted for all portions of 40 CFR Part 60, except Subpart A, Subpart GG, and Appendices A and B. Unit 6A and 6C are subject to 40 CFR 60, Subpart GG, because they are stationary gas turbines which commenced construction, modification, or reconstruction after October 3, 1977. Unit 6B may be subject to Subpart GG if an engine change out or another project constitutes a modification or a reconstruction. [40 CFR Part 60, excluding Subpart A, Subpart GG, and Appendices A and B, 2000] [WAC 173-400-115, excluding Subpart A, Subpart GG, and Appendices A and B, 11/28/12]

**15PS. 40 CFR Part 61 - National Emission Standards for Hazardous Air Pollutants As Listed in Table III.A-1.** Table III.A-1 lists subparts of 40 CFR Part 61 for which a shield is granted. A summary of the reason the shield is granted is also provided. [40 CFR Part 61, Subparts as listed in Table III.A-1, 2002] [WAC 173-400-075(1), Subparts as listed in Table III.A-1, 11/28/12]

Table III.A-1

SUBPART OF 40 CFR PART 61	SOURCES TO WHICH THE SUBPART APPLIES	FINDINGS
Subpart B	Certain uranium mines	The facility is not the type of source regulated.
Subpart C	Certain plants that process various beryllium compounds including pure beryllium.	The facility is not the type of source regulated.
Subpart D	Rocket motor test sites	The facility is not the type of source regulated.

SUBPART OF 40 CFR PART 61	SOURCES TO WHICH THE SUBPART APPLIES	FINDINGS
Subpart E	Stationary sources that process mercury ore to recover mercury, use mercury chlor-alkali cells to produce chlorine gas and alkali metal hydroxide, and incinerate or dry wastewater treatment plant sludge.	The facility is not the type of source regulated.
Subpart F	Plants which produce ethylene dichloride by certain processes, produce vinyl chloride, and/or produce polymers containing any fraction of polymerized vinyl chloride.	The facility is not the type of source regulated.
Subpart H	Certain facilities owned or operated by the Department of Energy.	The facility is not the type of source regulated.
Subpart J	Certain equipment intended to operate in benzene service.	The facility is not the type of source regulated.
Subpart K	Calciners and nodulizing kilns at phosphorous plants.	The facility is not the type of source regulated.
Subpart L	Certain sources at furnace and foundry coke by-product recovery plants.	The facility is not the type of source regulated.
Subpart N	Glass melting furnaces using commercial arsenic as a raw material.	The facility is not the type of source regulated.
Subpart O	Copper converter at any new or existing primary copper smelter except as otherwise noted in the rule.	The facility is not the type of source regulated.
Subpart P	Metallic arsenic production plants and arsenic trioxide plants that process low-grade arsenic bearing materials by a roasting condensation process.	The facility is not the type of source regulated.
Subpart Q	Certain storage and disposal facilities for radium-containing material that are owned or operated by the Department of Energy.	The facility is not the type of source regulated.
Subpart T	Owners or operators of sites that are used for the disposal of tailings, and that manage residual radioactive material during and following the processing of uranium ores.	The facility is not the type of source regulated.

SUBPART OF 40 CFR PART 61	SOURCES TO WHICH THE SUBPART APPLIES	FINDINGS
Subpart V	Certain sources that are intended to operate in volatile hazardous air pollutant (VHAP) service including control devices required by this subpart.	The facility is not the type of source regulated.
Subpart W	Facilities licensed to manage uranium byproduct materials during and following the processing of uranium ores.	The facility is not the type of source regulated.
Subpart Y	Storage vessels that store benzene with specific gravities as specified in the subpart unless otherwise exempted in the subpart.	The facility is not the type of source regulated.
Subpart BB	Loading racks at which benzene is loaded into a transport vehicle at a benzene production facility or bulk terminal unless otherwise exempted in the subpart.	The facility is not the type of source regulated.
Subpart FF	Owners and operators of chemical manufacturing plants, coke by-product recovery plants, and petroleum refineries. Also, hazardous waste treatment, storage and disposal facilities that treat, store, or dispose of hazardous waste generated by chemical manufacturing plants, coke by-product recovery plants, and petroleum refineries.	The facility is not the type of source regulated.

**16PS. 40 CFR Part 63 - National Emission Standards for Hazardous Air Pollutants As Listed in Table III.A-2.** Table III.A-2 lists subparts of 40 CFR Part 63 for which a shield is granted. A summary of the reason the shield is granted is also provided. [40 CFR Part 63, Subparts as listed in Table III.A-2, 2013] [WAC 173-400-075(5), Subparts as listed in Table III.A-2, 11/28/12]

Table III.A-2



SUBPART OF 40 CFR PART 63	APPLICABLE FACILITIES	FINDINGS
Subparts F, G, H, & J	Certain chemical manufacturing plants as specified in the rule.	The facility is not the type of source regulated.
Subpart I	Certain chemical manufacturers as specified in the rule.	The facility is not the type of source regulated.
Subpart L	By-product and nonrecovery coke oven batteries at coke plants.	The facility is not the type of source regulated.
Subpart M	Dry cleaning facilities which use perchloroethylene.	The facility is not the type of source regulated.
Subpart N	Hard chromium electroplating, decorative chrome electroplating, and chromium anodizing.	The facility is not the type of source regulated.
Subpart O	Sterilization facilities except as otherwise exempted under the rule.	The facility is not the type of source regulated.
Subpart Q	Certain industrial process cooling towers using chromium based water treatment chemicals.	The facility is not the type of source regulated.
Subpart R	Certain bulk gasoline terminals and pipeline breakout stations. (The term pipeline refers to gasoline pipelines.)	The facility is not the type of source regulated.
Subpart S	Processes that produce pulp, paper, or paperboard	The facility is not the type of source regulated.
Subpart T	Certain solvent cleaning machines using solvents listed in the rule.	The facility is not the type of source regulated.
Subpart U	Certain elastomer product process units including wastewater streams and wastewater operations associated with the elastomer product process unit(s).	The facility is not the type of source regulated.
Subpart W	Certain manufacturers of basic liquid epoxy resins and wet strength resins.	The facility is not the type of source regulated.
Subpart X	Certain sources at secondary lead smelters.	The facility is not the type of source regulated.
Subpart Y	Affected sources as defined in the rule. (Source(s) means any location where at least one dock or loading berth is bulk loading onto marine tank vessels, except offshore drilling platforms and lightering operations.)	The facility is not the type of source regulated.
Subpart AA	Phosphoric acid manufacturing plants	The facility is not the type of source regulated.

SUBPART OF 40 CFR PART 63	APPLICABLE FACILITIES	FINDINGS
Subpart BB	Phosphate fertilizer production plants	The facility is not the type of source regulated.
Subpart CC	Petroleum refining process units and related emission points (as specified in the rule) that are at the plant site.	The facility is not the type of source regulated.
Subpart DD	Major sources of hazardous air pollutant that receives off-site materials and operates a waste management or recovery operation listed in the rule.	The facility is not the type of source regulated.
Subpart EE	Certain magnetic tape manufacturing operations.	The facility is not the type of source regulated.
Subpart GG	Major sources of hazardous air pollutants which manufacture or rework aerospace vehicles or components.	The facility is not the type of source regulated.
Subpart HH	Oil and natural gas production facilities	The facility is not the type of source regulated.
Subpart II	Major sources of hazardous air pollutants which build or repair ships.	The facility is not the type of source regulated.
Subpart JJ	Major sources of hazardous air pollutants that manufacture wood furniture or wood furniture components.	The facility is not the type of source regulated.
Subpart KK	Major source of hazardous air pollutants at which certain printing presses are operated.	The facility is not the type of source regulated.
Subpart LL	Primary aluminum reduction plants	The facility is not the type of source regulated.
Subpart MM	Chemical recovery combustion sources at various pulp mills	The facility is not the type of source regulated.
Subpart OO	Certain tanks for which another subpart of 40 CFR Part 60, 61, or 63 references the use of this subpart.	The facility is not the type of source regulated.
Subpart PP	Certain containers for which another subpart of 40 CFR Part 60, 61, or 63 references the use of this subpart.	The facility is not the type of source regulated.
Subpart QQ	Certain surface impoundments for which another subpart of 40 CFR Part 60, 61, or 63 references the use of this subpart.	The facility is not the type of source regulated.

SUBPART OF 40 CFR PART 63	APPLICABLE FACILITIES	FINDINGS
Subpart RR	Certain individual drain systems for which another subpart of 40 CFR Part 60, 61, or 63 references the use of this subpart.	The facility is not the type of source regulated.
Subpart SS	Closed vent systems, control devices, recovery devices, and routing to a fuel gas system or a process for which another subpart of 40 CFR Part 60, 61, or 63 references the use of this subpart.	The facility is not the type of source regulated.
Subpart TT and UU	Equipment leaks for which another subpart of 40 CFR Part 60, 61, or 63 references the use of this subpart	The facility is not the type of source regulated.
Subpart VV	Certain oil-water separators and organic-water separators for which another subpart of 40 CFR Part 60, 61, or 63 references the use of this subpart.	The facility is not the type of source regulated.
Subpart WW	Certain storage vessels for which another subpart of 40 CFR Part 60, 61, or 63 references the use of this subpart.	The facility is not the type of source regulated.
Subpart XX	Heat exchange systems and waste streams at new and existing ethylene production units.	The facility is not the type of source regulated.
Subpart YY	Source categories and affected sources specified in § 63.1103(a) through (h).	The facility is not the type of source regulated.
Subpart CCC	HCl process facilities and hydrochloric acid regeneration plants.	The facility is not the type of source regulated.
Subpart DDD	Mineral wool production facilities.	The facility is not the type of source regulated.
Subpart EEE	Hazardous waste combustors.	The facility is not the type of source regulated.
Subpart GGG	Pharmaceuticals production facilities.	The facility is not the type of source regulated.
Subpart HHH	Major sources of hazardous air pollutants that are natural gas transmission and storage facilities	Since the facility is not a major source of hazardous air pollutants, Subpart HHH does not apply.
Subpart III	Flexible polyurethane foam production facilities	The facility is not the type of source regulated.
Subpart JJJ	Certain thermoplastic product process	The facility is not the type of source

SUBPART OF 40 CFR PART 63	APPLICABLE FACILITIES	FINDINGS
	units.	regulated.
Subpart LLL	Portland cement manufacturing industry	The facility is not the type of source regulated.
Subpart MMM	Pesticide active ingredient production	The facility is not the type of source regulated.
Subpart NNN	Wool fiberglass manufacturing facilities	The facility is not the type of source regulated.
Subpart OOO	Manufacture of amino/phenolic resins	The facility is not the type of source regulated.
Subpart PPP	Polyether polyols production	The facility is not the type of source regulated.
Subpart QQQ	Primary copper smelters	The facility is not the type of source regulated.
Subpart RRR	Secondary aluminum production	The facility is not the type of source regulated.
Subpart TTT	Primary lead smelting	The facility is not the type of source regulated.
Subpart UUU	Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units at Petroleum Refineries	The facility is not the type of source regulated.
Subpart VVV	Major sources of hazardous air pollutants that are publicly owned treatment works	The facility is not the type of source regulated.
Subpart XXX	Ferroalloys production	The facility is not the type of source regulated.
Subpart AAAA	Municipal solid waste (MSW) landfills	The facility is not the type of source regulated.
Subpart CCCC	Manufacturing of nutritional yeast	The facility is not the type of source regulated.
Subpart DDDD	Facilities that manufacture plywood and/or composite wood products	The facility is not the type of source regulated.
Subpart EEEE	Organic liquids distribution (OLD) (non-gasoline) operations	The facility is not the type of source regulated.
Subpart FFFF	Miscellaneous organic chemical manufacturing process units (MCPU)	The facility is not the type of source regulated.
Subpart GGGG	Solvent extraction for vegetable oil production	The facility is not the type of source regulated.
Subpart HHHH	Wet-formed fiberglass mat production	The facility is not the type of source regulated.

SUBPART OF 40 CFR PART 63	APPLICABLE FACILITIES	FINDINGS
Subpart IIII	Facilities which surface coat new automobiles/ new light-duty truck bodies or body parts	The facility is not the type of source regulated.
Subpart JJJJ	Facilities at which web coating lines are operated.	The facility is not the type of source regulated.
Subpart KKKK	Metal can surface coating facilities	The facility is not the type of source regulated.
Subpart MMMM	Miscellaneous metal parts and products surface coating facilities	The facility is not the type of source regulated.
Subpart NNNN	Facilities that apply coatings to large appliance parts or products	The facility is not the type of source regulated.
Subpart OOOO	Fabric and other textiles printing, coating and dyeing operations	The facility is not the type of source regulated.
Subpart PPPP	Plastic parts and products surface coating facilities	The facility is not the type of source regulated.
Subpart QQQQ	Wood building products surface coating sources	The facility is not the type of source regulated.
Subpart RRRR	Metal furniture surface coating facilities	The facility is not the type of source regulated.
Subpart SSSS	Facilities that performs metal coil surface coating operations	The facility is not the type of source regulated.
Subpart TTTT	Leather finishing operations	The facility is not the type of source regulated.
Subpart UUUU	Cellulose products manufacturing operations	The facility is not the type of source regulated.
Subpart VVVV	Boat manufacturing	The facility is not the type of source regulated.
Subpart WWWW	Reinforced plastic composites production	The facility is not the type of source regulated.
Subpart YYYYY	Stationary combustion turbines	The facility is not the type of source regulated.
Subpart XXXX	Rubber tire manufacturing facility	The facility is not the type of source regulated.
Subpart AAAAA	Lime manufacturing plants.	The facility is not the type of source regulated.
Subpart BBBBB	Semiconductor manufacturing facilities	The facility is not the type of source regulated.
Subpart CCCCC	Pushing, soaking, quenching, and battery stacks at coke oven batteries	The facility is not the type of source regulated.

SUBPART OF 40 CFR PART 63	APPLICABLE FACILITIES	FINDINGS
	at coke plants	
Subpart DDDDD	Industrial, commercial, and institutional boilers and process heaters	The facility is not the type of source regulated.
Subpart EEEEE	Iron and steel foundries	The facility is not the type of source regulated.
Subpart FFFFF	Integrated iron and steel manufacturing facilities	The facility is not the type of source regulated.
Subpart GGGGG	Site remediation activities	The facility is not the type of source regulated.
Subpart HHHHH	Miscellaneous coating manufacturing	The facility is not the type of source regulated.
Subpart IIIII	Mercury cell chlor-alkali plants	The facility is not the type of source regulated.
Subpart JJJJJ	Brick and structural clay products (BSCP) manufacturing facilities	The facility is not the type of source regulated.
Subpart KKKKK	Clay ceramics manufacturing facilities	The facility is not the type of source regulated.
Subpart LLLLL	Asphalt processing and asphalt roofing manufacturing facilities	The facility is not the type of source regulated.
Subpart MMMMM	Flexible polyurethane foam fabrication operations	The facility is not the type of source regulated.
Subpart NNNNN	Hydrochloric acid (HCl) production	The facility is not the type of source regulated.
Subpart PTTTT	Engine test cells/stands	The facility is not the type of source regulated.
Subpart QQQQQ	Friction materials manufacturing facilities	The facility is not the type of source regulated.
Subpart RRRRR	Taconite iron ore processing	The facility is not the type of source regulated.
Subpart SSSSS	Refractory products manufacturing facilities	The facility is not the type of source regulated.
Subpart TTTTT	Primary magnesium refineries	The facility is not the type of source regulated.
Subpart WTTTT	Ethylene oxide sterilization facilities	The facility is not the type of source regulated.
Subpart YTTTT	Electric arc furnace (EAF) steelmaking facilities	The facility is not the type of source regulated.
Subpart ZTTTT	Iron and steel foundries	The facility is not the type of source regulated.

SUBPART OF 40 CFR PART 63	APPLICABLE FACILITIES	FINDINGS
		regulated.
Subpart BBBBBB	Area source gasoline distribution bulk terminals, bulk plants, and pipeline facilities	The facility is not the type of source regulated.
Subpart CCCCCC	Gasoline dispensing facilities	The facility is not the type of source regulated.
Subpart DDDDDD	Plants specified in § 40 CFR 61.61(c) that produces polyvinyl chloride (PVC)	The facility is not the type of source regulated.
Subpart EEEEEEE	Primary copper smelters	The facility is not the type of source regulated.
Subpart FFFFFFF	Secondary copper smelters	The facility is not the type of source regulated.
Subpart GGGGGG	Primary zinc production facility or primary beryllium production facilities	The facility is not the type of source regulated.
Subpart HHHHHH	Paint stripping operations, autobody refinishing operations, spray application of coatings containing target HAPs	The facility is not the type of source regulated.
Subpart JJJJJJ	Industrial, commercial, or institutional boilers	The facility is not the type of source regulated.
Subpart LLLLLL	Acrylic or modacrylic fibers production plants	The facility is not the type of source regulated.
Subpart MMMMMM	Carbon black production facilities	The facility is not the type of source regulated.
Subpart NNNNNN	Chromium compounds manufacturing facilities	The facility is not the type of source regulated.
Subpart OOOOOO	Flexible polyurethane foam production and fabrication facilities and rebond foam production facilities	The facility is not the type of source regulated.
Subpart PPPPPP	Lead acid battery manufacturing plants	The facility is not the type of source regulated.
Subpart QQQQQQ	Wood preserving operations	The facility is not the type of source regulated.
Subpart RRRRRR	Clay ceramics manufacturing facilities	The facility is not the type of source regulated.
Subpart SSSSSS	Glass manufacturing facilities	The facility is not the type of source regulated.
Subpart TTTTTT	Secondary nonferrous metals processing facilities	The facility is not the type of source regulated.
Subpart VVVVVV	Chemical manufacturing process units	The facility is not the type of source

SUBPART OF 40 CFR PART 63	APPLICABLE FACILITIES	FINDINGS
		regulated.
Subpart WWWWWWW	Plating and polishing facilities	The facility is not the type of source regulated.
Subpart XXXXXX	Specified metal fabrication and finishing source categories	The facility is not the type of source regulated.
Subpart YYYYYY	Ferroalloys production facilities	The facility is not the type of source regulated.
Subpart ZZZZZZ	Aluminum, copper, or other nonferrous foundries	The facility is not the type of source regulated.
Subpart AAAAAA	Asphalt processing operations and/or asphalt roofing manufacturing operations	The facility is not the type of source regulated.
Subpart BBBBBB	Chemical preparations facilities	The facility is not the type of source regulated.
Subpart CCCCCC	Facilities that perform paints and allied products manufacturing	The facility is not the type of source regulated.
Subpart DDDDDD	Prepared feeds manufacturing facilities	The facility is not the type of source regulated.
Subpart EEEEEEE	Gold mine ore processing and production facilities	The facility is not the type of source regulated.

**17PS. 40 CFR Part 64 – Compliance Assurance Monitoring.** This part applies to certain emission units that have pre-controlled emissions above the major source thresholds and utilize air pollution control equipment to control emissions. GTN does not utilize air pollution control equipment, so Part 64 does not apply. [40 CFR Part 64, 2002]

**18PS. 40 CFR Part 72 - Permits Regulation.** This rule implements the federal Acid Rain Program which applies to affect units as defined in the rule. GTN does not operate any affected units at the site. [40 CFR Part 72, 2002]

**19PS. 40 CFR Part 75 - Continuous Emission Monitoring.** This rule establishes the requirements for continuous emission monitoring for affected units under the Acid Rain Program. GTN does not have any affected units at the site. [40 CFR Part 75, 2002]

**20PS. 40 CFR Part 76 - Acid Rain Nitrogen Oxides Emission Reduction Program.** This rule establishes requirements for certain coal-fired utility units, coal-fired substitution units and compensating units, and coal-fired transfer units. GTN does not have any of these units at this site. [40 CFR Part 76, 2002]

**21PS. 40 CFR Part 77 - Excess Emissions.** This part sets forth the excess emissions offset



planning and offset penalty requirements for owners and operators of affected units under the Acid Rain Program. GTN does not have any affected units at this site. [40 CFR Part 77, 2002]

**22PS. 40 CFR Parts 79 and 80.** Parts 79 and 80 apply to the registration and regulation of fuels and fuel additives. GTN does not engage in any activities that would trigger these regulations, so they do not apply. [40 CFR Part 79 and 80, 2002]

**23PS. 40 CFR Part 82 - Protection of Stratospheric Ozone As Listed in Table III.A-3.** Table III.A-3 lists subparts of 40 CFR Part 82 for which a shield is granted. A summary of the reason the shield is granted is also provided. [40 CFR Part 82, Subparts as listed in Table III.A-3, 2002]

Table III.A-3

SUBPART OF 40 CFR PART 82	APPLICABILITY	FINDINGS
Subpart A	Persons who produce, transform, destroy, or export controlled substances or import a controlled product.	The facility does not participate in any of the regulated activities.
Subpart B	Persons performing service on a motor vehicle involving refrigerant in the vehicle's air conditioner.	The facility does not participate in any of the regulated activities.
Subpart C	Persons selling, distributing, or offering to sell or distribute, in interstate commerce certain products.	The facility does not participate in any of the regulated activities.
Subpart D	Departments, agencies, and instrumentalities of the United States.	The facility is not a department, agency, or instrumentality of the United States.
Subpart E	Manufacturers of products containing or manufactured with ozone depleting substances.	The facility does not participate in any of the regulated activities.

**24PS. Incinerator Burning and Incinerator Hours.** This regulation applies to incinerators operated within Spokane County. Since GTN does not operate any incinerators, this regulation does not apply. [SRCAA Regulation I, Section 6.03, 3/4/04]

**25PS. Agricultural Burning.** This regulation applies to agricultural burning in Spokane County. Since GTN does not engage in agricultural burning, this regulation does not apply. [SRCAA Regulation I, Section 6.11, 5/3/07]

**26PS. General Surface Coating.** SRCAA Regulation I, Section 6.13 establishes requirements for sources that perform surface coating. Since GTN does not perform surface coating, this regulation does not apply. [SRCAA Regulation I, Section 6.13, 3/4/04]

**27PS. Standards for Control of Particulate Matter on Paved and Unpaved Roads.** SRCAA

Regulation I, Section 6.14 applies to any state, county, city or local government or private company that applies sanding materials to or mechanically sweeps or vacuums paved surfaces within the PM10 nonattainment area or within the PM10 maintenance area after the nonattainment area is redesignated to attainment. It also applies to all suppliers of sanding materials to be used by the affected entities. SRCAA Regulation I, Section 6.15 applies to governmental entities responsible for the maintenance of unpaved roads within the PM10 nonattainment area. Since Station 6 is not located within the PM10 maintenance area and there are no nonattainment areas in Spokane County, these regulations do not apply. [SRCAA Regulation I, Sections 6.14 & 6.15, 5/3/07]

**28PS. Solid Fuel Burning Device Standards.** SRCAA Regulation I, Article VIII establishes emission standards, certification standards and procedures, curtailment rules, and fuel restrictions for solid fuel burning devices in order to attain the National Ambient Air Quality Standards for fine particulate matter (PM<sub>10</sub>). Solid fuels (i.e. wood, coal, or any other nongaseous or non-liquid fuels) are not burned at GTN Station 6. Therefore, this regulation does not apply. [SRCAA Regulation I, Article VIII, 9/6/07]

**29PS. Solid Fuel Burning Device Exemption Fees.** SRCAA Regulation I, Sections 10.10 contains fee schedules for solid fuel burning device exemptions in Spokane County. Since GTN does not operate any solid fuel burning devices, these regulations do not apply. [SRCAA Regulation I, Section 10.10, 10/7/10]