

June 1, 2011

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Ms. Lisa Jackson, Administrator  
U.S. Environmental Protection Agency  
Ariel Rios Building  
1200 Pennsylvania Avenue N.W.  
Washington, D.C. 20460

RE: Petition Requesting the Administrator Object to the Goldendale Generating Station, Title V Operating Permit (Number 06AQ-C025 Third Revision)

Dear Administrator Jackson:

This letter transmits my Petition requesting you object to the referenced *Clean Air Act* (CAA) Title V permit and a CD containing the same information. On copy are the permitting authority and the permittee, Puget Sound Energy. The referenced permit was issued as final on May 10, 2011.

Objections raised in this petition result only from public comments submitted during the public comment period. Objections are based on the following facts:

- The permit application does not contain any greenhouse gas emission information and was never updated with such information, as required;
- The draft permit overlooks all greenhouse gas applicable requirements; and
- The final permit does not contain any greenhouse gas applicable requirements, even though the Goldendale Generating Station has a potential-to-emit greenhouse gases in excess of six hundred thousand (600,000) tons per year.

Please let me know if you have any question or if you would like any additional information.

Sincerely,



Bill Green  
424 Shoreline Ct.  
Richland, WA 99354

EPA Administrator Jackson

June 1, 2011

Page 2 of 2

Attachment

cc: w. att.

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15 West Yakima Avenue, Suite #200  
Yakima, WA 98902-3401

Mr. Wayne R. Gould  
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**BEFORE THE ADMINISTRATOR  
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

IN THE MATTER OF BILL GREEN  
RICHLAND, WASHINGTON

TITLE V PERMIT REVISION  
ISSUED BY THE  
WASHINGTON STATE  
DEPARTMENT OF ECOLOGY,  
CENTRAL REGIONAL OFFICE

PERMIT NO. 06AQ-C025  
THIRD REVISION

PETITION REQUESTING THE ADMINISTRATOR OBJECT TO THE  
GOLDENDALE GENERATING STATION,  
TITLE V OPERATING PERMIT,  
NUMBER 06AQ-C025 THIRD REVISION

Pursuant to *Clean Air Act* (CAA) § 505 (b)(2) [42 U.S.C. 7661d (b)(2)] and 40 Code of Federal Regulations (C.F.R.) 70.8(d) Bill Green (Petitioner) hereby petitions the Administrator of the United States Environmental Protection Agency (EPA) to object to the Puget Sound Energy - Goldendale Generating Station Air Operating Permit, Number 06AQ-C025, Third Revision (Permit Revision). This Permit Revision occurred after January 2, 2011, the date greenhouse gas (GHG) emissions became subject to regulation under 40 C.F.R. 70<sup>1</sup>. As detailed below, the permitting process overlooked GHG emissions in the Permit Revision application, in the draft Permit Revision, and in the final Permit Revision. Because the permit revision process failed to consider GHG emissions from the Goldendale Generating Station, this Permit Revision does not comply with the CAA and with requirements of 40 C.F.R. 70. The Administrator is obligated to object to any final CAA Title V permit that was issued contrary to the requirements in 40 C.F.R. 70 and that fails to address emissions of all regulated air pollutants. (As used herein, the terms CAA Title V permit, Title V permit, air operating permit, and AOP are synonymous.)

The failure to consider GHG emissions in the permit revision process is a significant oversight. After completion of the public review the Puget Sound Energy - Goldendale Generating Station reported it has the potential-to-emit (PTE) greenhouse gases in excess of six hundred thousand (600,000) tons per year. The PTE a regulated air pollutant in excess of six hundred thousand (600,000) tons per year far exceeds the regulatory threshold of one hundred thousand (100,000) tons per year, a threshold that generally subjects a source to regulation under Title V of the CAA.

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<sup>1</sup> See *Tailoring Rule*, 75 Fed. Reg. 31,514 (June 3, 2010)

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## I. BACKGROUND

The Goldendale Generating Station (GGS) is a combined cycle natural gas-fired electrical generating facility located in Klickitat County, Washington. It consists of a combustion gas turbine-driven generator and a steam turbine driven generator. The GGS is rated to produce 277 megawatts of power when operating at maximum capacity.<sup>2</sup>

### I.A. Chronology

The Washington State Department of Ecology (Ecology), Central Regional Office (CRO) announced receipt of a complete air operating permit (AOP) application<sup>3</sup> from the Puget Sound Energy - Goldendale Generating Station (GGS) in the December 10, 2010 edition of the *Permit Register*<sup>4</sup>.

On January 2, 2011 greenhouse gases became subject to regulation under title V of the *Clean Air Act* and 40 C.F.R. 70. According to the *Tailoring Rule* (75 Fed. Reg. 31514, June 3, 2010)

“... Sources with title V permits must address GHG requirements when they apply for, renew, or revise their permits. These requirements will include any GHG applicable requirements (e.g., GHG BACT requirements from a PSD process) and associated monitoring, recordkeeping and reporting. When a permit application is otherwise required, they will also need to identify GHG emissions and other information in that application to the extent required under 40 CFR 70.5(c) and 71.5(c), including information necessary to determine applicable requirements. . .”  
(*Id.* at 31,523) (emphasis is mine)

In the January 25, 2011 edition of the *Permit Register*, Ecology CRO announced the availability of the draft GGS Permit Revision<sup>5</sup> for public comment<sup>6</sup>. This announced public comment period extended from January 21, 2011 through March 2, 2011.

Petitioner submitted a single comment by email dated January 27, 2011 and five (5) additional comments sent by certified letter (number 7010 18700001 6003 6769) dated February 23, 2011<sup>7</sup>. This certified letter was received by the Ecology CRO on February 24, 2011.

Ecology CRO responded to Petitioner's comments in a letter dated March 25, 2011<sup>8</sup>. No changes were made based on Petitioner's comments.

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<sup>2</sup> See [http://www.pse.com/aboutpse/psenewsroom/MediaKit/066\\_Goldendale.pdf](http://www.pse.com/aboutpse/psenewsroom/MediaKit/066_Goldendale.pdf)

<sup>3</sup> Attached as Exhibit 1.

<sup>4</sup> See [http://www.ecy.wa.gov/programs/air/permit\\_register/Permit\\_PastYrs/2010\\_Permits/2010\\_12\\_10.html](http://www.ecy.wa.gov/programs/air/permit_register/Permit_PastYrs/2010_Permits/2010_12_10.html)

<sup>5</sup> Draft AOP revision attached as Exhibit 2.

<sup>6</sup> See [http://www.ecy.wa.gov/programs/air/permit\\_register/Permit\\_PastYrs/2011\\_Permits/2011\\_01\\_25.html](http://www.ecy.wa.gov/programs/air/permit_register/Permit_PastYrs/2011_Permits/2011_01_25.html)

<sup>7</sup> All Petitioner's comments attached as Exhibit 3.

<sup>8</sup> Letter from Lynnette Haller, Washington State Department of Ecology, Central Regional Office to Bill Green, *Re: Goldendale Generating Station, Comments on Draft AOP No. 06AQ-C025 Third Revision*, Mar. 25, 2011. Attached as Exhibit 4.

Information obtained through the *Public Records Act* (RCW 42.56) shows that on March 28 and on April 28, 2011, the Goldendale Generating Station reported its potential-to-emit (PTE) greenhouse gases (GHG) to Ecology CRO.

“Based on the highest technical heat input observed over the last 7 years the plant has been operating (2,232 MMbtu/Hr), PSE [Puget Sound Energy] estimates the greenhouse gas (carbon dioxide equivalent) potential to emit emissions at 621,156 metric tons/year [683,272 short tons/year<sup>9</sup>] at peak load and 978,469 metric tons/year at baseload.”<sup>10</sup>

and:

“The PTE originally provided [above] included separate quantification for peak load and base load, same as below and the attached spreadsheet. After minor corrections, please see below for updated GHG PTE:

Peak Load = 684,708 ton/yr

Base Load = 1,142,483 ton/yr”<sup>11</sup>

The Final Goldendale Generating Station Permit Revision<sup>12</sup> was issued by Ecology CRO on May 10, 2011. The final Permit Revision does not include any GHG applicable requirements.

### **I.B. Regulatory framework**

Under section 505(a) of the CAA [42 U.S.C. 7661d (a)] and 40 C.F.R. 70.8(a), the permitting authority<sup>13</sup> is required to submit all proposed Title V operating permits to EPA for review. If EPA determines a permit is not in compliance with applicable requirements of the CAA or the requirements of 40 C.F.R. Part 70, EPA must object to the permit. If EPA does not object to the permit on its own initiative, section 505(b)(2) of the CAA [42 U.S.C. 7661d (b)(2)] and 40 C.F.R. 70.8(d) provide that any person may petition the Administrator, within 60 days of the expiration of EPA’s 45-day review period, to object to the permit. Under the CAA, EPA “shall issue an objection [to the issuance of a Title V permit]...if the petitioner demonstrates to the Administrator that the permit is not in compliance with the requirements of [the CAA]” or is not in compliance with the Title V implementing regulation.<sup>14</sup>

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<sup>9</sup> The *Tailoring Rule* requires emission quantification in short tons rather than metric tons. “. . . we are requiring that short tons be used as the basis for emission calculations used to meet PSD and title V permitting requirements.” [75 Fed. Reg. 31,514 (June 3, 2010) at 31,533] 621,156 metric tons/year equals about 683,272 short tons/year, where 1 metric ton = 1.1 short tons; as used wherein short tons = tons.

<sup>10</sup> Attached as Exhibit 5. Email with Excel attachment from Joey Henderson, Puget Sound Energy, to L. Haller, Ecology CRO, RE: *Goldendale Generating Station – Air Operating Permit application update*, Mar. 28, 2011, 1:15 PM. See Exhibit 5 at 2.

<sup>11</sup> *Id.* at 1. Email with Excel attachment from Joey Henderson, Puget Sound Energy, to L. Haller, Ecology CRO, RE: *Goldendale Generating Station – Air Operating Permit application update*, Apr. 28, 2011, 1:36 PM.

<sup>12</sup> Attached as Exhibit 6.

<sup>13</sup> As used herein the term “permitting authority” is as defined in 40 C.F.R. 70.2: “Permitting authority means. . . (2) The State air pollution control agency, local agency, other State agency, or other agency authorized by the Administrator to carry out a permit program under this part.”

<sup>14</sup> 42 U.S.C. 7661d (b)(2); see also “The Administrator will object to the issuance of any proposed permit determined not to be in compliance with applicable requirements or requirements under this part [70]”. 40 C.F.R. 70.8(c)(1)

Forty (40) C.F.R. 70 requires a petition be "...based only on objections to the permit that were raised with reasonable specificity during the public comment period...unless the petitioner demonstrates that it was impracticable to raise such objections within such period, or unless the grounds for such objection arose after such period." 40 C.F.R. 70.8(d)

A petition for administrative review does not stay the effectiveness of the permit or its requirements if the permit was issued after the expiration of EPA's 45-day review period and before receipt of the petition. If EPA objects to a permit in response to a petition and the permit has been issued, the permitting authority or EPA will modify, terminate, or revoke and reissue the permit<sup>15</sup> using procedures in 40 C.F.R. 70.7(g)(4) or (5)(i) and (ii).

## **II. BASES FOR OBJECTION**

Forty (40) C.F.R 70.8 (d) requires Petitioner's objections before the Administrator "... be based only on objections to the permit that were raised ... [in comments submitted] during the public comment period. ..." [40 C.F.R. 70.8 (d)] As advertised by Ecology CRO, the public comment period on the Puget Sound Energy - Goldendale Generating Station draft Permit Revision<sup>16</sup> extended from January 21, 2011 through March 2, 2011<sup>17</sup>. Petitioner submitted comments on two (2) different dates. A single comment was submitted by email on January 27, 2011<sup>18</sup>. Five (5) additional comments were sent by certified letter dated February 23, 2011<sup>19</sup>. This certified letter was received by the Ecology CRO on February 24, 2011. According to Exhibit 4, all Petitioner's comment were received by Ecology CRO within the advertised public comment period.

Forty (40) C.F.R 70.8 (d) also requires Petitioner's objections before the Administrator "... be based only on objections to the permit that were raised with reasonable specificity ..." [40 C.F.R. 70.8 (d)] As discussed below, the specific objections contained in Petitioner's comments are stated with sufficient specificity to alert Ecology CRO, the permitting authority, of regulatory problems surrounding the issuance process and final Permit Revision.

### **II.A. Listing of Objections**

The bases for requesting the Administrator object to the Puget Sound Energy - Goldendale Generating Station Air Operating Permit, Number 06AQ-C025, Third Revision (Permit Revision) are as follows:

1. Contrary to 40 C.F.R. 70.5 (c) the Puget Sound Energy - Goldendale Generating Station Permit Revision application omitted all information needed to determine the applicability of greenhouse gas applicable requirements.

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<sup>15</sup> See CAA § 505 (b)(3); 42 U.S.C. 7661d (b)(3).

<sup>16</sup> As used herein the terms "draft Permit Revision" and "draft permit" are synonymous. Both are as defined in 40 C.F.R. 70.2: "*Draft permit* means the version of a permit for which the permitting authority offers public participation under § 70.7(h) or affected State review under § 70.8 of this part."

<sup>17</sup> See [http://www.ecy.wa.gov/programs/air/permit\\_register/Permit\\_PastYrs/2011\\_Permits/2011\\_01\\_25.html](http://www.ecy.wa.gov/programs/air/permit_register/Permit_PastYrs/2011_Permits/2011_01_25.html)

<sup>18</sup> See Exhibit 3 at 1 and Exhibit 4 at 4.

<sup>19</sup> See Exhibit 3 at 2-3 and Exhibit 4 at 6-7.

2. Contrary to 40 C.F.R. 70 the draft Permit Revision presented to the public for review failed to contain all Part 70-applicable requirements. Missing are all applicable requirements regulating greenhouse gas emissions.
3. Contrary to CAA § 504 (a) [42 U.S.C. 7661c (a)] and 40 C.F.R. 70.6 (a)(1) the final Permit Revision issued by Ecology CRO does not contain all CAA Title V-applicable requirements. Missing are all applicable requirements regulating greenhouse gas emissions.

All above objections are contained in Petitioner's public comments<sup>20, 21</sup>. All Petitioner's public comments were submitted well within the January 21, 2011 through March 2, 2011 public review period. All Petitioner's comments were overlooked by Ecology CRO ("... no changes to the permit action were made as a result of your comments."<sup>22</sup>).

## **II.B Objections**

Unless otherwise specified, the terms "comment" and "comments" refer to the comment or comments contained in Exhibit 3. Petitioner's Exhibit 3 comments also appear as an attachment to Ecology CRO's responsiveness summary (Exhibit 4).

### **II.B-1. Incomplete Permit Revision Application**

Petitioner's first objection is that contrary to 40 C.F.R. 70.5 (c) the Puget Sound Energy - Goldendale Generating Station Permit Revision application omitted all information needed to determine the applicability of greenhouse gas (GHG) applicable requirements.

#### **II.B-1.1 Objection 1 was raised in Petitioner's public comments with "reasonable specificity" as required by 40 C.F.R. 70.8 (d)**

Forty (40) C.F.R 70.8 (d) requires Petitioner's objections before the Administrator "... be based only on objections to the permit that were raised with reasonable specificity ..." [40 C.F.R. 70.8 (d)] Petitioner's first objection is stated in the following excerpt from the email comment submitted on January 27, 2011.

"... When a permit application is otherwise required, they will also need to identify GHG emissions and other information in that application to the extent required under 40 CFR 70.5(c) and 71.5(c), including information necessary to determine applicable requirements. ..."  
(75 Fed. Reg. 31523, June 3, 2010)<sup>23</sup>

Petitioner's comment contains an accurate quote from the *Tailoring Rule* along with an accurate citation to the *Federal Register* page on which this quote appears. Petitioner's quote specifically cites to the federal requirements in 40 C.F.R. 70.5 (c). [Forty (40) C.F.R. 70.5 (c) requires a permit application include information necessary to determine

<sup>20</sup> See Petitioner's comments attached as Exhibit 3.

<sup>21</sup> With regard to objection 3; while the objection was raised in Petitioner's public comment, the basis for the objection did not arise until the permitting authority issued the final permit absent any greenhouse gas applicable requirements.

<sup>22</sup> See Exhibit 4.

<sup>23</sup> See Exhibit 3 at 1.

applicable requirements.] Thus Petitioner's objection is raised with reasonable specificity as required by 40 C.F.R. 70.8 (d).

### **II.B-1.2 Argument – Failure to comply with 40 C.F.R. 70.5 (c)**

Contrary to 40 C.F.R. 70.5 (c) the Puget Sound Energy - Goldendale Generating Station Permit Revision application omitted information needed to determine the applicability of greenhouse gas applicable requirements.

Forty (40) C.F.R. 70.5 (c) requires that “. . . [a]n application may not omit information needed to determine the applicability of, or to impose, any applicable requirement. . .” [40 C.F.R. 70.5 (c)] and further that “[a] permit application shall describe all emissions of regulated air pollutants emitted from any emissions unit. . .” 40 C.F.R. 70.5 (c)(3)(i).

Greenhouse gas emissions are regulated as an applicable requirement under 40 C.F.R. 70. Beginning on January 2, 2011 regulation of greenhouse gas (GHG) emissions was required for sources with a Title V permit. Pursuant to the *Tailoring Rule*<sup>24</sup>, as implemented by 40 C.F.R. 70, regulation of greenhouse gas emissions is required for any source with an existing Title V permit.

“For the first step of this *Tailoring Rule*, which will begin on January 2, 2011, . . . title V requirements will apply to sources' GHG emissions only if the sources are subject to . . . title V anyway due to their non-GHG pollutants.” 75 Fed. Reg. 31,514 (June 3, 2010)

Puget Sound Energy - Goldendale Generating Station had a Title V permit before January 2, 2011. According to the draft Permit Revision (Exhibit 2) “[t]he original permit was dated at Yakima, Washington on the 5<sup>th</sup> day of January, 2007.”<sup>25</sup> Thus, as of January 2, 2011 the Puget Sound Energy - Goldendale Generating Station is subject to the *Tailoring Rule*.

As further explained in the *Tailoring Rule* any application required to support revision of an existing Title V permit must contain information sufficient to determine the extent to which regulation of greenhouse gas emissions is required.

“When a permit application is otherwise required, they will also need to identify GHG emissions and other information in that application to the extent required under 40 CFR 70.5(c) and 71.5(c), including information necessary to determine applicable requirements. . .” 75 Fed. Reg. 31,523 (June 3, 2010)

In certain situations information in an application can be limited to only that which relates to the proposed revision. However, even under those situations the information provided still must be sufficient to determine all applicable requirements.

“To be deemed complete, an application must provide all information required pursuant to paragraph (c) of this section, except that applications for permit revision need supply such information only if it is related to the proposed change. Information required under paragraph (c) of this section must be sufficient to evaluate the subject source and its application and to determine all applicable requirements.” 40 C.F.R. 70.5 (a)(2) (emphasis added)

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<sup>24</sup> 75 Fed. Reg. 31,514 (June 3, 2010)

<sup>25</sup> See Exhibit 2 at 1. *Air Operating Permit, Phase II Acid Rain Permit, No. 06AQ-C025 Third Revision, Draft Permit.*

The Puget Sound Energy - Goldendale Generating Station Permit Revision is limited to changes in a specific subset of its Title V permit requirements. However, its application failed to contain information “. . . sufficient to evaluate the subject source and its application and to determine all applicable requirements.” 40 C.F.R. 70.5 (a)(2). The application submitted by the Puget Sound Energy - Goldendale Generating Station did not contain any information regarding greenhouse gas emissions.

Forty (40) C.F.R. 70 also requires a source to supplement its application with information regarding any new applicable requirements that become effective up until the time a draft permit is released.

*“Duty to supplement or correct application. . . an applicant shall provide additional information as necessary to address any requirements that become applicable to the source after the date it filed a complete application but prior to release of a draft permit.” 40 C.F.R. 70.5 (b)*

The Puget Sound Energy - Goldendale Generating Station submitted its application in 2010. Effective January 2, 2011 greenhouse gases became subject to regulation. The draft Permit Revision was released for public review on January 21, 2011. From January 2, 2011 to January 21, 2011, the date the draft Permit Revision was released, the Puget Sound Energy - Goldendale Generating Station breached its duty to supplement its application with information addressing its greenhouse gas emissions.

### ***II.B-1.3 Conclusion — Puget Sound Energy - Goldendale Generating Station Permit Revision application failed to comply with 40 C.F.R. 70.5 (c)***

Petitioner submitted a timely and specific comment pointing out that contrary to 40 C.F.R. 70.5 (c) the Puget Sound Energy - Goldendale Generating Station Permit Revision application was required to contain information needed to determine the applicability of greenhouse gas applicable requirements. Ecology CRO, the permitting authority, disregarded Petitioner’s public comment, stating “. . . no changes to the permit action were made as a result of your comments.”<sup>26</sup>.

Forty (40) C.F.R. 70.5 (c) specifies that “. . . [a]n application may not omit information needed to determine the applicability of, or to impose, any applicable requirement. . .” [40 C.F.R. 70.5 (c)] and further that “[a] permit application shall describe all emissions of regulated air pollutants emitted from any emissions unit. . .” 40 C.F.R. 70.5 (c)(3)(i). The Puget Sound Energy - Goldendale Generating Station Permit Revision required an application. The application submitted did not address all applicable requirements. Omitted from its application is all information regarding emission of greenhouse gases, a regulated air pollutant. Because the Puget Sound Energy - Goldendale Generating Station (GGS) Permit Revision application omitted information needed to determine the applicability of Title V applicable requirements regulating greenhouse gases and further failed to quantify its greenhouse gas emissions, the GGS Permit Revision application does not comply with 40 C.F.R. 70.5 (c).

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<sup>26</sup> See Exhibit 4 at 2.

#### **II.B-1.4 Consequence –failure to comply with 40 C.F.R. 70.5 (c)**

Failure to provide an application consistent with requirements in 40 C.F.R. 70.5 (c) is a significant oversight. Information obtained through the *Public Records Act* (RCW 42.56) shows that after close of the public comment period, the Puget Sound Energy - Goldendale Generating Station (GGS) did update its application to address greenhouse gas emissions. In this application update GGS states it has the potential-to-emit in excess of six hundred thousand (600,000) tons per year of greenhouse gases.<sup>27</sup> The potential-to-emit only one hundred thousand (100,000) tons per year of a regulated air pollutant, such as greenhouse gases, is generally sufficient to subject a source to regulation under Title V of the CAA and 40 C.F.R. 70. The Puget Sound Energy - Goldendale Generating Station's potential-to-emit far exceeds the one hundred thousand (100,000) tons per year threshold.

The GGS omission of required application information set in motion a chain of events resulting in production of a draft permit that omits all greenhouse gas (GHG) applicable requirements (*see* Objection 2, *infra*), a proposed permit that omits GHG applicable requirements, and a final permit that fails to contain any GHG applicable requirements (*see* Objection 3, *infra*); this despite the fact the Puget Sound Energy - Goldendale Generating Station reported it has the potential-to-emit more than six hundred thousand (600,000) tons per year of greenhouse gases<sup>28</sup>.

In 2009 the Administrator published a finding that greenhouse gas emissions endangered both public health and public welfare.

"The Administrator finds that six greenhouse gases taken in combination endanger both the public health and the public welfare of current and future generations. . . . These Findings are based on careful consideration of the full weight of scientific evidence and a thorough review of numerous public comments. . ." 74 Fed. Reg. 66,496 (December 15, 2009)

Failure to object to the Puget Sound Energy - Goldendale Generating Station Permit Revision in effect repudiates this finding.

#### **II.B-1.5 The Administrator must object**

Requirements of 40 C.F.R. 70.5 (c) cannot be met when an application omits information needed to determine applicability of any greenhouse gas applicable requirements. Nor can the requirements of 40 C.F.R. 70.5 (c) be met when the application fails to describe emissions of greenhouse gases, a regulated air pollutant.

" . . . [a]n application may not omit information needed to determine the applicability of, or to impose, any applicable requirement. . ." 40 C.F.R. 70.5 (c)

" . . . [a] permit application shall describe all emissions of regulated air pollutants emitted from any emissions unit. . ." 40 C.F.R. 70.5 (c)(3)(i).

By overlooking all of its greenhouse gas emissions, the Puget Sound Energy - Goldendale Generating Station did fail to comply with 40 C.F.R. 70.5 (c).

Failure to submit an application that complies with 40 C.F.R. 70.5 (c) is not a harmless oversight. The Administrator has already determined greenhouse gases "endanger both the

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<sup>27</sup> *Supra*, also see Exhibit 5 at 1-2.

<sup>28</sup> *See* Exhibit 5.

public health and the public welfare of current and future generations”<sup>29</sup>. The Administrator has no option but to object when an application avoids supplying information on regulated air pollutants controlled under Part 70; pollutants that endanger both the public health and the public welfare of current and future generations.

## **II.B-2. Incomplete Draft Permit Revision**

Petitioner’s second objection is that contrary to 40 C.F.R. 70 the draft Permit Revision presented to the public for review fails to contain all Part 70-applicable requirements. Missing are all applicable requirements regulating greenhouse gas emissions.

### **II.B-2.1 Objection 2 is raised in Petitioner’s public comments with “reasonable specificity” as required by 40 C.F.R. 70.8 (d)**

Forty (40) C.F.R 70.8 (d) requires Petitioner’s objections before the Administrator “... be based only on objections to the permit that were raised with reasonable specificity ...” [40 C.F.R. 70.8 (d)] Petitioner’s second objection is stated in comments 1 and 5 submitted to Ecology CRO via certified letter<sup>30</sup>. Following is an excerpt from *Comment 1*.

“I. The Goldendale Generating Station (GGS) draft air operating permit (AOP) revision fails to address the *Clean Air Act* (CAA) Title V applicable requirement regarding greenhouse gases (GHGs). (See the *Tailoring Rule*, 75 Fed. Reg. 31514, June 3, 2010; ...”

“In addressing regulatory ramifications of the *Tailoring Rule*, EPA explained:

“... Sources with title V permits must address GHG requirements when they apply for, renew, or revise their permits. These requirements will include any GHG applicable requirements (e.g., GHG BACT requirements from a PSD process) and associated monitoring, recordkeeping and reporting. ...” (75 Fed. Reg. 31523, June 3, 2010) (emphasis is mine).<sup>31</sup>

Petitioner’s *Comment 1* addresses the stated objection and further quotes that portion of the *Tailoring Rule* requiring sources to address greenhouse gas (GHG) requirements when they revise their permits.

Petitioner’s *Comment 5* is also specific to *Objection 2*. *Comment 5* reads as follows:

“Provide the public with the opportunity to review and comment on a draft GGS AOP revision that contains all applicable requirements along with the relevant information used by Ecology CRO to create those applicable requirements. Public participation requirements cannot be met when the version of the AOP offered to the public for review fails to contain all applicable requirements (including associated monitoring, recordkeeping, and reporting requirements) and the review material available to the public does not contain all relevant information (e.g., GHG calculations, underlying data) Ecology CRO uses to create the applicable requirements.”<sup>32</sup>

Petitioner’s comments 1 and 5 certainly meet the “reasonable specificity” threshold required by 40 C.F.R. 70.8 (d).

<sup>29</sup> 74 Fed. Reg. 66,496 (December 15, 2009)

<sup>30</sup> See Exhibit 3 at 3 and Exhibit 4 at 7. Ecology CRO received Petitioner’s letter on February 24, 2011.

<sup>31</sup> See Exhibit 3 at 3 and Exhibit 4 at 7.

<sup>32</sup> See Exhibit 3 at 3 and Exhibit 4 at 7.



### **II.B-2.2 Argument – Failure to comply with 40 C.F.R. 70**

Forty (40) C.F.R. 70 requires, in part, public participation for all “... significant modifications, ... including offering an opportunity for public comment ... on the draft permit...” 40 C.F.R. 70.7 (h) Ecology CRO has identified the Puget Sound Energy - Goldendale Generating Station Permit Revision as a significant modification<sup>33</sup>. Because the Puget Sound Energy - Goldendale Generating Station Permit Revision is a significant modification it is subject to the public participation requirements of 40.C.F.R. 70.7 (h). Such requirements include providing the draft Permit Revision to the public for review.

The ability of the public to comment on a draft significant modification is generally limited in scope to those applicable requirements addressed by that modification. The entire permit is not opened for comment when only a portion of the existing applicable requirements are changed; this, presumably, because the unchanged requirements have already been subject to public review in a previous permit action.

“Public objections to a draft permit, permit revision, or permit renewal must be germane to the applicable requirements implicated by the permit action in question. For example, objections addressed to portions of an existing permit that would not in any way be affected by a proposed permit revision would not be germane. Public comments will only be germane if they address whether the draft permit is consistent with applicable requirements or requirements of part 70.” 57 Fed. Reg. 32,250 (July 21, 1992) at 32,290

Ecology CRO appears to rely on the above limitation as a basis for disregarding Petitioner’s comments<sup>34</sup>. The scope of the Puget Sound Energy - Goldendale Generating Station significant modification is limited to changes in a specific subset of its Title V permit requirements. Thus, the unchanged requirements in the underlying permit are not available for public review. However, Ecology CRO’s argument mis-represents the subject of Petitioner’s comments. Petitioner’s comments specifically address new greenhouse gas applicable requirements NOT contained in the underlying permit. Petitioner’s comments DO NOT address any existing requirement in the Puget Sound Energy - Goldendale Generating Station’s permit.

When a source becomes subject to an applicable requirement not addressed in the underlying permit, the modification must also address the new requirement. This is because at the time a permit is issued it must contain all applicable requirements.

“Each permit issued under this part shall ... assure compliance with all applicable requirements at the time of permit issuance.” 40 C.F.R. 70.6 (a) (emphasis added)

Additional support is provided by the 40 C.F.R. 70.1 (b); a source must have a permit that assures compliance with all applicable requirements.

“All sources subject to these regulations shall have a permit to operate that assures compliance by the source with all applicable requirements.” 40 C.F.R. 70.1 (b) (emphasis added)

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<sup>33</sup> “This significant modification, per WAC 173-401-725(4),...” Exhibit 2 at 1

<sup>34</sup> “Note that the permit revision under review is specific to the incorporation of a revised ammonia emission limit, with no associated increase in any other air contaminant, and the administrative specification of an alternate Responsible Official / Designated Representative.” Exhibit 4 at 2.

In the *Tailoring Rule* EPA specifically addresses the point of Petitioner's comment; a source must include any new greenhouse gas (GHG) applicable requirements as part of any permit revision process.

"... Sources with title V permits must address GHG requirements when they apply for, renew, or revise their permits. These requirements will include any GHG applicable requirements (e.g., GHG BACT requirements from a PSD process) and associated monitoring, recordkeeping and reporting. . . ." 75 Fed. Reg. 31,523 (June 3, 2010) (emphasis added)

Control of greenhouse gas emissions is a new applicable requirement not addressed in the underlying permit. The new greenhouse gas applicable requirements must therefore be addressed in the draft Puget Sound Energy - Goldendale Generating Station significant modification.

The permitting process defined in 40 C.F.R. 70 consists of a progression of required documents that include a complete permit application. The complete application is followed by several versions of the permit; a draft permit<sup>35</sup>, a proposed permit<sup>36</sup>, and a final permit<sup>37</sup>. A draft permit (the version offered to the public for review) is a required antecedent of the final permit (the version issued by the permitting authority).

Forty (40) C.F.R. 70 does not specifically state a draft permit must contain all applicable requirements. However, 40 C.F.R. 70 does require permitting documents preceding and following the draft permit to contain all applicable requirements. A permit application immediately precedes the draft permit in the 40 C.F.R. 70 permitting process. Forty (40) C.F.R. 70.5 (c)<sup>38</sup> requires the application contain information regarding all applicable requirements.

"... [a]n application may not omit information needed to determine the applicability of, or to impose, any applicable requirement. . . ." 40 C.F.R. 70.5 (c)

and further:

"[a] permit application shall describe all emissions of regulated air pollutants emitted from any emissions unit. . . ." 40 C.F.R. 70.5 (c)(3)(i)

Issuance of a final permit concludes the permitting process. The final permit is required to contain all applicable requirements by 40 C.F.R 70.1 (b) and 70.6 (a)<sup>39</sup>.

"All sources subject to these regulations shall have a permit to operate that assures compliance by the source with all applicable requirements." 40 C.F.R. 70.1 (b)

and:

"Each permit issued under this part shall include the following elements: (1) Emissions limitations and standards, including those operational requirements and limitations that assure compliance with all applicable requirements at the time of permit issuance." 40 C.F.R. 70.6 (a)

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<sup>35</sup> "Draft permit means the version of a permit for which the permitting authority offers public participation under § 70.7(h) or affected State review under § 70.8 of this part." 40 C.F.R. 70.2

<sup>36</sup> "Proposed permit means the version of a permit that the permitting authority proposes to issue and forwards to the Administrator for review in compliance with § 70.8." 40 C.F.R. 70.2

<sup>37</sup> "Final permit means the version of a part 70 permit issued by the permitting authority that has completed all review procedures required by §§ 70.7 and 70.8 of this part." 40 C.F.R. 70.2

<sup>38</sup> See Objection 1, *supra*.

<sup>39</sup> See Objection 3, *infra*.

When both the preceding and following documents in the permitting process are required to contain all applicable requirements, the only supportable conclusion is that the draft permit must also contain all applicable requirements. To conclude otherwise would make possible the situation, in the extreme, whereby a draft permit offered to the public for review would contain no applicable requirements. A draft permit containing no applicable requirements would successfully defeat public participation required by 40 C.F.R. 70.7 (h). The public would effectively be denied the opportunity to impact the final permit through public comments.

Permit conditions controlling greenhouse gas emissions are Part 70-applicable requirements<sup>40</sup>. Greenhouse gas emission requirements do apply to the Puget Sound Energy - Goldendale Generating Station (GGS) because GGS has the potential-to-emit in excess of six hundred thousand (600,000) tons per year of greenhouse gases<sup>41</sup>. Yet the draft GGS Permit Revision does not contain any greenhouse gas applicable requirements.

#### **II.B-2.3 Conclusion – Puget Sound Energy - Goldendale Generating Station Draft Permit Revision failed to comply with 40 C.F.R. 70**

Petitioner submitted timely and specific comments pointing out the draft Puget Sound Energy - Goldendale Generating Station Permit Revision does not contain all applicable requirements. Overlooked in the draft Permit Revision are all greenhouse gas applicable requirements. Ecology CRO, the permitting authority, disregarded Petitioner's public comment, stating "... no changes to the permit action were made as a result of your comments."<sup>42</sup>.

Forty (40) C.F.R. 70 only supports the position that new applicable requirements not contained in the underlying permit must be included in the draft permit and thus subject to public review. Yet the draft Puget Sound Energy - Goldendale Generating Station Permit Revision omits all greenhouse gas applicable requirements.

#### **II.B-2.4 The Administrator must object**

In *New York Public Interest Research Group v. Whitman*<sup>43</sup>, (hereafter *NYPRIG v. Whitman*) the Second Circuit Court of Appeals held EPA was required to object to draft permits that were not in compliance with the CAA.

"We hold, therefore, that once NYPIRG demonstrated to the EPA that the draft permits were not in compliance with the CAA, the EPA was required to object to them."<sup>44</sup>

The *Whitman* Court also stated:

"... [CAA §] 505(b)(2) specifies that "the Administrator shall issue an objection" if a demonstration of non-compliance is made<sup>1512</sup>. [FN12]. . . Simply put, the Administrator is required to object to permits that violate the Clean Air Act. This duty to object to such permits is a nondiscretionary duty.

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<sup>40</sup> See the *Tailoring Rule* (75 Fed. Reg. 31514, June 3, 2010).

<sup>41</sup> See Exhibit 5.

<sup>42</sup> See Exhibit 4 at 2.

<sup>43</sup> *New York Public Interest Research Group v. Whitman*, 321 F.3d 316 (2nd Cir. 2003)

<sup>44</sup> *Id.* at 334.

Therefore, in the event a petitioner demonstrates that a permit violates the Act, the Administrator must object to that permit. 136 Cong. Rec. S16,895, S16,944 (1990).<sup>45</sup>

In the instant situation Petitioner's comments point out the draft Puget Sound Energy - Goldendale Generating Station Permit Revision does not contain any greenhouse gas applicable requirements. The permitting authority disregarded Petitioner's comments ("... no changes to the permit action were made as a result of your comments."<sup>46</sup>). After close of the public comment period Puget Sound Energy - Goldendale Generating Station (GGS) reported the potential-to-emit greenhouse gasses in excess of six hundred thousand (600,000) tons per year<sup>47</sup>.

The Administrator has already determined greenhouse gases

"... endanger both the public health and the public welfare of current and future generations. . . based on careful consideration of the full weight of scientific evidence and a thorough review of numerous public comments. . ."<sup>48</sup>

and the Administrator has already made greenhouse gasses subject to regulation under the *Tailoring Rule*<sup>49</sup> as implemented by 40 C.F.R. 70. Contrary to 40 C.F.R. 70, the draft Puget Sound Energy - Goldendale Generating Station Permit Revision does not contain any greenhouse gas applicable requirements. Because the draft Permit Revision inappropriately overlooks greenhouse gas applicable requirements and in accordance with the ruling in *NYPRIG v. Whitman*, the Administrator is obligated to object.

### **II.B-3. Incomplete Final Permit Revision**

Petitioner's third objection is that contrary to CAA § 504 (a) [42 U.S.C. 7661c (a)] and 40 C.F.R. 70.6 (a)(1) the final Puget Sound Energy - Goldendale Generating Station Permit Revision issued by Ecology CRO does not contain all CAA Title V-applicable requirements. Missing are all applicable requirements addressing greenhouse gas (GHG) emissions. While this objection is raised in Petitioner's comment, the basis for the objection did not arise until the permitting authority issued the final Permit Revision absent any greenhouse gas applicable requirements.

#### **II.B-3.1 Objection 3 is raised in Petitioner's public comments with "reasonable specificity" as required by 40 C.F.R. 70.8 (d)**

Forty (40) C.F.R 70.8 (d) requires Petitioner's objections before the Administrator "... be based only on objections to the permit that were raised with reasonable specificity . . ." [40 C.F.R. 70.8 (d)] Petitioner's third objection is stated in the following excerpt from the email comment submitted on January 27, 2011.

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<sup>45</sup> Id. at 333.

<sup>46</sup> See Exhibit 4 at 2.

<sup>47</sup> See Exhibit 5.

<sup>48</sup> 74 Fed. Reg. 66,496 (December 15, 2009)

<sup>49</sup> 75 Fed. Reg. 31,514 (June 3, 2010)

“According to WAC 173-401-600 (1) “Each permit shall contain terms and conditions that assure compliance with all applicable requirements at the time of permit issuance. . . .” (*See also, CAA section 504(a); 40 CFR 70.6(a)(1)*)”<sup>50</sup> (emphasis added)

Petitioner’s comment cites to both CAA § 504 (a) and 40 C.F.R. 70.6 (a)(1), and accurately quotes the corresponding Washington State regulation WAC 173-401-600 (1).

*Clean Air Act (CAA) § 504 (a)* requires that:

“Each permit issued under this title shall include enforceable emission limitations and standards. . . and such other conditions as are necessary to assure compliance with applicable requirements of this Act. . . .” CAA § 504 (a) [42 U.S.C. 7661c (a)]

Forty (40) C.F.R. 70.6 (a) implements this section of the CAA by similarly requiring that:

“Each permit issued under this part shall include. . . (1) Emissions limitations and standards, including those operational requirements and limitations that assure compliance with all applicable requirements at the time of permit issuance.” 40 C.F.R. 70.6 (a)

Because Petitioner’s objection cites to specific relevant paragraphs in both the CAA and implementing regulation, Petitioner’s comment more than meets the “reasonable specificity” threshold required by 40 C.F.R. 70.8 (d).

**B-3.2 Argument – Failure to comply with CAA § 504 (a) [42 U.S.C. 7661c (a)] and 40 C.F.R. 70.6 (a)**

The purpose of Title V of the CAA is to “. . . ensure that all of a source’s obligations with respect to each of the air pollutants it is required to control [are contained] in one permit document. . . .”<sup>51</sup>. That single document is the air operating permit or Title V permit. Congress codified this intention in CAA § 504 (a) [42 U.S.C. 7661c (a)] by requiring that:

“Each permit issued under this title shall include enforceable emission limitations and standards. . . and such other conditions as are necessary to assure compliance with applicable requirements of this Act. . . .” CAA § 504 (a) [42 U.S.C. 7661c (a)] (emphasis added)

EPA implemented this portion of the CAA in 40 C.F.R. 70.6 (a), requiring all affected sources have a permit to operate that assures compliance with all applicable requirements.

“All sources subject to these regulations shall have a permit to operate that assures compliance by the source with all applicable requirements.” 40 C.F.R. 70.1 (b) (emphasis added)

EPA further requires that a final permit contain all applicable requirements at the time the permit is issued.

“Each permit issued under this part shall include. . . (1) Emissions limitations and standards, including those operational requirements and limitations that assure compliance with all applicable requirements at the time of permit issuance.” 40 C.F.R. 70.6 (a) (emphasis added)

Beginning on January 2, 2011 greenhouse gases became subject to regulation under 40 C.F.R. 70<sup>52</sup>. Thus on January 2, 2011 control of greenhouse gas emissions became an

<sup>50</sup> See Exhibit 3 at 1 and Exhibit 4 at 4.

<sup>51</sup> Senate Report 101-228 (12-20-89) at 3730-31, which accompanied bill S. 1630 to amend the CAA

<sup>52</sup> See *The Tailoring Rule*, 75 Fed. Reg. 31,514 (June 3, 2010)

applicable requirement under 40 C.F.R. 70. Sources revising their Title V permit after that date are required to address their greenhouse gas (GHG) emissions.

"... Sources with title V permits must address GHG requirements when they apply for, renew, or revise their permits. These requirements will include any GHG applicable requirements (e.g., GHG BACT requirements from a PSD process) and associated monitoring, recordkeeping and reporting. . . ." 75 Fed. Reg. 31,523 (June 3, 2010) (emphasis added)

The Puget Sound Energy - Goldendale Generating Station Permit Revision occurred after January 2, 2011. However, contrary to CAA § 504 (a) [42 U.S.C. 7661c (a)] and 40 C.F.R. 70.6 (a)(1), the final permit<sup>53</sup> issued by Ecology CRO does not contain any greenhouse gas applicable requirements.

Regulation of greenhouse gas emissions is relevant to the Puget Sound Energy - Goldendale Generating Station. More than three (3) weeks after completion of the public review process the Goldendale Generating Station reported a potential-to-emit greenhouse gases in excess of six hundred thousand (600,000) tons per year.

"Based on the highest technical heat input observed over the last 7 years the plant has been operating (2,232 MMBtu/Hr), PSE [Puget Sound Energy] estimates the greenhouse gas (carbon dioxide equivalent) potential to emit emissions at 621,156 metric tons/year [683,272 short tons/year<sup>54</sup>] at peak load and 978,469 metric tons/year at baseload."<sup>55</sup>

Emission of a regulated air pollutant in excess of six hundred thousand (600,000) tons per year far exceeds the regulatory threshold of one hundred thousand (100,000) tons per year; a threshold that generally subjects a source to regulation under 40 C.F.R. 70.

Ecology CRO's first reason for overlooking CAA § 504 (a), 40 C.F.R. 70.6 (a)(1), and the Petitioner's comment is that the Puget Sound Energy - Goldendale Generating Station Permit Revision revised only a few conditions contained in its permit.

"Note that the permit revision under review is specific to the incorporation of a revised ammonia emission limit, with no associated increase in any other air contaminant, and the administrative specification of an alternate Responsible Official / Designated Representative."<sup>56</sup>

Under the *Tailoring Rule*, a revision is a revision. The rule does not accommodate a gradation of revisions culminating in a revision threshold. Any revision to a Title V permit is a revision that must also address greenhouse gas (GHG) applicable requirements.

"... Sources with title V permits must address GHG requirements when they . . . revise their permits." 75 Fed. Reg. 31,523 (June 3, 2010) (emphasis added)

Ecology CRO's second reason for overlooking CAA § 504 (a), 40 C.F.R. 70.6 (a)(1), and the Petitioner's comment, relies on *Reopening for cause* language contained in WAC 173-401-730. The corresponding federal regulatory paragraph is 40 C.F.R. 70.7 (f)(1)(i).

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<sup>53</sup> See Exhibit 6.

<sup>54</sup> The *Tailoring Rule* requires emission quantification in short tons rather than metric tons. "... we are requiring that short tons be used as the basis for emission calculations used to meet PSD and title V permitting requirements." [75 Fed. Reg. 31,514 (June 3, 2010) at 31,533] 621,156 metric tons/year equals about 683,272 short tons/year, where 1 metric ton = 1.1 short tons; as used wherein short tons = tons.

<sup>55</sup> See Exhibit 5 at 2. Email with Excel attachment from Joey Henderson, Puget Sound Energy, to L. Haller, Ecology CRO, RE: *Goldendale Generating Station - Air Operating Permit application update*, Mar. 28, 2011, 1:15 PM.

<sup>56</sup> See Exhibit 4 at 2.

*“Reopening for cause.”* (1) Each issued permit shall include provisions specifying the conditions under which the permit will be reopened prior to the expiration of the permit. A permit shall be reopened and revised under any of the following circumstances:

(i) Additional applicable requirements under the Act become applicable to a major part 70 source with a remaining permit term of 3 or more years. . . .” 40 C.F.R. 70.7 (f)(1)(i).

Ecology CRO asserts that because the current Puget Sound Energy - Goldendale Generating Station Permit (AOP No. 06AQ-C025 Second Revision), will expire on January 4, 2012 there is no obligation to address new greenhouse gas applicable requirements in the instant revision, the Third Revision. (emphasis added)

“[A]s specified in Washington Administrative Code (WAC) 173-401-730, a permit need only be revised to include new applicable requirements if the permit has a remaining term of three or more years. The current AOP No. 06AQ-C025 Second Revision, and any subsequent revision, will expire on January 4, 2012.”<sup>57</sup>

This Ecology CRO assertion is based on the impossible [i.e. while the “Third Revision” revises the “Second Revision” the “Third Revision” isn’t a revision and therefore is not subject to the *Tailoring Rule* requirement that “. . . [s]ources with title V permits must address GHG requirements when they . . . revise their permits.”<sup>58</sup>] (emphasis added)] A permit cannot be simultaneously revised and not revised.

However, Ecology CRO does accurately paraphrase an irrelevant regulatory paragraph; irrelevant because the *Reopening for cause* paragraph applies only to a permit (with a remaining term of three or more years) that has not already been opened for revision. The Second Revision of the Puget Sound Energy - Goldendale Generating Station Permit was revised and was reissued on May 10, 2011 as the Third Revision.

Ecology CRO’s reasons for not considering greenhouse gas applicable requirements fail to consider requirements in 40 C.F.R. 70.6 (a)(1) and CAA § 504 (a). Forty (40) C.F.R. 70.6 (a)(1) requires:

“Each permit issued under this part shall include . . . (1) Emissions limitations and standards, including those operational requirements and limitations that assure compliance with all applicable requirements at the time of permit issuance.” 40 C.F.R. 70.6 (a) (emphasis added)

Contrary to 40 C.F.R. 70.6 (a)(1), at the time the Puget Sound Energy - Goldendale Generating Station Permit (AOP No. 06AQ-C025 Third Revision) was issued it did not contain any greenhouse gas applicable requirements.

*Clean Air Act* (CAA) § 504 (a) requires:

“Each permit issued under this title shall include enforceable emission limitations and standards, . . . and such other conditions as are necessary to assure compliance with applicable requirements of this Act. . . .” CAA § 504 (a) [42 U.S.C. 7661c (a)] (emphasis added)

Contrary to CAA § 504 (a) the Puget Sound Energy - Goldendale Generating Station Permit (AOP No. 06AQ-C025 Third Revision) does not contain all applicable requirements. Missing are all applicable requirements regulating greenhouse gas emissions.

<sup>57</sup> See Exhibit 4 at 2.

<sup>58</sup> 75 Fed. Reg. 31,523 (June 3, 2010)

**II.B-3.3 Conclusion – Puget Sound Energy - Goldendale Generating Station Final Permit Revision failed to comply with CAA § 504 (a) [42 U.S.C. 7661c (a)] and 40 C.F.R. 70.6 (a)**

Petitioner submitted a timely and specific comment pointing out that CAA § 504 (a) and 40 C.F.R. 70.6 (a)(1) require the final Puget Sound Energy - Goldendale Generating Station Permit Revision to contain all applicable requirements. Ecology CRO disregarded Petitioner's public comment and issued the final Puget Sound Energy - Goldendale Generating Station Permit (AOP No. 06AQ-C025 Third Revision) that overlooks all greenhouse gas applicable requirements.

Regulation of greenhouse gas emissions is relevant to the Puget Sound Energy - Goldendale Generating Station because the Goldendale Generating Station has a potential-to-emit greenhouse gases in excess of six hundred thousand (600,000) tons per year<sup>59</sup>.

**II.B-3.4 The Administrator must object**

In interpreting the Administrator's statutory duty under 42 U.S.C. 7661d (b)(2), the Eleventh Circuit Court of Appeals stated the statutory language in 42 U.S.C. 7661d (b)(2)

“... contains both a discretionary and a nondiscretionary component: “The Administrator *shall* issue an objection ... if the petitioner *demonstrates* to the Administrator that the permit is not in compliance with the requirements of [the Clean Air Act]”. . . Congress's use of the word “shall” creates a nondiscretionary duty for the Administrator; it plainly mandates an objection whenever a petitioner demonstrates noncompliance.” *Sierra Club v. Johnson*, 541 F.3d 1257, 1265 (11th Cir. 2008)

The argument above and Exhibits contained herein demonstrate the final Puget Sound Energy - Goldendale Generating Station Permit Revision failed to contain all applicable requirements, contrary to CAA § 504 (a), 40 C.F.R. 70.6 (a)(1), and the Petitioner's timely comment.

The Administrator is obligated to object on the grounds the final permit for a source with the potential-to-emit greenhouse gases in excess of six hundred thousand (600,000) tons per year fails to contain any greenhouse gas applicable requirements.

**III. CONCLUSION**

As of January 2, 2011, greenhouse gases became “subject to regulation” under 40 C.F.R. 70. Any Title V permit revised after that date is required to address greenhouse gases. The Puget Sound Energy - Goldendale Generating Station Title V permit was revised after January 2, 2011. However, the entire Title V permit revision process ignores greenhouse gas emissions. The application does not contain any greenhouse gas emission information and was never updated with such information, as required. The draft permit overlooks all greenhouse gas applicable requirements. The final permit does not contain any greenhouse gas applicable requirements, even though the Goldendale Generating Station has a

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<sup>59</sup> See Exhibit 5.



potential-to-emit greenhouse gases in excess of six hundred thousand (600,000) tons per year.

Petitioner submitted timely and specific comments addressing:

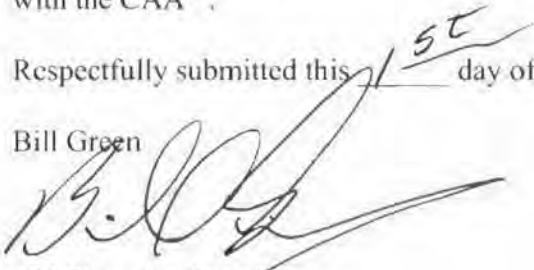
- the failure of the permit application to contain any greenhouse gas emission information;
- the failure of the draft permit to contain any greenhouse gas applicable requirements; and
- the statutory and regulatory obligation that the final permit contain all greenhouse gas applicable requirements. The final Permit Revision fails to contain any greenhouse gas applicable requirements.

All Petitioner's comments were disregarded.

For the reasons stated above, the Administrator must object to the Puget Sound Energy - Goldendale Generating Station Title V Permit Revision because it is not in compliance with the CAA<sup>60</sup>.

Respectfully submitted this 15<sup>th</sup> day of June, 2011

Bill Green

  
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cc: Ms. Lynnette Haller  
Washington State Department of Ecology,  
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Yakima, WA 98902-3401

Mr. Wayne R. Gould  
Director, Thermal Generation  
Puget Sound Energy  
PO Box 97034 PSE-04S  
Bellevue, WA 98004-97034

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<sup>60</sup> CAA § 505 (b) [42 U.S.C. § 7661d (b)]; 40 C.F.R. § 70.8(d); *New York Public Interest Research Group v. Whitman*, 321 F.3d 316, 333 n.12 (2nd Cir. 2003).

# *Exhibit 1*

Application and Related Emails:  
Puget Sound Energy - Goldendale Generating Station, Title V Operating Permit  
(Number 06AQ-C025 Third Revision)

Information obtained through the *Public Records Act*,  
Revised Code of Washington (RCW) 42.56.



**Haller, Lynnette A. (ECY)**

---

**From:** Haller, Lynnette A. (ECY)  
**Sent:** Wednesday, December 08, 2010 10:24 AM  
**To:** 'L Ed Odom'  
**Cc:** 'Henderson, Joey'; 'Wells, James'; 'Klug, Gerald'; Vicente, Ryan (ECY)  
**Subject:** Goldendale Generating Station, AOP Renewal -- Notification of Completeness  
**Attachments:** Incomplete application 9-1-10.pdf

December 8, 2010

L.E. Odom  
Director, Thermal & Wind Assets  
10885 NE 4<sup>th</sup> St  
PSE-04S  
Bellevue, WA 98009-9734

via email: [ed.odom@pse.com](mailto:ed.odom@pse.com)

Mr. Odom,

Thank you for submittal of Puget Sound Energy's Goldendale Generating Station *Air Operating Permit Renewal Application*. Ecology received the application on July 2, 2010. On September 1, 2010, we notified you of additional information needed to complete the application. The additional information was received November 4, 2010, and November 10, 2010.

We have reviewed the application and determined that it contains all of the required elements. Therefore, the application is complete pursuant to Washington Administrative Code (WAC) 173-401-500(7) and WAC 173-401-700(6).

This notification of completeness does not:

- limit our ability to request additional information prior to final action on your facility's AOP renewal application, pursuant to WAC 173-401-500(4); or
- limit your duty to supplement or correct information in your AOP renewal application, pursuant to WAC 173-401-500(6).

**We request that you please submit electronic versions of the site plans and flow diagram.** We prefer electronic files to paste into the Statement of Basis. PDF files would be acceptable. You may email them directly to me.

If you have any questions, please contact me.

Sincerely,

Lynnette Haller, PE  
Central Regional Air Quality Program  
Washington State Department of Ecology

address: 15 W Yakima Ave., Suite 200, Yakima, WA 98902

phone: 509.457.7126  
fax: 509.575.2809  
email: [lynnette.haller@ecy.wa.gov](mailto:lynnette.haller@ecy.wa.gov)

**From:** Haller, Lynnette A. (ECY)  
**Sent:** Wednesday, September 01, 2010 10:22 AM  
**To:** L Ed Odom  
**Cc:** 'Henderson, Joey'; Wells, James; 'Klug, Gerald'  
**Subject:** Air Permit Renewal -- Notification of Incompleteness

Mr. Odom,

The attached letter, regarding completeness of the Goldendale Generating Station Air Operating Permit & Phase II Acid Rain Permit Renewal Application, was issued today. You will receive the original by certified postal mail.

Lynnette Haller, PE  
Central Regional Air Quality Program  
Washington State Department of Ecology

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email: [lynnette.haller@ecy.wa.gov](mailto:lynnette.haller@ecy.wa.gov)

**Haller, Lynnette A. (ECY)**

---

**From:** Henderson, Joey [Joey.Henderson@pse.com]  
**Sent:** Wednesday, November 10, 2010 3:01 PM  
**To:** Haller, Lynnette A. (ECY)  
**Subject:** RE: Goldendale's incomplete AOP renewal application question

Lynnette,

During the current AOP renewal cycle, please update the Goldendale AOP with the below newly applicable requirement:

National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines (40 CFR Part 63, Subpart ZZZZ) applies to the onsite 536 horsepower emergency backup diesel generator located at Goldendale Generating Station, an area source of HAPs. The following requirements apply:

General Provisions 40 CFR Part 63 - Except per 63.6645(a)(5), the following do not apply: 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), and 63.9(b)-(e), (g), and (h)  
Emission Limitations - 63.6603 Table 2d  
Monitoring, Installation, Collection, Operation, and Maintenance Requirements - 63.6625(e), (f), (h), (i)  
Continuous Compliance - 63.6605 and 63.6640  
Recordkeeping Requirements - 63.6655 (except 63.6655(c))  
General Provisions 40 CFR Part 63 - Except per 63.6645(a)(5), the following do not apply: 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), and 63.9(b)-(e), (g), and (h)

Please let me know if this satisfies the necessary update and will suffice in order for Goldendale to receive a completeness determination on the AOP renewal application.

Thank you and don't hesitate to call if you have any questions-

Joey Henderson  
Program Manager - CT Compliance  
Puget Sound Energy  
Office Phone: 425.457.5835  
EnergyResourcesCompliance

**From:** Haller, Lynnette A. (ECY) [mailto:LHUL461@ECY.WA.GOV]  
**Sent:** Tuesday, November 02, 2010 10:23 AM  
**To:** Henderson, Joey  
**Subject:** RE: Goldendale's incomplete AOP renewal application question

Just submit the signed hard copy of the Acid Rain Application and the applicable requirement update.

**From:** Henderson, Joey [mailto:Joey.Henderson@pse.com]  
**Sent:** Wednesday, October 27, 2010 2:41 PM  
**To:** Haller, Lynnette A. (ECY)  
**Subject:** RE: Goldendale's incomplete AOP renewal application question

Thanks for the update Lynnette. Is there anything else PSE needs to get DOE to receive a completeness determination for Goldendale's AOP renewal application?

Joey Henderson  
Program Manager - CT Compliance  
Puget Sound Energy  
Office Phone: 425.457.5835  
EnergyResourcesCompliance

**From:** Haller, Lynnette A. (ECY) [mailto:LHUL461@ECY.WA.GOV]  
**Sent:** Friday, October 22, 2010 12:05 PM  
**To:** Henderson, Joey  
**Cc:** Best, Frederick -Fred; Klug, Gerald; Wells, James  
**Subject:** RE: Goldendale's incomplete AOP renewal application question

Joey,

I apologize for my tardy review and reply.

I agree that 40 CFR Part 63 Subpart ZZZZ applies. However, the 25 tons for "major sources" is referencing Federal Hazardous Air Pollutants (HAP), which is a slightly different list than the WA Toxic Air Pollutants (TAP) List. Ammonia is not on the HAP list. But, Subpart ZZZZ also applies to "area sources". Goldendale Generating Station is an area source. I am not aware of any other applicable federal regulation.

If you have any further questions/inquiries please contact me. Otherwise, I'll be looking for the hard copies.

Lynnette Haller, PE  
Central Regional Air Quality Program  
Washington State Department of Ecology

address: 15 W Yakima Ave., Suite 200, Yakima, WA 98902  
phone: 509.457.7126  
fax: 509.575.2809  
email: lynnette.haller@ecy.wa.gov

**From:** Henderson, Joey [mailto:Joey.Henderson@pse.com]  
**Sent:** Tuesday, October 05, 2010 4:25 PM  
**To:** Haller, Lynnette A. (ECY)  
**Cc:** Best, Frederick -Fred; Klug, Gerald; Wells, James  
**Subject:** Goldendale's incomplete AOP renewal application question

Lynnette,

We received your letter regarding PSE - Goldendale Generating Station's AOP Renewal Application, Notification of Incompleteness. The letter specified two items needed in order to complete the AOP renewal application.

The first item was renewing the acid rain permit. This has been completed and signed by PSE's designated representative (see attached). The original hardcopy will be mailed to you.

The second item was to check applicability of 'area source' MACTs. In going through the 40 CFR Part 63 National Emissions Standards for Hazardous Air Pollutants (NESHAPs) the one MACT that I found that could apply here is the 40 CFR Part 63, subpart ZZZZ Stationary Reciprocating Internal Combustion Engine (RICE) requirements. Since the site's potential to emit (PTE) for combined hazardous/toxic air pollutants (HAPs or TAPs) are greater than 25tpy it looks as though the emergency backup generator would fall under the new RICE NESHAP requirements.

I was hoping you could confirm that I have correctly interpreted the area source MACT applicability. I have attached Table 1 (included in the AOP Renewal Application) outlining Goldendale's TAPs. When you have time, can you email me or call me to discuss your thoughts?

Thanks for your help-

Joey Henderson  
Program Manager - CT Compliance  
Puget Sound Energy  
Office Phone: 425.457.5835  
EnergyResourcesCompliance





Puget Sound Energy  
P.O. Box 90868  
Bellevue, WA 98009-0868  
PSE.com

RECEIVED

NOV 04 2010

DEPARTMENT OF ECOLOGY - CENTRAL REGIONAL OFFICE

November 2, 2010

Lynnette Haller, PE  
Central Regional Air Quality Program, Ecology  
15 W Yakima Ave, Suite 200  
Yakima, WA 98902  
509-457-7126

**CERTIFIED MAIL/RETURN RECEIPT REQUESTED**

RE: Acid Rain Permit Renewal Application  
Puget Sound Energy – Goldendale Generating Station

Dear Ms. Haller:

Please find enclosed the Acid Rain Permit Renewal Application for Puget Sound Energy's Goldendale Generating Station located in Goldendale, Washington as required under 40 CFR Part 75. Please call if you have any questions or comments.

Sincerely,  
Puget Sound Energy

Joey Henderson  
Regulatory Compliance Consultant

ENC: Acid Rain Permit Renewal Application

C: Jimmy Wells, Goldendale Generating Station  
Goldendale Generating Station, File



# Acid Rain Permit Application

For more information, see instructions and 40 CFR 72.30 and 72.31.

This submission is: ☐ new ☐ revised ☒ for Acid Rain permit renewal

## STEP 1

Identify the facility name,  
State, and plant (ORIS)  
code.

GOLDENDALE GENERATING Facility (Source) Name STATION	WA State	55482 Plant Code
---	-------------	---------------------

## STEP 2

Enter the unit ID#  
for every affected  
unit at the affected  
source in column "a."

a	b
Unit ID#	Unit Will Hold Allowances in Accordance with 40 CFR 72.9(c)(1)
CTG-1	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes

### **Permit Requirements**

#### **STEP 3**

Read the standard requirements.

- (1) The designated representative of each affected source and each affected unit at the source shall:
  - (i) Submit a complete Acid Rain permit application (including a compliance plan) under 40 CFR part 72 in accordance with the deadlines specified in 40 CFR 72.30; and
  - (ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit;
- (2) The owners and operators of each affected source and each affected unit at the source shall:
  - (i) Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority; and
  - (ii) Have an Acid Rain Permit.

### **Monitoring Requirements**

- (1) The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the source or unit, as appropriate, with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.
- (3) The requirements of 40 CFR part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.

### **Sulfur Dioxide Requirements**

- (1) The owners and operators of each source and each affected unit at the source shall:
  - (i) Hold allowances, as of the allowance transfer deadline, in the source's compliance account (after deductions under 40 CFR 73.34(c)), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the affected units at the source; and
  - (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.
- (2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.
- (3) An affected unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:
  - (i) Starting January 1, 2000, an affected unit under 40 CFR 72.6(a)(2); or
  - (ii) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR part 75, an affected unit under 40 CFR 72.6(a)(3).

### **Sulfur Dioxide Requirements, Cont'd.**

STEP 3, Cont'd.

- (4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.
- (5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.
- (6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
- (7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

### **Nitrogen Oxides Requirements**

The owners and operators of the source and each affected unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

### **Excess Emissions Requirements**

- (1) The designated representative of an affected source that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77.
- (2) The owners and operators of an affected source that has excess emissions in any calendar year shall:
  - (i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and
  - (ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

### **Recordkeeping and Reporting Requirements**

- (1) Unless otherwise provided, the owners and operators of the source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority:
  - (i) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;

**Recordkeeping and Reporting Requirements, Cont'd.**

**STEP 3, Cont'd.**

- (ii) All emissions monitoring information, in accordance with 40 CFR part 75, provided that to the extent that 40 CFR part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.
  - (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,
  - (iv) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.
- (2) The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR part 72 subpart I and 40 CFR part 75.

**Liability**

- (1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.
- (2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.
- (3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
- (4) Each affected source and each affected unit shall meet the requirements of the Acid Rain Program.
- (5) Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the owners and operators of such source and of the affected units at the source.
- (6) Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such unit.
- (7) Each violation of a provision of 40 CFR parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

**Effect on Other Authorities**

No provision of the Acid Rain Program, an Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 shall be construed as:

- (1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating

<b>GOLDENDALE GENERATING STATION</b> Facility (Source) Name (from STEP 1)
--

**Effect on Other Authorities, Cont'd.**

**STEP 3, Cont'd.**

to applicable National Ambient Air Quality Standards or State Implementation Plans;

(2) Limiting the number of allowances a source can hold; *provided*, that the number of allowances held by the source shall not affect the source's obligation to comply with any other provisions of the Act;

(3) Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements under such State law;

(4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,

(5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

**Certification**

**STEP 4**

Read the  
certification  
statement,  
sign, and date.

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name <b>L.E. ODOM DIRECTOR, THERMAL + WIND ASSETS</b>	
Signature <b>L.E. Odom</b>	Date <b>10/04/2010</b>

## Haller, Lynnette A. (ECY)

---

**From:** Haller, Lynnette A. (ECY)  
**Sent:** Friday, October 22, 2010 12:05 PM  
**To:** 'Henderson, Joey'  
**Cc:** Best, Frederick -Fred; Klug, Gerald; Wells, James  
**Subject:** RE: Goldendale's incomplete AOP renewal application question  
**Attachments:** Haller, Lynnette A. (ECY).vcf

Joey,

I apologize for my tardy review and reply.

I agree that 40 CFR Part 63 Subpart ZZZZ applies. However, the 25 tons for "major sources" is referencing Federal Hazardous Air Pollutants (HAP), which is a slightly different list than the WA Toxic Air Pollutants (TAP) List. Ammonia is not on the HAP list. But, Subpart ZZZZ also applies to "area sources". Goldendale Generating Station is an area source. I am not aware of any other applicable federal regulation.

If you have any further questions/inquiries please contact me. Otherwise, I'll be looking for the hard copies.

Lynnette Haller, PE  
Central Regional Air Quality Program  
Washington State Department of Ecology

address: 15 W Yakima Ave., Suite 200, Yakima, WA 98902  
phone: 509.457.7126  
fax: 509.575.2809  
email: [lynnette.haller@ecy.wa.gov](mailto:lynnette.haller@ecy.wa.gov)

**From:** Henderson, Joey [<mailto:Joey.Henderson@pse.com>]  
**Sent:** Tuesday, October 05, 2010 4:25 PM  
**To:** Haller, Lynnette A. (ECY)  
**Cc:** Best, Frederick -Fred; Klug, Gerald; Wells, James  
**Subject:** Goldendale's incomplete AOP renewal application question

Lynnette,

We received your letter regarding PSE - Goldendale Generating Station's AOP Renewal Application, Notification of Incompleteness. The letter specified two items needed in order to complete the AOP renewal application.

The first item was renewing the acid rain permit. This has been completed and signed by PSE's designated representative (see attached). The original hardcopy will be mailed to you.

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I was hoping you could confirm that I have correctly interpreted the area source MACT applicability. I have attached Table 1 (included in the AOP Renewal Application) outlining Goldendale's TAPs. When you have time, can you email me or call me to discuss your thoughts?

Thanks for your help-

Joey Henderson  
Program Manager - CT Compliance  
Puget Sound Energy  
Office Phone: 425.457.5835  
EnergyResourcesCompliance



**Haller, Lynnette A. (ECY)**

---

**From:** Haller, Lynnette A. (ECY)  
**Sent:** Wednesday, September 01, 2010 10:22 AM  
**To:** L Ed Odom  
**Cc:** 'Henderson, Joey'; Wells, James; 'Klug, Gerald'  
**Subject:** Air Permit Renewal -- Notification of Incompleteness  
**Attachments:** Incomplete application 9-1-10.pdf

Mr. Odom,

The attached letter, regarding completeness of the Goldendale Generating Station Air Operating Permit & Phase II Acid Rain Permit Renewal Application, was issued today. You will receive the original by certified postal mail.

Lynnette Haller, PE  
Central Regional Air Quality Program  
Washington State Department of Ecology

address: 15 W Yakima Ave., Suite 200, Yakima, WA 98902  
phone: 509.457.7126  
fax: 509.575.2809  
email: [lynnette.haller@ecy.wa.gov](mailto:lynnette.haller@ecy.wa.gov)



STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

15 W Yakima Ave, Ste 200 • Yakima, WA 98902-3452 • (509) 575-2490

September 1, 2010

L.E. Odom  
Director, Thermal & Wind Assets  
10885 NE 4<sup>th</sup> St  
PSE-04S  
Bellevue, WA 98009-9734

Re: AOP Renewal Application, Notification of Incompleteness

Dear Mr. Odom:

Thank you for submittal of Puget Sound Energy's Goldendale Generating Station *Air Operating Permit Renewal Application*. Ecology received the application on July 2, 2010.

**I have reviewed this application and found it to be incomplete.**

Washington Administrative Code (WAC) 173-401-500(7) states that, "an application is complete when it contains the following information:

- (a) A completed version of the standard application form or forms described in WAC 173-401-510, including the required information for each emission unit (other than insignificant emission units) at the facility, along with any necessary supporting data and calculations;
- (b) A compliance plan that meets the criteria of WAC 173-401-630; and
- (c) Certification by a responsible official of the chapter 401 source of the truth, accuracy, and completeness of the application, as provided in WAC 173-401-520."

Specifically, the following information is required to complete your application:

1. Acid Rain Permit Application. The Phase II Acid Rain Permit renewal is due to be processed concurrently with the Air Operating Permit. A renewal application must be submitted. The U.S. Environmental Protection Agency provides a required renewal application online at: <http://www.epa.gov/airmarkets/business/forms.html#arp>. You must complete the renewal application and submit it according to *Air Operating Permit & Phase II Acid Rain Permit No. 06AQ-C025 Second Revision*, Condition 7.2.7.

File Copy




2. Applicability of "area source" MACTs. The application states that Title 40 Code of Federal Regulations Part 63 National Emission Standards for Hazardous Air Pollutants are inapplicable because the Goldendale Generating Station is not a major source of Hazardous Air Pollutants. Note that Subparts WWWW through DDDDDDD apply to area sources. You must review the applicability of these subparts and state whether any of them apply.

**Additionally, we request that you submit electronic versions of the site plans and flow diagram.** We prefer electronic files to paste into the Statement of Basis. PDF files would be acceptable. You may email them directly to me.

Be advised that your right to operate the Goldendale Generating Station terminates with the expiration of *Air Operating Permit & Phase II Acid Rain Permit No. 06AQ-C025 Second Revision*, unless a timely and complete renewal application is submitted at least twelve (12) months prior to the date of permit expiration. *Air Operating Permit & Phase II Acid Rain Permit No. 06AQ-C025 Second Revision* expires January 4, 2012.

If you have any questions, please call me at (509) 457-7126, or email me at [lynnette.haller@ecy.wa.gov](mailto:lynnette.haller@ecy.wa.gov).

Sincerely,



Lynnette A. Haller, PE  
Central Regional Air Quality Section

By certified mail [7007 2560 0001 7674 7504]



Puget Sound Energy  
P.O. Box 90868  
Bellevue, WA 98009-0868  
PSE.com

June 30, 2010

Washington State Department of Ecology  
Central Regional Office – Air Quality Program  
ATTN: Lynnette Haller, PE  
15 W Yakima Ave., Suite 200  
Yakima, WA 98902  
(509) 457-7126

**CERTIFIED MAIL/RETURN RECEIPT REQUESTED**

Subject: Air Operating/Title V Permit Renewal Application  
Puget Sound Energy Goldendale Generating Station  
Goldendale, Washington

Dear Ms. Haller:

Enclosed, please find an Air Operating Permit (AOP)/Title V Permit renewal application for Puget Sound Energy's (PSE) Goldendale combined cycle power plant, known as the Goldendale Generating Station. Completed AOP permit application forms are included in Appendix A of the permit application document, and an electronic version of the entire permit application document in Portable Document Format (PDF) will be provided separately via email. Please do not hesitate to contact me at 425.457.5835 if you have any questions about this application.

Sincerely,  
PUGET SOUND ENERGY

Joey Henderson  
Program Manager – CT Compliance

cc: Gerald Klug, Goldendale Generating Station

**RECEIVED**  
JUL 02 2010  
DEPARTMENT OF ECOLOGY - CENTRAL REGIONAL OFFICE

## **Introduction and Background**

Puget Sound Energy, Inc. (PSE) owns and operates a gas-fired electricity generation facility located at 600 Industrial Way in Goldendale, Klickitat County, Washington. The PSE facility is capable of generating up to 250 megawatts (MW) of electricity from one natural gas-fired combustion turbine generator and associated steam turbine generator. In addition, the PSE facility operates an emergency backup generator, emergency firewater pump and a cooling tower.

This AOP application contains the information required by WAC 173-401-510 and the information certification required by WAC 173-401-520. The Washington State Department of Ecology standard Title V Air Operating Permit application forms are included as Appendix A. The Acid Rain Permit documentation is included as Appendix B.

## **Facility and Process Description**

The PSE facility is comprised of approximately 12 acres in Klickitat County. The facility is located in Goldendale, Washington zoned for industrial, agricultural and residential uses. A scaled site plan and a process flow diagram of operations at the facility are provided in Appendix C.

The largest source of emissions at site is the General Electric Frame 7FA combustion turbine. The combustion turbine burns natural gas to drive the turbine generator to produce electricity. Combustion by-products exhaust through the heat recovery steam generator (HRSG) and then to atmosphere. The facility typically operates in a combined cycle mode, in that steam generated by the HRSG is routed to a steam turbine generator to produce additional electricity. The HRSG contains a selective catalytic reduction unit with  $\text{NH}_3$  injection to control  $\text{NO}_x$  emissions and a catalytic oxidation unit to control CO emissions. After passing through the HRSG, exhaust gases exit to atmosphere through a 150-foot tall stack. Continuous Emission Monitoring Systems (CEMS) provide continuous measurement of  $\text{NO}_x$ , CO, and  $\text{NH}_3$  emissions. The combustion turbine/HRSG system also includes duct burners to provide constant power generation. The duct burners introduce and burn natural gas in the exhaust gas stream, adding energy that is then extracted as steam and used to generate additional power. Duct burner firing is limited to 5,250 hours per year as established in the facility's NOC Order # 01AQCR-2037, second revision.

The 536 horsepower diesel-fired emergency generator is used to provide heat and lighting loads in the event of a system power outage. A 300 horsepower diesel-fired emergency firewater pump is available for the purpose of providing fire suppression service.

## **Emission Sources and Estimates**

The PSE facility has three noteworthy sources of emissions: the combustion turbine (EU-1), the emergency generator (EU-2) and the firewater pump (EU-3).

### **EU-1. Combined Cycle Gas Turbine 1**

The combustion turbine emits nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), particulate matter (PM, PM<sub>10</sub>, and PM<sub>2.5</sub>), sulfur dioxide (SO<sub>2</sub>), volatile organic compounds (VOCs), sulfuric acid mist (H<sub>2</sub>SO<sub>4</sub>), ammonia (NH<sub>3</sub>), and a number of compounds deemed toxic and/or hazardous air pollutants (TAPs and HAPs). The unit's NO<sub>x</sub>, CO, SO<sub>2</sub>, VOC, and PM<sub>10</sub> potential emissions are presented in Table 1. The emission rates are established as permit limits in the NOC permit (No. 01AQCR-2037 Second Revision) and represent each unit's PTE for these pollutants.

Toxic air pollutant (as defined by WAC 173-460) emissions are calculated from emission factors that are based on fuel consumption. Fuel consumption varies with ambient conditions (such as temperature and relative humidity) and the operating rate of the combustion turbine. The potential toxic air pollutant emissions identified in Table 2 are based on continuous capacity operation of the combustion turbine at the worst-case (i.e., highest fuel consumption rate) operating conditions and operation of the duct burners at 5,250 hours per year.

### **EU-2. Diesel-Fired Emergency Generator**

Calculated potential emissions of NO<sub>x</sub>, CO, SO<sub>2</sub>, VOC, PM<sub>10</sub>, TAPs, and HAPs from the diesel-fired emergency generator are based on emission factors from EPA's AP-42 Section 3.3, Table 3.3-1 (10/96). The permit limits generator operation to no more than 500 hours per year.

### **EU-3. Diesel-Fired Firewater Pump**

Calculated potential emissions of NO<sub>x</sub>, CO, SO<sub>2</sub>, VOC, PM<sub>10</sub>, TAPs, and HAPs from the diesel-fired emergency firewater pump are based on emission factors from EPA's AP-42 Section 3.3, Table 3.3-1 (10/96). The permit limits pump operation to no more than 500 hours per year.

## **Applicable Regulations**

The PSE facility is subject to federal, state, and local air pollution control regulations. This section discusses each applicable regulation and details why other federal and state regulations are not applicable.

### **Federal Requirements**

#### **Maximum Achievable Control Technology (MACT)**

EPA has established National Emission Standards for Hazardous Air Pollutants (NESHAP) under 40 CFR 63 to regulate HAP emissions from major sources of HAP. This regulatory program defines a "major source" as any facility that has the potential to emit more than 10 tpy of a single

HAP or more than 25 tpy of all HAPs combined. Based on this requirement, the facility is not a major source with respect to the NESHAP program (See Table 2).

### **New Source Performance Standards**

EPA has established New Source Performance Standards (NSPS) for new, modified, or reconstructed facilities and source categories in 40 CFR Part 60. NSPS usually represent a minimum level of control that is required of a new source. NSPS Subpart GG (Stationary Gas Turbines) and Subpart Da (Electric Steam Generating Units for Which Construction Commenced After Sept 18, 1978) apply to Goldendale Generating Station.

NSPS Subpart GG addresses emissions from all stationary gas turbines with heat input at peak load greater than 10 mmBtu/hr, and applies to the PSE combustion turbine because the maximum heat input for the combustion turbine exceeds this threshold. NSPS Subpart GG limits NO<sub>x</sub> and SO<sub>2</sub> emissions, limits the percentage of sulfur in fuel and requires continuous monitoring of operating parameters and fuel characteristics.

NSPS Subpart Da addresses emissions from electric steam generating units that commenced construction, modification, or reconstruction after Sept 18, 1978. The boiler Subpart Da does apply to the PSE facility for this reason and because the duct burners have a firing capacity (323 MMBtu/hr) covered by this Subpart and are not covered by Subpart GG.

### **Prevention of Significant Deterioration**

EPA established the PSD program to ensure that new or expanded sources do not cause a significant deterioration in the air quality of areas that currently meet applicable air quality standards. Potential emissions from the facility do not exceed the 100 ton per year PSD applicability threshold for combined cycle combustion turbine facilities (See Table 1), so the Goldendale Generating Station is not a major source subject to PSD.

### **Title IV Acid Rain**

The PSE facility is an affected source, subject to the acid rain program under Title IV of the Clean Air Act, due to the presence of the natural gas fired combustion turbine and construction date. The turbine and duct burners are one affected unit.

Acid rain permit documentation is included with this document as Appendix B.

### **Title V Operating Permit**

Title V of the federal Clean Air Act requires facilities with the potential to emit more than 100 tons of a regulated criteria pollutant, 10 tons of a single HAP, or 25 tons of all HAP combined on an annual basis to obtain a Title V Operating Permit. While PSE does not have the potential to emit pollutants above these designated thresholds, an Operating Permit is also required for fossil fuel-fired power plant sources that do not operate as Independent Power Producers (IPP) as defined in 40 CFR 72.2 and are subject to the Acid Rain Program, or Title IV of the federal Clean Air Act. The PSE facility is subject to the Title V program because it is subject to Title IV of the federal

Clean Air Act. PSE is fulfilling Title V Operating Permit requirements through submittal of this AOP renewal application as part of the 5 yr renewal cycle.

### **Compliance Assurance Monitoring**

EPA established the Compliance Assurance Monitoring (CAM) program to regulate emission sources that employ a control device to maintain compliance with an enforceable emission limit. 40 CFR Part 64.2 establishes the applicability criteria for the CAM program:

- The unit is subject to an emission limit,
- The unit uses a control device to achieve compliance with that limit, and
- The unit has pre-control emissions of 100 percent of the major source threshold,
- The unit is located at a Title V AOP source.

EU-1 is the only emission unit at Goldendale that meets all four of the listed criteria for CAM applicability. NOX and CO are subject to emission limitations, are controlled by control devices, and have potential pre-control device emissions greater than 100 tpy. However, 40 CFR 64.2(b)(1)(vi), specifies that CAM requirements are not applicable to emission limitations or standard for which an AOP specifies a continuous compliance determination method (CEM). The AOP specifies that both NOx and CO be monitored using a CEMs. Therefore, CAM does not apply at Goldendale.

## **State Requirements**

### **Notice of Construct Permits**

Washington State requires new or modified industrial sources to obtain an NOC air quality permit. The NOC permit application must provide a description of the facility, an inventory of pollutant emissions, and proposed control systems for the applicable pollutants. The reviewing agency considers whether BACT has been employed and evaluates ambient concentrations resulting from these emissions to ensure compliance with ambient air quality standards. As stated in WAC 173-400-113, a NOC permit cannot be granted unless the agency determines the project (1) will meet applicable state and federal emission limits; (2) will comply with applicable NSPS and NESHAPS, and employ BACT; and (3) will not cause or contribute to violations of ambient air quality standards or TAP increments.

Ecology issued the latest version of the NOC permit on Jan 13, 2005 (No. 01AQCR-2037 Second Revision). PSE will continue to comply with the requirements of this regulation, and will submit a NOC application to the appropriate regulatory agency before constructing any new sources or modifying any existing sources for which an NOC would be required.



## **Air Operating Permit**

Please see discussion of the federal Title V Air Operating Permit program above.

## **General Requirements**

Regulations addressing general air pollution sources in Washington are contained in WAC 173-400. A complete listing of the applicable federal, state, and local air quality regulations; requirements established in the facility's NOC permit; and additional information regarding the applicability determinations is included in Appendix A.

## **Compliance Certification**

The PSE facility is currently in compliance with all applicable air quality regulations and requirements. Form 8 in Appendix A provides the current compliance status and an explanation of how the compliance determination was evaluated for each specific applicable requirement.

WAC 173-401-510(2)(i)(iii) mandates that the applicant provide a schedule for submitting compliance certifications during the Title V permit term. PSE proposes to continue to submit a compliance certification once annually and that this schedule corresponds with the calendar year. As such, PSE proposes that each annual certification period continue to start January 1 and end December 31 of each year and that the annual certification be submitted by March 31 of the following year.

WAC 173-401-615(3) mandates semi-annual reporting of all required monitoring as well as permit deviations. PSE proposes that the reporting periods continue to end June 30 and December 31 of each year and that the semi-annual reports be submitted within 90 days of the end of each reporting period.

## **Compliance Plan and Schedule**

Because the Goldendale Generating Station currently complies with all applicable air quality requirements and will continue to comply with applicable regulations, a Compliance Plan is not required. The facility will monitor its future compliance status using the methods for compliance demonstration described in Form 7 in Appendix A.

If any applicable requirements take effect during the facility's Title V operating permit term, PSE will meet the requirement as expeditiously as possible. If an applicable requirement with a specific timeline for compliance becomes effective during the permit term, PSE will comply with the requirement on the schedule established by the requirement.

TABLE 1

Pollutant	Combined Cyle Unit (EU-1)	Backup Generator (EU-4)	Firewater Pump (EU-3)	Cooling Tanks (EU-5)	Total
TSP	91.9	0.3	0.2	6.5	98.9
PM10	91.9	0.3	0.2	6.5	98.9
PM25	91.9	0.3	0.2	6.5	98.9
SO2	25.5	0.3	0.2		30
CO	82.27	0.9	0.5		83.7
Nox	70.2	4.2	2.3		76.7
VOC	41.54	0.4	0.2		42.2
Acetaldehyde	1.545	0.000725	0.000403		1.55
Ammonia	34.51				34.51
Benzene	0.1594	0.000875	0.00049		0.1608
Formaldehyde	1.977	0.0011	0.00062		1.978
PAH	0.0006657	0.00015	0.0000875		0.007
Propylene Oxide	481.8				0.2409
Sulfuric Acid Mist	6.2				6.2

TABLE 1b

**Goldendale Generating Station**  
**Potential TAP Emissions - Combustion Turbine**

Compound	Maximum Short-term Emissions from Turbine (lb/hr)	
	Base Load (100%)	Base Load with Duct Firing
Acrolein	0.0084	0.0099
Ammonia	7.3200	8.2500
Ethylbenzene	0.0715	0.0844
Naphthalene	0.0010	0.0011
Sulfuric Acid Mist	4.6000	4.6000
Toluene	0.2087	0.2464
Xylenes (m-,o-,p-isomers)	0.2087	0.2464
Acetaldehyde	0.3182	0.3756
Benzene	0.0328	0.0388
Formaldehyde	0.4072	0.4806
Nickel	0.0036	0.0043
PAHs	0.0014	0.0016
Propylene Oxide	0.0496	0.0586

## Notes:

1. Except for ammonia and sulfuric acid mist, emission factors are based on GE Frame 7 stack test data contained in data set supporting AP-42 Section 3.1.
2. Ammonia emissions based on a slip of 3 ppmvd (15% O<sub>2</sub>).

Reference: Alpha-Gamma Technologies, Inc. *Emission Factor Documentation for AP-42 Section 3.1 Stationary Gas Turbines*. USEPA, Research Triangle Park, NC, April 2000.

TABLE 1a

**Goldendale Generating Station**  
**Potential Criteria Emissions - Combustion Turbine**

	Maximum Short-Term Emissions (lb/hr)		Annual Emissions (TPY)
	Natural Gas-Fired by Load		
	Base	Peak (Duct)	
NOx	13.2	14.9	76.7
CO	8.0	9.1	83.7
SO <sub>2</sub>	22.2	22.2	30
VOC	2.8	13.3	42.2
PM10	19.0	22.3	98.9

TABLE 1c

**Goldendale Generating Station**  
**Potential Criteria Emissions - Backup Generator & Firewater Diesel Pump**

**Operations**

	Engine Size (hp)	Fuel Consumption (MMBtu/hr) <sup>(a)</sup>	Operations		
			Actual (hrs/yr) <sup>(b,c)</sup>	Max (hrs/day)	Max <sup>(d)</sup> (hrs/yr)
Backup Generator	635	4.4	96	24	500
Firewater Diesel Pump	368	2.6	96	24	500

<sup>(a)</sup> Average brake-specific fuel consumption of 7,000 Btu/hp-hr was used to convert from hp to MMBtu/hr based on AP-42, Section 3.3 (10/96)

<sup>(b)</sup> Assume that each source is used 8 hours per month to ensure reliability

<sup>(c)</sup> Assume the firewater pump is used 8 hours per month to ensure reliability

<sup>(d)</sup> Worst-case annual operating hours are based on the maximum number of hours fired to remain an insignificant source

**Emission Factors**

	PM <sub>10</sub> (lbs/hp-hr)	NOx (lbs/hp-hr)	CO (lbs/hp-hr)	SO <sub>2</sub> (lbs/hp-hr)	VOC (lbs/hp-hr)
Diesel	0.0022	0.031	0.0068	0.00203	0.00298

AP-42 Section 3.3, Table 3.3-1, (10/96)

**Emission Factors - continued**

Benzene	Toluene	Xylenes	Propylene	Formaldehyde	Acetaldehyde	Naphthalene	Benzo(a)anthracene	Total PAH
71-43-2	108-88-3	1330-20-7	78-87-5	50-00-0	75-07-0	91-20-3	56-55-3	-
(lbs/hp-hr)	(lbs/hp-hr)	(lbs/hp-hr)	(lbs/hp-hr)	(lbs/hp-hr)	(lbs/hp-hr)	(lbs/hp-hr)	(lbs/hp-hr)	(lbs/hp-hr)
6.53E-06	2.86E-06	2.90E-06	1.81E-05	8.26E-06	5.37E-06	5.94E-07	1.18E-08	1.18E-06

AP-42 Section 3.3, Table 3.3-2, (10/96)

**Emissions**

Pollutant	Backup Diesel Generator				Firewater Diesel Pump			
	Actual Annual Emissions (tons/yr)	Insignificant Thresholds <sup>(a)</sup> (tons/yr)	Potential to Emit		Actual Annual Emissions (tons/yr)	Insignificant Thresholds <sup>(a)</sup> (tons/yr)	Potential to Emit	
			Hourly (lbs/hr)	Annual (tons/yr)			Hourly (lbs/hr)	Annual (tons/yr)
PM <sub>10</sub>	0.1	0.75	1.4	0.3	0.04	0.75	0.8	0.2
NOx	0.9	2	19.7	4.92	0.55	2	11.4	2.852
CO	0.2	5	4.2	1.1	0.12	5	2.5	0.6
SO <sub>2</sub>	0.1	2	1.3	0.3	0.04	2	0.8	0.2
VOC - TOC	0.1	2	1.9	0.5	0.05	2	1.1	0.3
Benzene	0.00020	0.5	0.0041	0.0010	0.000115	0.5	0.00240	0.00060
Toluene	0.00009	0.5	0.0018	0.0005	0.000051	0.5	0.00105	0.00026
Xylenes	0.00006	0.5	0.0013	0.0003	0.000035	0.5	0.00073	0.00018
Propylene	0.00055	0.5	0.0115	0.0029	0.000319	0.5	0.00665	0.00166
Formaldehyde	0.00025	0.5	0.0052	0.0013	0.000146	0.5	0.00304	0.00076
Acetaldehyde	0.00016	0.5	0.0034	0.0009	0.000095	0.5	0.00198	0.00049
Naphthalene	0.00002	0.5	0.0004	0.0001	0.000010	0.5	0.00022	0.00005
Benzo(a)anthracene	0.0000004	0.005	0.000007	0.000002	0.0000002	0.005	0.000004	0.000001
Total PAH	0.00004	N/A	0.0007	0.0002	0.000021	N/A	0.00043	0.00011

<sup>(a)</sup> Insignificant Threshold Levels are compared with actual emissions as defined in WAC 173-401-530 & 531

**Appendix A:**  
**Title V Operating Permit Application Forms**



WASHINGTON  
DEPARTMENT OF  
ECOLOGY

## Air Operating Permit Application

### Form 1: General Information and Certification

1. Company Name: **Puget Sound Energy**
2. Plant or Facility Name: **Goldendale Generating Station**
3. Existing Air Operating Permit Number: **06AQ-CO25 Second Revision**
4. Unified Business Identification Number (UBI#): **179-010-055**
5. Facility Address: **600 Industrial Way, Goldendale, Washington 98620**
6. County: **Klickitat County**
7. Mailing Address: **P.O. Box 190, Goldendale, WA 98620**
8. Owner: **Puget Sound Energy**
9. Parent Company: **Puget Sound Energy**
10. Parent Company Address if Different Than Above: **10885 NE 4<sup>th</sup> St, PSE-09N  
Bellevue, WA 98009-9734**
11. Plant or Facility site manager / contact: **Gerald Klug**
12. Title: **Goldendale Plant Manager**
13. Telephone: **(509) 773-7913**
14. Claim of Confidentiality:  
Some of the records and information contained in this application are ☐ are not ☒ (check one) unique to the applicant and/or are likely to adversely affect the competitive position of the applicant if released to the public or a competitor. If a claim of confidentiality is made for this application, provide a separate application for general distribution which is devoid of confidential information.
15. I certify that I am the responsible official, as defined in WAC 173-401-200(27) for this facility. I further certify as required by WAC 173-401-520, that, based on information and belief formed after reasonable inquiry, the statements and information in this application are true, accurate, and complete.

Signature of Responsible Official

**L.E. Odom**

30 JUN 2010

**Date**

Title: **Director, Thermal & Wind Assets**  
Printed Name: **L.E. Odom**  
Phone Number: **(425) 462-3144**  
Mailing Address: **10885 NE 4<sup>th</sup> St, PSE-04S, Bellevue, WA 98009-9734**



## Air Operating Permit Application

### Form 2: Emissions Units Form

Facility Name: PSE Goldendale Generating Station

Confidentiality Claim? Yes ☐ No ☒

Emissions and Emissions Units						
Emissions Point Identifier	Emission Point Description (including existing air pollution control equipment)	Emissions			Compliance Assurance Monitoring	
		Annual Potential Emissions (for all regulated air pollutants) (tpy)	Have Potential Emissions Changed Since Submittal of Most Recent AOP Application?	Actual Emissions for Calendar Year <u>2009</u> (tpy)	Annual Potential Emissions without regard to Control Device (tpy)	CAM needed? (yes or no)

See Table 1 for Potential to Emit Emissions. Actual 2009 emissions are attached in the 2009 Annual Emissions Inventory.



## 2009 Request for Air Emissions Information

Plant Number: B - 039 - 0066 Goldendale Generating Station

### Section 1: Facility Information

(Is the following complete and accurate? If not, correct any errors and provide any missing information.)

#### FACILITY CATEGORY and OPERATING STATUS

Facility Category: CAP Major

Operating Status: ☒ Operating ☐ Temporarily Shutdown ☐ Permanently Shutdown

#### ADDRESS, PHYSICAL AND MAILING

Physical Addr: 600 Industrial Way  
(no PO Box) Goldendale, WA 98620

Mailing PO Box 97034 PSE 09S  
Address: Bellevue, WA 98004-9703

#### TECHNICAL CONTACT

Name: Joey Henderson  
Phone Number: (425) 457-5835

Fax: (425) 456-2467  
e-mail: joey.henderson@pse.com

#### NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS) CODE (one only)

NAICS	Industry Type
221112	Fossil Fuel Electric Power Generation

#### GEOGRAPHIC COORDINATES in Decimal Lat/Lon (Facility Front Door)

Latitude: N 45.8397 Longitude: W -120.8272

#### CERTIFICATION OF DATA ACCURACY

Consistent with state law, the data presented here is accurate to the best of my knowledge. (Please submit this signed page with any electronic submissions.)

L.E. Odom Director, Thermal & Wind  
Resources

*L.E. Odom*

4/12/10

Print Name	Title	Signature	Date
------------	-------	-----------	------

Tables for many of the codes used in this form may be found at  
<http://www.ecy.wa.gov/programs/air/EmissionInventory/emisinv.htm>

Plant Number: B - 039 - 0066 Goldendale Generating Station

**Section 2: Emission Point Information**

(Is the following complete and accurate? If not, correct any errors and provide any missing information.)

Emission Point No: 01 Description: Combustion Turbine

Comments:

Boiler Design Capacity (if applicable): 1672 Units: E6BTU / HR

**EPA CLASSIFICATIONS and OPERATING STATUS**

Unit Type: 120 - Vertical Turbine

Release Point Type: ☐ Fugitive ☒ Vertical ☐ Vertical with Rain Cap  
☐ Horizontal ☐ Goose Neck ☐ Downward-facing Vent

Operating Status: ☒ Operating ☐ Temporarily Shutdown ☐ Permanently Shutdown

**POINT GEOGRAPHIC COORDINATES in Decimal Lat/Lon**

Latitude: N 45.8397 Longitude: W -120.8272

**POINT OPERATING SCHEDULE (Quarterly throughput must equal 100 or 0 if not operating)**

	<u>2008</u>	<u>2009</u>		<u>2008</u>	<u>2009</u>	
Jan - Mar:	24	21	%	Hrs/Day	17	16
Apr - Jun:	13	7	%	Days/Wk:	5	5
Jul - Sep:	29	38	%	Wks/Yr:	36	34
Oct - Dec:	34	34	%			
	100	100	%			

**STACK PARAMETERS (if applicable)**

	<u>2008</u>	<u>2009</u>		<u>2008</u>	<u>2009</u>	
Temperature:	179	180	°F	Flow Rate:	17646	17646 ACFS**
Water Vapor:	7.16	7.6	%	Oxygen, Dry:	13.9	14.1 %
Height:	150	150	ft	Plume Height:		ft
Diameter:	18	18	ft	(if no stack)		

\*\* Actual Cubic Feet per Second

**CONTROL EQUIPMENT (Please associate with the proper segments on next page(s))**

Code	Description
139	Selective Catalytic Reduction
32	NH3 Injection
109	Catalytic Oxidizer
205	Low NOx Burners

Plant Number: B - 039 - 0066 Goldendale Generating Station

## Section 2: Emission Point Information

(Is the following complete and accurate? If not, correct any errors and provide any missing information.)

Emission Point No: 02 Description: Backup Diesel Generator

Comments:

Boiler Design Capacity (if applicable): Units:

EPA CLASSIFICATIONS and OPERATING STATUS			
Unit Type:	160 - Reciprocating IC Engine		
Release Point Type:	<input type="checkbox"/> Fugitive	<input checked="" type="checkbox"/> Vertical	<input type="checkbox"/> Vertical with Rain Cap
	<input type="checkbox"/> Horizontal	<input type="checkbox"/> Goose Neck	<input type="checkbox"/> Downward-facing Vent
Operating Status:	<input checked="" type="checkbox"/> Operating	<input type="checkbox"/> Temporarily Shutdown	<input type="checkbox"/> Permanently Shutdown

POINT GEOGRAPHIC COORDINATES in Decimal Lat/Lon			
Latitude: N	45.8397	Longitude: W	-120.8272

POINT OPERATING SCHEDULE (Quarterly throughput must equal 100 or 0 if not operating)				
	2008	2009		
Jan - Mar:	0	8	%	Hrs/Day
Apr - Jun:	0	59	%	Days/Wk:
Jul - Sep:	0	16	%	Wks/Yr:
Oct - Dec:	0	17	%	
	100	100	%	

STACK PARAMETERS (if applicable)				
	2008	2009		
Temperature:			°F	Flow Rate:
Water Vapor:			%	Oxygen, Dry:
Height:			ft	Plume Height:
Diameter:			ft	(if no stack)

\*\* Actual Cubic Feet per Second

CONTROL EQUIPMENT (Please associate with the proper segments on next page(s))	
Code	Description
148	Clean Burn

Plant Number: B - 039 - 0066 Goldendale Generating Station

## Section 2: Emission Point Information

(Is the following complete and accurate? If not, correct any errors and provide any missing information.)

Emission Point No: 03 Description: Firewater Diesel Pump  
Comments:

Boiler Design Capacity (if applicable): Units:

### EPA CLASSIFICATIONS and OPERATING STATUS

Unit Type: 160 - Reciprocating IC Engine

Release Point Type: ☐ Fugitive ☒ Vertical ☐ Vertical with Rain Cap  
☐ Horizontal ☐ Goose Neck ☐ Downward-facing Vent

Operating Status: ☒ Operating ☐ Temporarily Shutdown ☐ Permanently Shutdown

### POINT GEOGRAPHIC COORDINATES in Decimal Lat/Lon

Latitude: N 45.8397 Longitude: W -120.8272

### POINT OPERATING SCHEDULE (Quarterly throughput must equal 100 or 0 if not operating)

	2008	2009		2008	2009
Jan - Mar:	0	25 %	Hrs/Day		0.08
Apr - Jun:	0	23 %	Days/Wk:		0
Jul - Sep:	0	25 %	Wks/Yr:		0
Oct - Dec:	0	27 %			
	100	100 %			

### STACK PARAMETERS (if applicable)

	2008	2009		2008	2009
Temperature:		°F	Flow Rate:		ACFS**
Water Vapor:		%	Oxygen, Dry:		%
Height:		ft	Plume Height:		ft
Diameter:		ft	(if no stack)		

\*\* Actual Cubic Feet per Second

### CONTROL EQUIPMENT (Please associate with the proper segments on next page(s))

Code	Description
148	Clean Burn

Plant Number: B - 039 - 0066 Goldendale Generating Station

**Section 2: Emission Point Information**

(Is the following complete and accurate? If not, correct any errors and provide any missing information.)

Emission Point No: 04 Description: Firewater Diesel Pump

Comments: FACILITY HAS ONLY ONE FIREWATER DIESEL PUMP (SEE PREVIOUS PAGE)

Boiler Design Capacity (if applicable): Units:

**EPA CLASSIFICATIONS and OPERATING STATUS**

Unit Type: 160 - Vertical Reciprocating IC Engine

Release Point Type: ☐ Fugitive ☒ Vertical ☐ Vertical with Rain Cap  
☐ Horizontal ☐ Goose Neck ☐ Downward-facing Vent

Operating Status: ☒ Operating ☐ Temporarily Shutdown ☐ Permanently Shutdown

**POINT GEOGRAPHIC COORDINATES in Decimal Lat/Lon**

Latitude: N 45.8397

Longitude: W -120.8272

**POINT OPERATING SCHEDULE (Quarterly throughput must equal 100 or 0 if not operating)**

	2008	2009		2008	2009
Jan - Mar:	0	%	Hrs/Day		
Apr - Jun:	0	%	Days/Wk:		
Jul - Sep:	0	%	Wks/Yr:		
Oct - Dec:	0	%			
	100	100			

**STACK PARAMETERS (if applicable)**

	2008	2009		2008	2009
Temperature:		°F	Flow Rate:		ACFS**
Water Vapor:		%	Oxygen, Dry:		%
Height:		ft	Plume Height:		ft
Diameter:		ft	(if no stack)		

\*\* Actual Cubic Feet per Second

**CONTROL EQUIPMENT (Please associate with the proper segments on next page(s))**

Code	Description
148	Clean Burn

Plant Number: B - 039 - 0066 Goldendale Generating Station  
Point Number: 01 Combustion Turbine

**Section 3: Emissions from Segments Information** (Please use one page for each segment)  
(Is the following complete and accurate? If not, correct any errors and provide any missing information.)

SCC Code: 20200209 Segment Number: 01  
Int Comb /Industrial /Natural Gas /Turbine: Exhaust

**Process Information**

	<u>2008</u>	<u>2009</u>
209 Natural Gas (in MILLION CUBIC FEET)		9,064,445
611 Weight Percent Sulfur In Fuel (%)	0.00022	0.0002

Insignificant Emissions Unit? (Y/N): N

Comments: \_\_\_\_\_

Operating Status: ☒ Operating ☐ Temporarily Shutdown ☐ Permanently Shutdown

Emissions Type: ☒ Routine ☐ Startup/Shutdown ☐ Upset

Confidentiality: Is process data confidential (see RCW 70.94.205)? \_\_\_\_\_ Yes ☒ No

CRITERIA POLLUTANT EMISSIONS and AMMONIA (Specify in tons per year, to nearest ton)						
Criteria Pollutant	Emissions		Estimation Code	Control Equip. Code		Control Efficiency (%)
	2008	2009		Primary	Secondary	
Particulate Total	6	6	4			
PM <sub>10</sub>	6	6	4			
PM <sub>2.5</sub>	6	6	4			
SO <sub>2</sub>	3	3	1			
NO <sub>x</sub> as NO <sub>2</sub>	35	36	1	205	139	95
VOC, (reported as _____)	6	7	4			
CO	1	1	1	109		85
NH <sub>3</sub> (ammonia)	10	10	1			

TOXIC and OTHER NON-CRITERIA POLLUTANT EMISSIONS (Specify in pounds per year)				
Pollutant Name	CAS#/Code	Emissions		Est. Code
		2008	2009	
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

B-039-0066-01-01

Plant Number: B - 039 - 0066 Goldendale Generating Station  
Point Number: 02 Backup Diesel Generator

**Section 3: Emissions from Segments Information** (Please use one page for each segment)

(Is the following complete and accurate? If not, correct any errors and provide any missing information.)

SCC Code: 20100107 Segment Number: 01

Int Comb /Electric Gen /Distillate Oil (Diesel) /Reciprocating: Exhaust

**Process Information**

2008 2009

57 Distillate Oil (Diesel) GALLONS

49.6

Insignificant Emissions Unit? (Y/N): N

Comments: Backup Diesel Generator

Operating Status: ☒ Operating ☐ Temporarily Shutdown ☐ Permanently Shutdown

Emissions Type: ☒ Routine ☐ Startup/Shutdown ☐ Upset

Confidentiality: Is process data confidential (see RCW 70.94.205)? ☐ Yes ☒ No

CRITERIA POLLUTANT EMISSIONS and AMMONIA (Specify in tons per year, to nearest ton)						
Criteria Pollutant	Emissions		Estimation Code	Control Equip. Code		Control Efficiency (%)
	2008	2009		Primary	Secondary	
Particulate Total				148		
PM <sub>10</sub>				148		
PM <sub>2.5</sub>				148		
SO <sub>2</sub>	0	0	2			
NO <sub>x</sub> as NO <sub>2</sub>	0	0	2			
VOC, (reported as _____)						
CO	0	0	2			
NH <sub>3</sub> (ammonia)						

TOXIC and OTHER NON-CRITERIA POLLUTANT EMISSIONS (Specify in pounds per year)				
Pollutant Name	CAS#/Code	Emissions		Est. Code
		2008	2009	
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

B-039-0066-02-01

Plant Number: B - 039 - 0066 Goldendale Generating Station  
Point Number: 03 Firewater Diesel Pump

**Section 3: Emissions from Segments Information** (Please use one page for each segment)  
(Is the following complete and accurate? If not, correct any errors and provide any missing information.)

SCC Code: 20200102 Segment Number: 01  
Int Comb /Industrial /Distillate Oil (Diesel) /Reciprocating

Process Information  
**2008** **2009**

57 Distillate Oil (Diesel) GALLONS 586

Insignificant Emissions Unit? (Y/N): N  
Comments: Firewater Diesel Pump

Operating Status: ☒ Operating ☐ Temporarily Shutdown ☐ Permanently Shutdown

Emissions Type: ☒ Routine ☐ Startup/Shutdown ☐ Upset

Confidentiality: Is process data confidential (see RCW 70.94.205)? ☐ Yes ☒ No

CRITERIA POLLUTANT EMISSIONS and AMMONIA (Specify in tons per year, to nearest ton)						
Criteria Pollutant	Emissions		Estimation Code	Control Equip. Code		Control Efficiency (%)
	2008	2009		Primary	Secondary	
Particulate Total				148		
PM <sub>10</sub>				148		
PM <sub>2.5</sub>				148		
SO <sub>2</sub>	0	0	2			
NOx as NO <sub>2</sub>	0	0	2			
VOC, (reported as _____)						
CO	0	0	2			
NH <sub>3</sub> (ammonia)						

TOXIC and OTHER NON-CRITERIA POLLUTANT EMISSIONS (Specify in pounds per year)				
Pollutant Name	CAS#/Code	Emissions		Est. Code
		2008	2009	
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

B-039-0066-03-01



Plant Number: B - 039 - 0066 Goldendale Generating Station  
Point Number: 04 Firewater Diesel Pump

**Section 3: Emissions from Segments Information** (Please use one page for each segment)

(Is the following complete and accurate? If not, correct any errors and provide any missing information.)

SCC Code: 39000599 Segment Number: 01

In-Process Fuel Use /Distillate Oil /General

**Process Information**

2008 2009

Diesel (in 1000 GALLONS) 0.635

Weight Percent Sulfur In Fuel (%) <0.5

Insignificant Emissions Unit? (Y/N): N

Comments: Diesel oil use provided in Backup Diesel Generator and Firewater Diesel Pump section's data

Operating Status: ☒ Operating ☐ Temporarily Shutdown ☐ Permanently Shutdown

Emissions Type: ☒ Routine ☐ Startup/Shutdown ☐ Upset

Confidentiality: Is process data confidential (see RCW 70.94.205)? Yes ☐ No ☒

CRITERIA POLLUTANT EMISSIONS and AMMONIA (Specify in tons per year, to nearest ton)						
Criteria Pollutant	Emissions		Estimation Code	Control Equip. Code		Control Efficiency (%)
	2008	2009		Primary	Secondary	
Particulate Total				148		
PM <sub>10</sub>				148		
PM <sub>2.5</sub>				148		
SO <sub>2</sub>	0		2			
NOx as NO <sub>2</sub>	0		2			
VOC, (reported as _____)						
CO	0		2			
NH <sub>3</sub> (ammonia)						

TOXIC and OTHER NON-CRITERIA POLLUTANT EMISSIONS (Specify in pounds per year)				
Pollutant Name	CAS#/Code	Emissions		Est. Code
		2008	2009	
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

B-039-0066-04-01



## Air Operating Permit Application

### Form 3: Facility SIC Codes and Products

Facility Name: PSE Goldendale Generating Station

Confidentiality Claim? Yes ☐ No ☒

Principal Product Name	Principal Product Description	Maximum Annual Production	Units of Measure	SIC Code	SIC Description
Electricity	Electricity delivered at 230 kV	$2.17 \times 10^6$	MWHr	4911	Electric Services



## Air Operating Permit Application

### Form 4: Process Information

Facility Name: PSE Goldendale Generating Station

Confidentiality Claim? Yes ☐ No ☒

Process Number	Process Name	SIC Code	Process Description
1	Electric Generation	4911	<p>A generator is powered by a natural gas-fired combustion turbine (EU-1) and a steam turbine.</p> <p>The Emergency Generator (EU-2) is a diesel-fired generator that is installed to supply emergency power for plant lighting and heat during system power outages.</p> <p>Aqueous ammonia is stored on-site for use by the NO<sub>x</sub> control system.</p>
EU-1	Combustion Turbine	4911	<p>The combustion turbine is a GE Frame 7FA that combusts natural gas using steam injection combustor technology. During initial firing of the turbine, exhaust temperatures are controlled to meet the prescribed steam conditions of the steam turbine. Exhaust gas from the combustion turbine enters an unfired Heat Recovery Steam Generator (HRSG) for steam production. The exhaust gas passes through an SCR section prior to being discharged from the stack.</p>
EU-2	Emergency Diesel Generator	4911	<p>The 536 hp emergency diesel generator is available for the purpose of providing vital power to plant lighting and heat on a complete loss of power to the plant.</p>
EU-3	Firewater Diesel Pump	4911	<p>The 300 hp emergency firewater diesel pump is available for the purpose of providing fire suppression water in the case of an emergency.</p>



## Air Operating Permit Application

### Form 5: Raw Materials Used by Processes

Facility Name: PSE Goldendale Generating Station

Confidentiality Claim? Yes ☐ No ☒

Number of Process Using Raw Material	Raw Material Name/Description	Maximum Annual Use	Unit of Measure
1	Aqueous ammonia available in conjunction with SCR for NOx control in a 9,000 gallon tank at a concentration of < 20%.	36.15	tpy



## Air Operating Permit Application

### Form 6: Fuels Used by Processes

Facility Name: PSE Goldendale Generating Station

Confidentiality Claim? Yes ☐ No ☒

Number of Process Using Fuel	Fuel Name/Description*	Maximum Annual Use	Unit of Measure
1, EU-1	Pipeline Natural Gas	16,540	MMscf
EU-2	Diesel fuel (on-road specification) for emergency backup generator	500	hrs/rolling 12-mo total
EU-3	Diesel fuel (on-road specification) for emergency firewater pump	500	hrs/rolling 12-mo total



## Air Operating Permit Application

### Form 7: Applicable Requirements

Facility Name: PSE Goldendale Generating Station

Confidentiality Claim? Yes ☐ No ☒

Process # : 1

Applicable Requirement Identifier	Applicable Requirement	State Only?	Required Monitoring Recordkeeping & Reporting	Proposed Monitoring Recordkeeping & Reporting Adequate to Assure
-----------------------------------	------------------------	-------------	---	--

See attached Air Operating Permit (No. 06 AQ-C025 Second Revision) & Phase II Acid Rain Permit

**WASHINGTON STATE DEPARTMENT OF ECOLOGY**

**CENTRAL REGIONAL OFFICE  
15 W YAKIMA, SUITE 200  
YAKIMA, WASHINGTON 98902**

IN THE MATTER OF THE COMPLIANCE BY ) GOLDENDALE GENERATING STATION. ) with Section 70.94.161 RCW, Operating Permits for) Air Contaminant Sources, and the applicable rules and ) regulations of the Department of Ecology )	<b>AIR OPERATING PERMIT &amp; PHASE II ACID RAIN PERMIT No. 06AQ-C025 Second Rev.  FINAL PERMIT</b>
---	---

To: Goldendale Generating Station 600 Industrial Way Goldendale, WA 98620	Issuance Date: December 23, 2008 Effective Date: October 23, 2008 Expiration Date: January 4, 2012
---	--

**Responsible Officials & Acid Rain Program Designated Representatives:**  
L.E. Odom, Director, Thermal and Wind Assets, Puget Sound Energy

**Source Location:** This Permit applies to Goldendale Generating Station, located at 600 Industrial Way, in Goldendale, Washington.

**Acid Rain Program Affected Source:** Goldendale Generating Station is an Acid Rain Program affected source identified as ORIS Code 55482. For purposes of the Acid Rain Program, the natural gas fired combustion engine and the auxiliary Duct Burner are one affected unit. The affected unit commenced operation on **July 10, 2004**. The affected unit commenced commercial operation on **August 9, 2004**. The deadline for monitor certification was **November 8, 2004**.

**Legal Authority:** This AIR OPERATING PERMIT is issued under the authority and provisions of the Federal Clean Air Act, (42 U.S.C. 7401, et seq.), the Washington Clean Air Act, Chapter 70.94 Revised Code of Washington and the Operating Permit Regulation, Chapter 173-401 Washington Administrative Code.

The ACID RAIN PROGRAM portion of this permit is issued under the authority and provisions of the Federal Clean Air Act, (42 U.S.C. 7401, et seq.), and the Washington Clean Air Act; chapter 70.94, Revised Code of Washington, and chapter 173-406 Washington Administrative Code, Acid Rain Regulation.

Hereinafter, Goldendale Generating Station is called the permittee. The permittee, and designated representatives are required to comply with the provisions contained within this permit.

The original permit was dated at Yakima, Washington on the 5<sup>th</sup> day of January, 2007. An administrative amendment, per WAC 173-401-720, to update the responsible official/designated representative, was dated at Yakima, Washington on this 23<sup>rd</sup> day of October, 2007. This administrative amendment, per WAC 173-401-720, to update the load allowed under condition 5.2.7, was dated at Yakima, Washington, on this 23<sup>rd</sup> day of December, 2008.

REVIEWED BY: \_\_\_\_\_  
Lynnette A. Haller, PE  
Central Regional Air Quality Section  
Department of Ecology  
State of Washington

APPROVED BY: \_\_\_\_\_  
Susan M. Billings  
Section Manager  
Central Regional Air Quality Section  
Department of Ecology  
State of Washington



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## LIST OF ABBREVIATIONS

ASTM	American Society for Testing and Materials
ATS	allowance tracking system
Btu	British Thermal Units
°C	Degrees Celsius
CAAA	Clean Air Act Amendments
CEMS	continuous emission monitoring system
Cfm	cubic feet per minute
CFR	Code of Federal Regulations
CO	Carbon Monoxide
CO <sub>2</sub>	carbon dioxide
dscf	Dry Standard Cubic Foot
dscfm	Dry Standard Cubic Foot per minute
Ecology	Washington State Department of Ecology
EPA	United States Environmental Protection Agency
°F	Degrees Fahrenheit
FCAA	Federal Clean Air Act
FDCP	Fugitive Dust Control Plan
ft <sup>3</sup>	Cubic foot
gr/dscf	Grain per dry standard cubic foot
HCl	Hydrogen Chloride
hr	Hour
H <sub>2</sub> S	Hydrogen Sulfide
HRSG	Heat recovery steam generator
IFF	independent power production facility
Kwh	kilowatt hour
lb	Pound
LFG	Landfill Gas
m <sup>3</sup>	Cubic Meters
mg	megagram
MMBtu	Million Btu
M <sub>NMOC</sub>	Total NMOC emission rate from the landfill
MSW	Municipal Solid Waste
MVAC	Motor Vehicle Air Conditioner
MWe	megawatt electrical
MWge	gross megawatt electrical
N <sub>2</sub>	Nitrogen
NADB	national allowance data base

---

<b>NESHAP</b>	<b>National Emission Standard for Hazardous Air Pollutants</b>
<b>NH<sub>3</sub></b>	<b>Ammonia</b>
<b>NIST</b>	<b>National Institute of Standards and Technology</b>
<b>NMOC</b>	<b>Non-Methane Organic Compound</b>
<b>NO</b>	<b>nitrogen oxide</b>
<b>NOC</b>	<b>Notice of Construction</b>
<b>NO<sub>x</sub></b>	<b>Oxides of Nitrogen</b>
<b>NSPS</b>	<b>New Source Performance Standard</b>
<b>O<sub>2</sub></b>	<b>Oxygen</b>
<b>O&amp;M</b>	<b>Operation &amp; Maintenance</b>
<b>PAH</b>	<b>Poly aromatic hydrocarbons</b>
<b>PCBs</b>	<b>Polychlorinated Biphenols</b>
<b>PE</b>	<b>Professional Engineer</b>
<b>PM</b>	<b>Particulate Matter</b>
<b>PM<sub>2.5</sub></b>	<b>Particulate Matter with aerodynamic diameter ● 2.5 micrometers</b>
<b>PM<sub>10</sub></b>	<b>Particulate Matter with aerodynamic diameter ● 10 micrometers</b>
<b>Ppm</b>	<b>parts per million</b>
<b>ppm<sub>v</sub></b>	<b>Parts per million by volume</b>
<b>ppm<sub>vd</sub></b>	<b>Parts per million by dry volume</b>
<b>PSD</b>	<b>Prevention of Significant Deterioration</b>
<b>Q</b>	<b>Flow</b>
<b>QF</b>	<b>qualifying facility</b>
<b>RACT</b>	<b>Reasonably Available Control Technology</b>
<b>RATA</b>	<b>relative accuracy test audit</b>
<b>RCW</b>	<b>Revised Code of Washington</b>
<b>RM</b>	<b>Reference Method</b>
<b>scfm</b>	<b>Standard Cubic Feet per Minute</b>
<b>SCR</b>	<b>Selective catalytic reduction</b>
<b>SIP</b>	<b>State Implementation Plan</b>
<b>SO<sub>2</sub></b>	<b>Sulfur Dioxide</b>
<b>SO<sub>x</sub></b>	<b>Oxides of Sulfur</b>
<b>Std</b>	<b>at standard conditions</b>
<b>T</b>	<b>Temperature</b>
<b>TAP</b>	<b>Toxic Air Pollutant</b>
<b>TPD</b>	<b>Tons Per Day</b>
<b>TPY</b>	<b>Tons Per Year</b>
<b>TSP</b>	<b>Total Suspended Particulate</b>
<b>USC</b>	<b>United States Code</b>
<b>USEPA</b>	<b>United States Environmental Protection Agency</b>

Goldendale Generating Station

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VOC	Volatile Organic Compound
WAC	Washington Administrative Code
w%	Percentage by Weight
yr	Year

**AIR OPERATING PERMIT CONDITIONS**

**1.0 PERMIT PROVISOS**

**1.1 Permit shield.**

1.1.1 Compliance with the conditions of this permit shall be deemed compliance with those applicable requirements that are specifically included in and identified in the permit as of the date of permit issuance. [WAC 173-401-640(1), 9/16/02]

1.1.2 The permit shield shall not apply to any insignificant emissions unit or activity designated under WAC 173-401-530. [WAC 173-401-530, 9/16/02]

1.2 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), 9/16/02; RCW 70.94.905, 2005 (S)]

1.3 Property rights. This permit does not convey any property rights of any sort, or any exclusive privilege. [WAC 173-401-620(2)(d), 9/16/02]

1.4 Transfer of ownership or operation. A change in ownership or operational control of this source is treated as an administrative permit amendment if no other change in this permit is necessary and provided that a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new permittee has been submitted to Ecology. [WAC 173-401-720(1)(d), 9/16/02]

1.5 Emissions trading. No permit revision shall be required, under any approved economic incentives, marketable permits, emission trading, and other similar programs or processes for changes that are provided for in this permit. [WAC 173-401-620(2)(g), 9/16/02]

1.6 Enforceability. All terms and conditions of the permit are enforceable by the EPA and citizens unless specifically designated as state (S) enforceable. [WAC 173-401-625, 9/16/02]

**1.7 General obligation.**

Exclusions. Nothing in this permit shall alter or affect the following:

1.7.1 The provisions of section 303 of the FCAA (emergency orders), including the authority of the administrator under that section;

- 1.7.2 The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
  - 1.7.3 The applicable requirements of the acid rain program, consistent with section 408(a) of the FCAA;
  - 1.7.4 The ability of EPA to obtain information from a source pursuant to section 114 of the FCAA; or
  - 1.7.5 The ability of Ecology to establish or revise requirements for the use of RACT as provided in Chapter 252, Laws of 1993.  
[WAC 173-401-640(4), 9/16/02]
- 1.8 Reasonably Available Control Technology. Emission standards and other requirements contained in rules or regulatory orders in effect at the time of operating permit issuance or renewal shall be considered RACT for purpose of permit issuance or renewal. This does not preclude RACT determinations under Section 8, Chapter 252, Laws of 1993, which shall be incorporated into an operating permit as provided in WAC 173-401-730. [WAC 173-401-605(3)], 9/16/02; RCW 70.94.154, 2005 (S)]
- 1.9 Need to halt or reduce activity not a defense. It shall not be a defense for a 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), 9/16/02; NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.9.6]
- 1.10 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), 9/16/02]
- 1.11 Permit continuation. This permit and all terms and conditions contained therein, including any permit shield provided under WAC 173-401-640, shall not expire until the renewal permit has been issued or denied if a timely and complete renewal 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 renewal application has been submitted. [WAC 173-401-620(2)(j), 9/16/02]



- 1.12 Permit appeals. You have the right to appeal this Permit to the Pollution Control Hearings Board. Pursuant to chapter 43.21B RCW, your appeal must be filed with the Pollution Control Hearings Board, and served on the Department of Ecology, within thirty (30) days of the date of your receipt of this document.

To appeal this action or decision, your notice of appeal must contain a copy of the Ecology order, action or decision you are appealing.

Your appeal must be filed with:

The Pollution Control Hearings Board  
4224 - 6th Avenue SE, Rowe Six, Bldg. 2  
P.O. Box 40903  
Lacey, Washington 98504-0903

Your appeal must also be served on:

The Department of Ecology  
Appeals Coordinator  
P.O. Box 47608  
Olympia, Washington 98504-7608

In addition, please send a copy of your appeal to:

Susan M. Billings  
Department of Ecology  
15 West Yakima Avenue, Suite 200  
Yakima, Washington 98902

*For additional information: Environmental Hearings Office Website:*  
*<http://www.eho.wa.gov>*

This provision for appeal in this section is separate from and additional to any federal rights to petition and review under section 505(b) of the FCAA. [WAC 173-401-620(2)(i), 9/16/02; RCW 70.94.221, 2005 (S)]

## 2.0 PERMIT ADMINISTRATION

- 2.1 Duty to comply. The permittee must comply with all conditions of this WAC 173-401 permit. Any permit noncompliance constitutes a violation of Chapter 70.94 RCW and, for federally enforceable provisions, a violation of the FCAA. 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), 9/16/02]
- 2.2 Inspection and entry.  
Upon presentation of credentials and other documents as may be required by law, the permittee shall allow Ecology, or an authorized representative to perform the following:
- 2.2.1 Enter upon the permittee's premises where a Chapter 173-401 WAC source is located or emissions-related activity is conducted, or where records must be kept under the conditions of this permit;
- 2.2.2 Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- 2.2.3 Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
- 2.2.4 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 this permit or other applicable requirements.  
[WAC 173-401-630(2), 9/16/02; RCW 70.94.200, 2005 (S); NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.9.4]
- 2.2.4.1 Ecology may require the permittee to conduct stack and/or ambient air monitoring and report the results to Ecology. [WAC 173-400-105(2), 8/20/93, 1/10/05 (S)]
- 2.2.4.2 Ecology may conduct or require that a test be conducted using approved EPA methods from 40 CFR 60 Appendix A or approved procedures contained in "Source Test Manual - Procedures for Compliance Testing," Ecology, 7/12/90. The permittee may be required to provide platform and sampling ports. Ecology shall be allowed to obtain a sample from any emissions unit. The permittee shall be given the opportunity to observe the sampling and to obtain a sample at the same time. [WAC 173-400-105(4), 8/20/93, 1/10/05 (S)]

- 2.2.5 Ecology may conduct source tests and require access to records, books, files, and other information specific to the control, recovery, or release of pollutants regulated under 40 CFR Part 61. [WAC 173-400-075(2), 1/10/05 (S)]
- 2.2.6 No person shall obstruct, hamper, or interfere with any such authorized representative while in the process of carrying out his official duties. [RCW 70.94.200, 2005 (S)]
- 2.3 Permit fees. The permittee shall pay fees as a condition of this permit in accordance with Ecology'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. Ecology may revoke this permit if the permit fees are not paid per WAC 173-401-930(3). [WAC 173-401-620(2)(f), 9/16/02; RCW 70.94.162(1), 2005; WAC 173-401-930(3), 9/16/02]
- 2.4 Duty to provide information. The permittee shall furnish to Ecology, within a reasonable time, any information that Ecology 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 Ecology copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality. Permitting authorities shall maintain confidentiality of such information in accordance with RCW 70.94.205. [WAC 173-401-620(2)(e), 9/16/02]
- 2.5 Recordkeeping.
- 2.5.1 Permittee shall keep records of required monitoring information that includes, where applicable, the following:
- 2.5.1.1 The date, place, and time of sampling or measurements;
  - 2.5.1.2 The date(s) analyses were performed;
  - 2.5.1.3 The company or entity that performed the analyses;
  - 2.5.1.4 The analytical techniques or methods used;
  - 2.5.1.5 The results of such analyses; and
  - 2.5.1.6 The operating conditions as existing at the time of sampling or measurement.
- [WAC 173-401-615(2)(a), 9/16/02]

- 2.5.2 Permittee shall keep records describing 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]
- 2.5.3 Permittee shall retain records of all required monitoring data and support information for a period of at least five (5) 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 from continuous monitoring instrumentation, and copies of all reports required by this permit. [WAC 173-401-615(2)(c), 9/16/02; NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.7.12]

2.6 Reporting.

- 2.6.1 Permittee shall submit reports of any required monitoring (i.e., Monitoring Recordkeeping and Reporting column of section 5) at least once every six (6) months. At a minimum, reports for January 1<sup>st</sup> through June 30<sup>th</sup> and July 1<sup>st</sup> through December 31<sup>st</sup>, shall be due **September 1<sup>st</sup>** and **March 1<sup>st</sup>**, respectively. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by a responsible official consistent with WAC 173-401-520. [WAC 173-401-615(3)(a), 9/16/02]
- 2.6.2 Permittee shall report deviations from permit requirements, including those attributable to upset conditions, the probable cause of such deviations, and any corrective actions or preventative measures taken. Such deviations shall be reported '**promptly**'. For deviations which represent a potential threat to human health or safety, '**promptly**' means as soon as possible, but in no case later than twelve (12) hours after the deviation is discovered. The source shall maintain a contemporaneous record of all deviations. Other deviations shall be reported no later than **thirty (30) days** after the end of the month during which the deviation is discovered. Copies of reports shall be sent to Ecology at:
- Section Manager  
Central Regional Air Quality Section  
Department of Ecology  
15 West Yakima Avenue, Suite 200  
Yakima, Washington 98902  
[WAC 173-401-615(3)(b), 9/16/02]

**2.7 Excess emissions.**

**2.7.1 Excess emissions due to emergency.** The permittee may seek to establish that noncompliance with a technology-based emission limitation under this permit was due to an emergency. To do so, the permittee shall demonstrate the affirmative defense of emergency through properly signed, contemporaneous operating logs, or other relevant evidence that:

**2.7.1.1** An emergency occurred and that the permittee can identify the cause(s) of the emergency;

**2.7.1.2** The permitted source was at the time being properly operated;

**2.7.1.3** During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards, or other requirements in this permit; and

**2.7.1.4** The permittee submitted notice of the emergency to Ecology within **two (2) working days** of the time when emission limitations were exceeded due to the emergency or shorter periods of time specified in an applicable requirement. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

[WAC 173-401-645, 9/16/02]

**2.7.2 Unavoidable excess emissions.** Excess emissions determined to be unavoidable under the procedures and criteria in WAC 173-400-107 shall be excused and not subject to penalty.

**2.7.2.1** The permittee shall have the burden of proving to Ecology that excess emissions were unavoidable. This demonstration shall be a condition to obtaining relief under 2.7.2.2, 2.7.2.3, or 2.7.2.4.

**2.7.2.2** Excess emission due to startup or shutdown conditions shall be considered unavoidable provided the source reports as required under WAC 173-400-107(3) and adequately demonstrates that the excess emissions could not have been prevented through careful planning and design and if a bypass of control equipment occurs, that such bypass is necessary to prevent loss of life, personal injury, or severe property damage.

**2.7.2.3** Excess emission due to scheduled maintenance shall be considered unavoidable if the source reports as required under WAC 173-400-107(3) and adequately demonstrates that the excess emissions could not have been avoided through reasonable design,

better scheduling for maintenance or through better operation and maintenance practices.

2.7.2.3.1 Excess emissions due to upsets shall be considered unavoidable provided the source reports as required under WAC 173-400-107(3) and adequately demonstrates that:

2.7.2.4.1 The event was not caused by poor or inadequate design, operation, maintenance, or any other reasonably preventable condition;

2.7.2.4.2 The event was not of a recurring pattern indicative of inadequate design, operation, or maintenance; and

2.7.2.4.3 The operator took immediate and appropriate corrective action in a manner consistent with good air pollution control practice for minimizing emissions during the event, taking into account the total emissions impact of the corrective action, including slowing or shutting down the emission unit as necessary to minimize emissions, when the operator knew or should have known that an emission standard or permit condition was being exceeded.

2.7.2.5 Required reporting. Excess emissions which represent a potential threat to human health or safety or which the owner or operator of the source believes to be unavoidable shall be reported to Ecology **as soon as possible**. Other excess emissions shall be reported within **thirty (30) days** after the end of the month during which the event occurred or as part of the routine emission monitoring reports. Upon request by Ecology, the permittee shall submit a full written report including the known causes, the corrective actions taken, and the preventative measures to be taken to minimize or eliminate the chance of recurrence.

[WAC 173-400-107(3), 8/20/93, 1/10/05 (S)]

## 2.8 Submittals.

2.8.1 Reports, test data, monitoring data, and notifications, required by this permit, and requests for permit renewal shall be submitted to Ecology at:

Section Manager

Central Regional Air Quality Section

Department of Ecology

15 West Yakima Avenue, Suite 200

Yakima, Washington 98902

[WAC 173-401-520, 9/16/02]

- 2.8.2 Any application form, report, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. All certifications shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. [WAC 173-401-520, 9/16/02]
- 2.8.3 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 renewal application was submitted but prior to release of a draft permit. [WAC 173-401-500(6), 9/16/02]
- 2.9 Emission inventory. Permittee shall submit an inventory of emissions from the source for each calendar year. The inventory shall include segmented stack and fugitive emissions of TSP, PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>x</sub>, CO, NO<sub>x</sub>, VOC, lead, and ammonia. The inventory shall be submitted for each calendar year, no later than **April 15<sup>th</sup>** of the following year.

Additionally, the inventory for calendar years 2008 and 2011, shall specify inventory year, inventory start date, inventory end date, inventory type, state FIPS code, county FIPS code, facility ID code, point ID code, process ID code, stack ID code, site name, physical address, SCC or PCC, fuel heat content (annual average), fuel ash content (annual average), fuel sulfur content (annual average), pollutant code, annual throughput, daily throughput, work weekday emissions, annual emissions, emission factor, winter throughput (%), spring throughput (%), summer throughput (%), fall throughput (%), hr/day in operation, start time (hour), day/wk in operation, wk/yr in operation, stack latitude, stack longitude, stack height, stack diameter, exit gas temperature, exit gas velocity, exit gas flow rate, SIC/NAICS, design capacity, maximum nameplate capacity, primary control efficiency (%), secondary control efficiency (%), control device type, and rule effectiveness (%), as defined in 40 Code of Federal Regulations Part 51 Subpart A Appendix A , 7/1/03.

The source shall maintain records of information necessary to substantiate any reported emissions, consistent with the averaging times for the applicable standards. Emission inventories shall be sent to Ecology at:

Section Manager  
Central Regional Air Quality Section  
Department of Ecology  
15 West Yakima Avenue, Suite 200  
Yakima, Washington 98902  
[WAC 173-400-105(1), 8/20/93, 1/10/05 (S)]

- 2.10 Permit renewal and expiration. This permit is issued for a fixed term of five (5) years. The permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted. A renewal application is due **July 4, 2010**. A complete renewal application is due no later than **January 4, 2011**. Upon receipt of a complete and timely application for renewal, this source may continue to operate subject to final action by Ecology on the renewal 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 Ecology, any additional information identified as being needed to process the application. The application for renewal shall include the current permit number, the appropriate renewal fee, description of permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term and shall provide a compliance schedule therefor. The application shall be sent to:

Section Manager  
Central Regional Air Quality Section  
Department of Ecology  
15 West Yakima Avenue, Suite 200  
Yakima, Washington 98902  
[WAC 173-401-610, 9/16/02; WAC 173-401-710, 9/16/02]

- 2.11 Off-permit changes.

2.11.1 The source shall be allowed to make changes not specifically addressed or prohibited by the permit terms and conditions without requiring a permit revision, provided that the proposed changes do not weaken the enforceability of the existing permit conditions. Any change that is a Title I



modification or is a change subject to the acid rain requirements under Title IV of the FCAA must be submitted as a permit revision.

2.11.2 Each such change shall meet all applicable requirements and shall not violate any existing permit term or condition.

2.11.3 Sources must provide contemporaneous written notice to Ecology and EPA of each such change.

Notification shall be submitted to Ecology at:

Section Manager  
Central Regional Air Quality Section  
Department of Ecology  
15 West Yakima Avenue, Suite 200  
Yakima, Washington 98902

and EPA Region 10 at:

U.S. EPA Region 10 Administrator  
1200 Sixth Avenue  
Seattle, Washington 98101

Such written notice shall describe each such change, including the date, any change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change.

2.11.4 The change shall not qualify for the permit shield under WAC 173-401-640.

2.11.5 The permittee shall keep a record describing 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.

2.11.6 A source making a change under this section shall comply with applicable preconstruction review requirements established pursuant to RCW 70.94.152.

[WAC 173-401-724, 9/16/02]

**2.12 Changes not requiring permit revisions.**

2.12.1 Permittee is authorized to make the changes described in this section without a permit revision, providing the following conditions are met:

2.12.1.1 The proposed changes are not Title I modifications;

2.12.1.2 The proposed changes do not result in emissions which exceed those allowable under the permit, whether expressed as a rate of emissions, or in total emissions;

2.12.1.3 The proposed changes do not alter permit terms that are necessary to enforce limitations on emissions from units covered by the permit; and

2.12.1.4 The source provides the administrator and Ecology with written notification at least seven (7) days prior to making the proposed changes except that written notification of a change made in response to an emergency shall be provided as soon as possible after the event.

Notification shall be submitted to Ecology at:

Section Manager  
Central Regional Air Quality Section  
Department of Ecology  
15 West Yakima Avenue, Suite 200  
Yakima, Washington 98902

and EPA Region 10 at:

U.S. EPA Region 10 Administrator  
1200 Sixth Avenue  
Seattle, Washington 98101

The permittee and Ecology shall attach each notice to their copy of the relevant permit.

2.12.2 Pursuant to conditions in 2.12.1, a Chapter 173-401 WAC source is authorized to make section 502(b)(10) changes without a permit revision.

2.12.2.1 For each such change, the written notification required under 2.12.1.4 shall include a brief description of the change within the permitted source, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

2.12.2.2 The permit shield authorized under WAC 173-401-640 shall not apply to any change made pursuant to this paragraph.

2.12.3 Pursuant to the conditions in 2.12.1, a Chapter 173-401 WAC source is authorized to trade increases and decreases in emissions in the permitted source, where the Washington SIP provides for such emissions trades without requiring a permit revision. This provision is available in those cases where the permit does not already provide for such emissions trading.

2.12.3.2 Written notification required under 2.12.1.4 shall include such information as may be required by the provision in the Washington

SIP authorizing the emissions trade, including at a minimum, when the proposed change will occur, a description of each such change, any change in emissions, the permit requirements with which the source will comply using the emissions trading provisions of the Washington SIP, and the pollutants emitted subject to the emissions trade. The notice shall also refer to the provisions with which the source will comply in the applicable implementation plan and that provide for the emissions trade.

2.12.3.2 The permit shield described in WAC 173-401-640 shall not extend to any change made under this paragraph. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the applicable SIP authorizing the emissions trade.

2.12.4 Upon the request of the permittee, Ecology shall issue permits that contain terms and conditions, including all terms required under WAC 173-401-600 through 173-401-630 to determine compliance, allowing for the trading of emissions increases and decreases in the WAC 173-401 source solely for the purpose of complying with a federally enforceable emissions cap that is established in the permit independent of otherwise applicable requirements. The permittee shall include in its application proposed replicable procedures and permit terms that ensure the emissions trades are quantifiable and enforceable. The emissions trading provisions shall not be applied to any emissions units for which emissions are not quantifiable or for which there are no replicable procedures to enforce the emissions trades.

2.12.4.1 Under this paragraph, the written notification required under 2.12.1.4, shall state when the change will occur and shall describe the changes in emissions that will result and how these increases and decreases in emissions will comply with the terms and conditions of the permit.

2.12.4.2 The permit shield described in WAC 173-401-640 shall extend to terms and conditions that allow such increases and decreases in emissions.

2.12.5A source making a change under this section shall comply with applicable preconstruction review requirements established pursuant to 70.94.152 RCW.

[WAC 173-401-722, 9/16/02]

2.13 Reopening for cause.

2.13.1 Permits shall be reopened and revised under any of the following circumstances:

2.13.1.1 Additional applicable requirements become applicable to a Chapter 173-401 WAC source with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirements. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to WAC 173-401-620(2)(j);

2.13.1.2 Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit;

2.13.1.3 Ecology 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

2.13.1.4 The administrator or Ecology determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

2.13.2 Proceedings to reopen and issue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Such reopening shall be made as expeditiously as practicable.

2.13.3 Reopenings under this section shall not be initiated before a notice of such intent is provided to the Chapter 173-401 WAC source by Ecology at least thirty (30) days in advance of the date that the permit is to be reopened, except that Ecology may provide a shorter time period in the case of an emergency.

[WAC 173-401-730, 9/16/02]

2.14 New source review. The permittee shall not construct new sources or make modifications required to be reviewed under WAC 173-400-110, WAC 173-400-113, WAC 173-400-141, or Chapter 173-460 WAC before the permittee obtains written final approval from Ecology in accordance with those regulations, pays

the appropriate fees required by WAC 173-400-116, and pays the cost of public notice described in WAC 173-400-171. [WAC 173-400-110, 8/20/93, 1/10/05 (S); WAC 173-400-113, 8/20/93, 1/10/05 (S); WAC 173-400-116, 8/20/93, 1/10/05 (S); WAC 173-400-141, 8/20/93, 1/10/05 (S); WAC 173-400-171, 8/20/93, 1/10/05 (S); C 173-460-040, 7/21/98 (S); RCW 70.94.152, 2005 (S)]

- 2.15 Replacement or substantial alteration of emission control technology. Prior to replacing or substantially altering emission control technology subject to review under WAC 173-400-114, the permittee shall file for and obtain approval from Ecology according to that regulation. The permittee shall pay the appropriate fees required by WAC 173-400-045(4) prior to commencing construction. [WAC 173-400-045(4), 1/10/05 (S); WAC 173-400-114, 1/10/05 (S); RCW 70.94.153, 2005 (S)]
- 2.16 Demolition and renovation (asbestos). Prior to, during, and after conducting any activity to which 40 CFR 60, Subpart M - National Emission Standard for Asbestos, applies, the permittee shall comply with the requirements of that rule. Such activities include demolition, renovation, asbestos stripping or removal, installing or reinstalling insulation, manufacturing or fabricating certain items, spraying of certain materials, constructing roadways of certain materials, or disposal. [40 CFR 61, Subpart M, 7/1/05; WAC 173-400-075(1), 1/10/05 (S)]
- 2.17 Federal CFC requirements (Title VI).
- 2.17.1 The permittee shall comply with the following standards for recycling and emissions reductions pursuant to 40 CFR 82, Subpart F, except as provided for MVACs in Subpart B:
- 2.17.1.1 Persons conducting maintenance, service, repair, or disposing must follow the prohibitions pursuant to 40 CFR 82.154.
- 2.17.1.2 Persons opening appliances for maintenance, service, repair or disposal must comply with the required practices pursuant to 40 CFR 82.156.
- 2.17.1.3 Equipment used during the maintenance, service, repair or disposal must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- 2.17.1.4 Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

- 2.17.1.5 Persons conducting maintenance, service, repair, or disposing must certify to the Administrator that such person has acquired certified recovery or recycling equipment pursuant to 40 CFR 82.162.
  - 2.17.1.6 Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166.
  - 2.17.1.7 Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156.
  - 2.17.1.8 Owners/operators of appliances normally containing 50 or more pounds of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
  - 2.17.2 If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR 82, Subpart A - Production and Consumption Controls.
  - 2.17.3 If the permittee performs a service on motor (fleet) vehicles and when this service involves ozone depleting substance refrigerant in the MVAC, the permittee is subject to all applicable requirements as specified in 40 CFR 82, Subpart B - Servicing of Motor Vehicle Air Conditioners.
  - 2.17.4 The permittee shall be allowed to switch from any ozone depleting substance to any alternative that is listed in the Significant New Alternative Program promulgated pursuant to 40 CFR 82, Subpart G - Significant New Alternative Policy Program.
- [40 CFR 82, 7/1/05; RCW 70.94.970, 2005 (S); RCW 70.94.980, 2005 (S)]

### **3.0 OPERATIONAL FLEXIBILITY [WAC 173-401-650, 9/16/02]**

The combined cycle unit has two sets of emission limits; one set each of emission units when operating at base-load and at peak-load. The applicable requirements in Table 5.4a apply when the combined cycle unit is operating at base-load (i.e., duct burner(s) NOT in operation). The applicable requirements in Table 5.4b apply when the combined cycle unit is operating at peak-load (i.e., duct burner(s) in operation).

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.

**4.0 COMPLIANCE PLAN** [WAC 173-401-630(3), 9/16/02; WAC 173-401-510(2)(h), 9/16/02]

- 4.1 The permittee shall continue to comply with applicable requirements with which it is currently in compliance.
- 4.2 The permittee shall meet applicable requirements on a timely basis that become effective during the permit term.

**4.3 Compliance certification.**

4.3.1 The permittee shall submit a certification of compliance with permit terms and conditions (i.e., sections 2, 3, 4, and 5) at least once per year. At a minimum a certification of compliance is due, for each January 1<sup>st</sup>, through December 31<sup>st</sup>, no later than the following March 1<sup>st</sup>. Ecology may require that compliance certifications be submitted more frequently for those emission units not in compliance with permit terms and conditions, or where more frequent certification is specified in the applicable requirement.

4.3.2 The compliance certification shall include the following:

- 4.3.2.1 The identification of each term or condition of the permit that is the basis of the certification;
- 4.3.2.2 The compliance status;
- 4.3.2.3 Whether compliance was continuous or intermittent;
- and
- 4.3.2.4 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).

4.3.3 Compliance certification shall be submitted to Ecology at:

Section Manager  
Regional Air Quality Section  
Department of Ecology  
15 W Yakima Ave, Ste 200  
Yakima, Washington 98902

and EPA Region 10 at:

U.S. EPA Region 10 Administrator

1200 Sixth Avenue  
Seattle, Washington 98101

[WAC 173-401-630(5), 9/16/02]

- 4.3.4 The permittee need not certify compliance for insignificant emission units or activities. [WAC 173-401-530(2)(d), 9/16/02]
- 4.3.5 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), 7/1/05]



**5.0 APPLICABLE REQUIREMENTS**

Until this permit expires, is modified or revoked, this permittee is authorized to operate processes 1, 2, 3, 4, 5, and 6. These processes are subject to the requirements shown in Tables 5.1, 5.2, 5.3, 5.4, 5.4a, 5.4b, 5.5, and 5.6, and to the other terms and conditions specified in this permit.

- 5.1 Source Wide.** The following requirements apply SOURCE WIDE; including, but not limited to the combustion turbine, the duct burner, the combined cycle unit (which includes: gas turbine, heat recovery steam generator, duct burner, selective catalytic reduction unit, and the steam generator, sharing a single emission exhaust stack), the backup generator, and the firewater pump, unless an alternate requirement is specifically stated for a particular emissions unit. Since monitoring, recordkeeping, and reporting has not specifically been required by Ecology for insignificant emission units, per WAC 173-400-105(1st ¶), there are no air operating permit monitoring, recordkeeping, and reporting requirements for the insignificant emission units under this Source Wide section, as allowed per WAC 173-401-530(2)(c).

	Applicable Requirement (Source Wide)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
.1.1	RCW 70.94.040, 2005	S	Unlawful for any person to cause air pollution or permit it to be caused in violation of RCW 70.94, or of any ordinance, resolution, rule or regulation validly promulgated thereunder.	None specified.	No additional monitoring required.
.1.2	NOTE: This row intentionally left blank.				

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Applicable Requirement (Source Wide)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
<p>1.3</p> <p>WAC 173-400-040(1st ¶), 8/20/93</p> <p>WAC 173-400-040(1st ¶), 1/10/05; RCW 70.94.154, 2005</p>	<p>F</p> <p>S</p>	<p>All emissions units are required to use RACT.</p>	<p>None specified.</p>	<p>No additional monitoring required.</p>
<p>1.4</p> <p>WAC 173-400-040(1)(a), (b), 8/20/93</p> <p>WAC 173-400-040(1)(a), (b), 1/10/05</p>	<p>F</p> <p>S</p>	<p>Opacity shall not exceed 20% for more than three (3) minutes, in any one (1) hour.</p>	<p>Ecology Method 9A, "Source Test Manual - Procedures for Compliance Testing," State of Washington Department of Ecology, 7/12/90</p>	<p>1) The permittee shall conduct monthly visible emissions surveys of all emission sources and the property boundary during daylight hours as follows: a) the survey shall be conducted from a location with a clear view of the emission source, or boundary, and where the sun is not directly in the observer's eyes. The survey location shall be at least 15 feet but not more than 0.25 miles from the source; b) survey shall be conducted during operation; c) the observer will be educated in the general procedures for determining the presence of visible emissions (i.e. effects on the visibility of emissions caused by background contrast, position of the sun and amount of ambient lighting, and observer position relative to source and sun); d) the survey shall consist of a minimum 15-second visual observation of each emission source to identify those emission sources which exhibit visible emissions; e) in addition to the records required under condition 2.15, the observer shall record the wind direction, sky condition, sun location with respect to the source and the survey location, and the time duration of the survey.</p> <p>2) The permittee shall conduct Ecology Method 9A testing of an emission source when visible emissions, other than uncombined water, are observed during a survey or are otherwise observed by the permittee. Testing shall be conducted as follows: a) testing shall be initiated as soon as possible, but not later than 24 hours after the requirement to conduct such testing is triggered; b) all testing shall be performed during periods when the subject emissions unit is operating; c) testing shall consist of certified opacity readings at 15-second intervals over a minimum period of six consecutive minutes (24 consecutive readings) unless any two readings are greater than 20% opacity in which case the testing period shall be 60 consecutive minutes or until a violation is documented. If a violation is documented, appropriate and timely action shall be taken (as soon as possible, but within 24 hours) to identify and correct the problem causing the opacity. The required recordkeeping shall include the name of the person recording the information, the name(s) of the person(s) taking the corrective action, and the nature, time, date, and effectiveness of any corrective action taken in response to a violation. [WAC 173-401-615(1), 9/16/02]</p>



	Applicable Requirement (Source Wide)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
1.5	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.4.2	F	Visible emissions from the emission units shall not exceed five (5) percent opacity.	EPA RM 9, 40 CFR 60, Appendix A, 7/1/05	Comply with 5.1.4, except that: 2) The permittee shall conduct RM 9 testing when visible emissions are observed during a survey or are otherwise observed by the permittee. Testing shall be conducted as follows: a) testing shall be initiated as soon as possible, but not later than 24 hours after the requirement to conduct such testing is triggered; b) all testing shall be performed during periods when the subject emissions unit is operating; c) testing shall consist of certified opacity readings at 15-second intervals over a minimum period of six consecutive minutes (24 consecutive readings). If a violation is documented, appropriate and timely action shall be taken (as soon as possible, but within 24 hours) to identify and correct the problem causing the opacity. The required recordkeeping shall include the name of the person recording the information, the name(s) of the person(s) taking the corrective action, and the nature, time, date, and effectiveness of any corrective action taken in response to a violation. [WAC 173-401-615(1), 9/16/02]
1.6	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.4.3	F	Visible emissions, from the emission units, at the property boundary of the site shall not exceed zero (0) percent opacity.	EPA RM 9, 40 CFR 60, Appendix A, 7/1/05	Comply with 5.1.4, except that: 2) The permittee shall conduct RM 9 testing when visible emissions are observed during a survey or are otherwise observed by the permittee. Testing shall be conducted as follows: a) testing shall be initiated as soon as possible, but not later than 24 hours after the requirement to conduct such testing is triggered; b) all testing shall be performed during periods when the subject emissions unit is operating; c) testing shall consist of certified opacity readings at 15-second intervals over a minimum period of six consecutive minutes (24 consecutive readings). If a violation is documented, appropriate and timely action shall be taken (as soon as possible, but within 24 hours) to identify and correct the problem causing the opacity. The required recordkeeping shall include the name of the person recording the information, the name(s) of the person(s) taking the corrective action, and the nature, time, date, and effectiveness of any corrective action taken in response to a violation. [WAC 173-401-615(1), 9/16/02]

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Applicable Requirement (Source Wide)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
1.7	WAC 173-400-040(2), 1/10/05	S	No person shall cause or permit the emission of PM from any source to be deposited beyond the property under direct control of the owner(s) or operator(s) of the source in sufficient quantity to interfere unreasonably with the use and enjoyment of the property upon which the material is deposited.	None specified.	No additional monitoring required.
1.8	WAC 173-400-040(3)(a), 8/20/93  WAC 173-400-040(3)(a), 1/10/05	F  S	Reasonable precautions shall be taken to control fugitive emissions.	None specified.	No additional monitoring required.
1.9	WAC 173-400-040(4), 1/10/05	S	Odors which may unreasonably interfere with use and enjoyment of property are prohibited unless recognized good practice and procedures are employed to reduce odors to a reasonable minimum.	None specified.	Comply with applicable requirement for 5.1.23. [WAC 173-401-615(1), 9/16/02]



	Applicable Requirement (Source Wide)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
.1.10	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.9.2	S	Odors from the source shall be controlled by preventing unnecessary release of ammonia, natural gas and other substances producing obnoxious odors at ground level and by minimizing such emissions from the exhaust stack.	Within 30 days following odor detection, the permittee shall determine what remedial measures will be taken, to control odor. Within 60 days following odor detection, the permittee shall implement the remedial measures, unless installation of new equipment is required. If the remedial measure includes the installation of new equipment, such measure shall be taken within 180 days following odor detection. In the event that odor from the project is detected beyond the property boundary of the project following notification and this remedial action period, Ecology may order the permittee to take specific measures to control odor.	In the event that odor from the project is detected beyond the property boundary of the project, Ecology or the permittee shall promptly notify the other of this fact. The permittee shall report in writing to Ecology on remedial measures effectiveness.
.1.11	WAC 173-400-040(5), 8/20/93 <hr/> WAC 173-400-040(5), 1/10/05	F <hr/> S	No emissions detrimental to persons or property.	None specified.	Comply with applicable requirement for 5.1.23. [WAC 173-401-615(1), 9/16/02]
.1.12	WAC 173-400-040(6)(1st ¶), 8/20/93 <hr/> WAC 173-400-040(6)(1st ¶), 1/10/05	F <hr/> S	SO <sub>2</sub> shall not exceed 1000 ppm, on a dry basis, corrected to 7% O <sub>2</sub> for combustion sources, and based on the average of any period of sixty (60) consecutive minutes.	EPA RM 8, 40 CFR Part 60, Appendix A, 7/1/05.	No additional monitoring required.

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.1.13	WAC 173-400-040(7), 8/20/93	F	No person shall cause or permit the installation or use of any means which conceals or masks an emission of an air contaminant.	None specified.	No additional monitoring required.
	WAC 173-400-040(7), 1/10/05	S			
.1.14	WAC 173-400-040(8)(a), 8/20/93	F	Reasonable precautions shall be taken to prevent fugitive dust from becoming airborne.	None specified.	No additional monitoring required.
	WAC 173-400-040(8)(a), 1/10/05	S			
.1.15	WAC 173-400-050(1), (3), 8/20/93	F	PM emissions from combustion sources shall not exceed 0.1 gr/dscf corrected to 7% O <sub>2</sub> .	EPA RM 5, 40 CFR Part 60, Appendix A, 7/1/05.	No additional monitoring required.
	WAC 173-400-050(1), (3), 1/10/05	S			
.1.16	WAC 173-400-060, 8/20/93	F	General process units required to meet all applicable provisions of WAC 173-400-040. PM shall not exceed 0.1 gr/dscf.	EPA RM 5, 40 CFR Part 60, Appendix A, 7/1/05.	No additional monitoring required.
	WAC 173-400-060, 1/10/05	S			
.1.17	WAC 173-400-200(2), 8/20/93	F	No use of excess stack height or dispersion techniques shall be used to meet ambient air quality standards or PSD increments.	None specified.	No additional monitoring required.
	WAC 173-400-200(2), 1/10/05	S			



Applicable Requirement (Source Wide)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
1.18 WAC 173-400-205, 8/20/93 WAC 173-400-205, 1/10/05	F S	No varying of emissions according to atmospheric conditions or ambient concentrations.	None specified.	No additional monitoring required.
1.19 NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.6.1, 3.8, 3.9.3	F	Emission units shall be properly operated and maintained. Emission unit specific O&M manuals shall be developed, maintained up-to-date, and followed by the permittee. Emission units shall be operated and maintained in accordance with the O&M manual(s). Regular O&M records shall be kept at the source and made available for inspection by Ecology, organized in a readily accessible manner. Legible copies of the O&M Manuals shall be on-site in a location known by and available to personnel in direct operation of the emission units and available to Ecology upon request.	O&M manuals shall at a minimum include: 1) Normal operating parameters for the emissions unit(s); 2) A maintenance schedule for the emissions unit(s); 3) Monitoring and record keeping requirements; 4) A description of the monitoring procedures; and 5) Actions for abnormal control system operation.  On line monitors shall be referenced in the Operations and Maintenance Manual.	The O&M manuals shall be kept on file. This file shall be reviewed at least annually with records kept of the date of and personnel who performed such review. Responsible official shall certify that the emission units are being operated per their respective O&M manual. [WAC 173-401-615(1), 9/16/02]

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1.20	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.9.1	F	No outdoor burning shall be conducted at the source.	None specified.	No additional monitoring required.
1.21	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.9.3, 3.9.5, 3.9.9	F	Operation of equipment must be conducted in compliance with all data and specifications submitted as part of the Notice of Construction application unless otherwise approved by Ecology. Any activity undertaken by the permittee, or others, in a manner that is inconsistent with the application or this Order, shall be subject to Ecology enforcement under applicable regulations. A legible copy of NOC No. 01AQCR-2037 Second Revision, shall be on-site in a location known by and available to personnel in direct operation of the emission units and available to Ecology upon request. Nothing in the NOC shall be construed so as to relieve the permittee of its obligations under any state, local, or federal laws or regulations.	None specified.	NOC No. 01AQCR-2037 Second Revision, shall be kept on file. This file shall be reviewed at least annually with records kept of the date of and personnel who performed such review. Responsible official shall certify that the emission units are being operated per their O&M manual. [WAC 173-401-615(1), 9/16/02]



	Applicable Requirement (Source Wide)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
1.22	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.9.10	S	Project shall not interfere with viewing by the Goldendale Observatory.	Within 180 days of Ecology notifying the permittee that the project has interfered with viewing by the Goldendale Observatory, the permittee shall implement remedial measures to ensure that no interference with viewing at the Goldendale Observatory occurs and shall report in writing to Ecology on their effectiveness. In the event that an additional instance of interference is reported following notification and the remedial action period, Ecology may order the permittee to take specific measures.	Comply with applicable requirement for 5.1.23. [WAC 173-401-615(1), 9/16/02]
1.23	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.7.6	F	Permittee shall keep records of complaints as received from the public, Ecology, or any other entity. Any complaints shall be promptly addressed and assessed.	None specified.	Ecology shall be notified within three days of receipt of any complaint. A record shall be maintained of the permittee's action to investigate the validity of the complaint and what, if any, corrective action was taken in response to the complaint.

**5.2 Combustion Turbine . The following applicable requirements apply to the COMBUSTION TURBINE.**

Applicable Requirement (Combustion Turbine)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
<p>2.1</p> <p>40 CFR Part 60.332(a)(1), 60.332(a)(3), 60.332(b), 60.334(b)(2), 60.335(c)(1), 60.335(e), 7/1/05</p> <p><i>(Stationary Turbine NSPS Subpart GG)</i></p> <p>WAC 173-400-115(1)(a), 1/10/05</p> <p>NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.7.7, 3.7.9</p>	F	<p>Permittee shall not cause to be discharged into the atmosphere gases containing NO<sub>x</sub> &gt;:</p> $STD = 0.0075 \left( \frac{(14.4)}{Y} \right)$ <p>where: STD=allowable NO<sub>x</sub> emissions (vd% @ 15% O<sub>2</sub>) Y=manufacturer's rated heat rate at manufacturer's rated load (kJ/Whr) or, actual measured heat rate based upon lower heating value of fuel measured at actual peak load for the facility. Y ≤ 14.4.</p>	None required. [Letter Re: NSPS Subpart GG Alternative Monitoring and Testing Approval, dated June 16, 2004, from USEPA Region 10 to Steve Royall, Goldendale Energy Center]	No additional monitoring required.
<p>2.2</p> <p>40 CFR Part 60.333(a), 60.334(b)(2), 60.335(c)(1), 60.335(d), 7/1/05</p> <p><i>(Stationary Turbine NSPS Subpart GG)</i></p> <p>WAC 173-400-115(1)(a), 1/10/05</p> <p>NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.7.7, 3.7.9</p>	F	<p>Permittee shall not cause to be discharged into the atmosphere gases containing SO<sub>2</sub> &gt; 0.015<sub>vd</sub>% @ 15% O<sub>2</sub>.</p>	None specified.	Comply with 5.2.3. [Letter Re: NSPS Subpart GG Alternative Monitoring and Testing Approval, dated June 16, 2004, from USEPA Region 10 to Steve Royall, Goldendale Energy Center]

Applicable Requirement (Combustion Turbine)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
2.3 40 CFR Part 60.333(b), 60.334(b)(2), 60.335(c)(1), 60.335(d), 7/1/05 <i>(Stationary Turbine            NSPS Subpart GG)</i> <hr/> WAC 173-400-115(1)(a), 1/10/05 <hr/> NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.7.7, 3.7.9	F	Permittee shall not burn fuel containing S > 0.8 <sub>w</sub> %.	ASTM D 1072-80, D 3031-81, D 4084-82, or D 3246-81, shall be used to determine S content of gaseous fuel.	Quarterly sampling & analysis. If S is well below applicable standard with low variability, during quarterly sampling through 6/06, sampling frequency can be reduced to semiannual. If there is a substantial change in fuel quality or any analyses indicate noncompliance, samples must be collected and analyzed on a weekly basis. [Letter Re: NSPS Subpart GG Alternative Monitoring and Testing Approval, dated June 16, 2004, from USEPA Region 10 to Steve Royall, Goldendale Energy Center]
2.4 40 CFR Part 60.7(b), 7/1/05 <i>(Stationary Turbine            NSPS Subpart GG)</i> <hr/> WAC 173-400-115(1)(a), 1/10/05 <hr/> NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.7.7, 3.7.9	F	Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of the combustion turbine, any malfunction of the air pollution control equipment; or any periods during which a CEMS or monitoring device is inoperative.	None specified.	No additional monitoring required.

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	<b>Applicable Requirement (Combustion Turbine)</b>	<b>Enforceability (Federal = F, State = S)</b>	<b>Description (for clarification purposes only, enforceable as listed under 'applicable requirement')</b>	<b>Monitoring and Analysis Procedure or Test Method</b>	<b>Monitoring, Recordkeeping, and Reporting to be Performed by Permittee</b>
.2.5	40 CFR Part 60.7(b), 7/1/05 <i>(Stationary Turbine NSPS Subpart GG)</i> <hr/> WAC 173-400-115(1)(a), 1/10/05 <hr/> NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.7.7, 3.7.9	F	Maintain a file of all measurements, 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 these systems or devices; and all other information required by this part recorded in a permanent form suitable for inspection.	None specified.	No additional monitoring required.
.2.6	40 CFR Part 60.11(d), 7/1/05 <i>(Stationary Turbine NSPS Subpart GG)</i> <hr/> WAC 173-400-115(1)(a), 1/10/05 <hr/> NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.7.7, 3.7.9	F	Maintain and operate combustion turbine and pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.	None specified.	No additional monitoring required.
.2.7	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.3.2	F	Combustion turbine shall operate at a load no less than 55 MW.	None specified.	No additional monitoring required.

Applicable Requirement (Combustion Turbine)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
.2.8	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.3.5	F	Combustion turbine shall operate only when the SCR unit is operating in good order.	None specified.	No additional monitoring required.
.2.9	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.6.3	F	Monitor sulfur content of the fuel being fired in the turbine.	An on-site sulfur analyzer, OR periodic gas sampling AND total sulfur analyzers monitoring each potential gas source.	Sulfur content shall be monitored daily with an on-site sulfur analyzer, OR monitored by periodic gas sampling AND use of daily total sulfur analyzers monitoring each potential gas source.

**5.3 Duct Burner. The following applicable requirements apply to the DUCT BURNER.**

	<b>Applicable Requirement (Duct Burner)</b>	<b>Enforceability (Federal = F, State = S)</b>	<b>Description (for clarification purposes only, enforceable as listed under 'applicable requirement')</b>	<b>Monitoring and Analysis Procedure or Test Method</b>	<b>Monitoring, Recordkeeping, and Reporting to be Performed by Permittee</b>
5.3.1	40 CFR Part 60.42a(a)(1), 60.46a(c), 60.48a(b)(2), 7/1/05 <i>(Boiler NSPS Subpart Da)</i> WAC 173-400-115(1)(a), 1/10/05 NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.7.7, 3.7.9		PM $\leq$ 13 ng/J (0.03 lb/MMBtu) heat input, except during startup, shutdown, or malfunction.	EPA RM 5, 40 CFR Part 60, Appendix A, 7/1/05.	Comply with applicable requirement for 5.4.5. [WAC 173-401-615(1), 9/16/02]
	40 CFR Part 60 Subpart Da § 60.11(b), 60.11(c), 60.42a(b), 60.48a(b)(3), 7/1/05 <i>(Boiler NSPS Subpart Da)</i> WAC 173-400-115(1)(a), 1/10/05 NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.7.7, 3.7.9		Opacity $\leq$ 20%, except for one 6-minute period per hour of not more than 27%, except during periods of startup, shutdown, or malfunction.	EPA RM 9, 40 CFR Part 60, Appendix A, 7/1/05.	Comply with applicable requirement for 5.1.5. [WAC 173-401-615(1), 9/16/02]
	40 CFR Part 60.43a(b)(2), 60.43a(g), 60.46a(c), 60.46a(g) 60.48a(c)(4), 7/1/05 <i>(Boiler NSPS Subpart Da)</i> WAC 173-400-115(1)(a), 1/10/05 NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.7.7, 3.7.9		SO <sub>2</sub> $\leq$ 86 ng/J (0.20 lb/MMBtu) heat input, on a rolling arithmetic average of all hourly emissions for 30 successive boiler operating days, except during periods of startup, or shutdown.	EPA RM 19, 40 CFR Part 60, Appendix A, 7/1/05.	Comply with applicable requirement for 5.4.10. [WAC 173-401-615(1), 9/16/02]

Applicable Requirement (Duct Burner)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
<p>40 CFR Part 60.7(c), 60.7(d), 60.13(a), 60.13(d)(1), 60.13(e)(2), 60.13(f), 60.13(h), 60.44a(a)(1), 60.44a(a)(2), 60.46a(c), 60.46a(e), 60.46a(g), 60.47a(c), 60.47a(d), 60.47a(e), 60.47a(f), 60.47a(i), 60.47a(j), 60.48a(d), 60.49a(b), 60.49a(f), 60.49a(g), 60.49a(i), 7/1/05 (Boiler NSPS Subpart Da)</p> <p>WAC 173-400-115(1)(a), 1/10/05</p> <p>NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.7.7, 3.7.9</p>		<p><math>\text{NO}_x \leq 86 \text{ ng/J}</math> (0.20 lb/MMBtu) heat input, on a rolling arithmetic average of all hourly emissions for 30 successive boiler operating days, except during startup, shutdown, or malfunction.</p>	<p>EPA RM 19, 40 CFR Part 60, Appendix A, 7/1/05. Install, calibrate, maintain, and operate a CEMS, and record measured <math>\text{NO}_x</math>, and <math>\text{O}_2</math> or <math>\text{CO}_2</math> emissions. CEMS shall be operated and data recorded during all periods of operation, including periods of startup, shutdown, and malfunction, except for CEMS breakdowns, repairs, calibration checks, and zero and span adjustments, and shall complete a minimum of one cycle of operation for each successive 15-minute period. 1-hour averages shall be computed from four or more data points equally spaced over each 1-hour period. CEMS data shall be obtained for at least 18 hours in at least 22 out of 30 successive boiler operating days. CEMS shall comply with 40 CFR 60 Appendix B, Performance Specifications, and 40 CFR 60, Appendix F. Quality Assurance Procedures.</p>	<p>At least once daily, check the CEMS zero and span calibration drifts. The zero and span must, as a minimum, be adjusted whenever either the 24-hour zero drift or the 24-hour span drift exceeds two times the limit of the applicable performance specification in Appendix B.</p> <p>Submit written reports for each calendar quarter. All quarterly reports shall be postmarked by the 30<sup>th</sup> day following the end of each calendar quarter. For each 24-hour period, report to EPA &amp; Ecology: (1) calendar date; (2) average <math>\text{NO}_x</math> emission rate for each 30 successive boiler operating days, ending with last 30-day period in the quarter; reasons for non-compliance with the emission standards; and, description of corrective actions taken; (4) identification of the boiler operating days for which pollutant or diluent data have not been obtained, by CEMS, for at least 18 hours of operation of the facility; justification for not obtaining sufficient data; and description of corrective actions taken; (5) identification of the times when emissions data have been excluded from the calculation of average emission rates because of startup, shutdown, or other reasons, and justification for excluding data for reasons other than startup or shutdown; (8) identification of times when the pollutant concentration exceeded full span of the CEMS; (9) description of any modifications to the CEMS which could affect the ability of the CEMS to comply with Performance Specifications 2 or 3. For any periods for which <math>\text{NO}_x</math> emission data are not available, submit a signed statement indicating if any changes were made in operation of the emission control system during the period of data unavailability. Submit a signed statement indicating whether: (1) the required CEMS calibration, span, and drift checks or other periodic audits have been performed as specified; (2) the data used to show compliance was or was not obtained in accordance with approved methods and procedures of Subpart Da and is representative of plant performance; (3) the</p>

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<div>40 CFR Part 60.7(b), 7/1/05 (Boiler NSPS Subpart Da)</div> <div>WAC 173-400-115(1)(a), 1/10/05</div> <div>NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.7.7, 3.7.9</div>		Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of the Duct Burner, any malfunction of the air pollution control equipment; or any periods during which a CEMS or monitoring device is inoperative.	None specified.	No additional monitoring required.
<div>40 CFR Part 60.7(b), 7/1/05 (Boiler NSPS Subpart Da)</div> <div>WAC 173-400-115(1)(a), 1/10/05</div> <div>NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.7.7, 3.7.9</div>		Maintain a file of all measurements, 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 these systems or devices; and all other information required by NSPS Subpart Da recorded in a permanent form suitable for inspection.	None specified.	No additional monitoring required.
<div>40 CFR Part 60 Subpart GG § 60.11(d), 7/1/05 (Boiler NSPS Subpart Da)</div> <div>WAC 173-400-115(1)(a), 1/10/05</div> <div>NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.7.7, 3.7.9</div>		Maintain and operate Duct Burner and pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.	None specified.	Comply with applicable requirement for 5.1.19. [WAC 173-401-615(1), 9/16/02]



Applicable Requirement (Duct Burner)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.1.1		NO <sub>x</sub> shall be controlled by use of low NO <sub>x</sub> Duct Burner	None specified.	No additional monitoring required.
	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.3.3, 3.7.2		Use of the Duct Burner (operation at peak load) shall be no more than 5250 hours per rolling 12-month period.	None specified.	A daily log shall be kept of the hours of operation in base load, operation in peak load, shut-down, and start-up.

**5.4 Combined Cycle Unit . The following requirements apply to the COMBINED CYCLE UNIT made up of the Gas Turbine, Heat Recovery Steam Generator, Duct Burner, Selective Catalytic Reduction unit, and the Steam Generator, sharing a single emission exhaust stack.**

Applicable Requirement (Combined Cycle Unit)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
4.1 NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.1.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.8	F	NO <sub>x</sub> shall be controlled by use of selective catalytic reduction (SCR) in the heat recovery steam generator (HRSG) and good combustion practice. Emissions shall be limited to 2 ppm, d (at 15% O <sub>2</sub> ), 3-hour average.	EPA RM 19 and 20, 40 CFR Part 60, Appendix A, 7/1/05. Each testing event (year) shall alternate between base-load and peak-load operating conditions. Each test shall consist of at least three runs. Testing shall be conducted at a net power output of at least 225 MW, at ambient temperature and pressure. Adequate sampling ports, safe sampling platforms and access to platforms, and utilities, for sampling and testing shall be provided per 40 CFR 60.8. Test plans shall be submitted 30 days prior and written results shall be submitted to Ecology within 60 days of occurrence. Install, calibrate, maintain, and operate, CEMs for NO <sub>x</sub> and O <sub>2</sub> , with an automated data acquisition and handling system, that complies with 40 CFR Part 75 and 40 CFR 60, Appendix B, Performance Specifications, and 40 CFR 60, Appendix F, Quality Assurance Procedures. Records shall be kept of all periods of downtime of the monitors.	Source testing shall be conducted at least once every five years, except that source testing shall be required annually if the limit was exceeded during any of the previous three tests. CEMS reports shall be submitted at least monthly within 30-days of the end of each calendar month, and shall include: (1) process or control equipment operating parameters; (2) daily maximum and average concentration, in the units of the standard(s), for each pollutant monitored; (3) duration and nature of any monitor down-time; (4) results of any monitor audits or accuracy checks; and (5) results of any required stack tests. For each occurrence of monitored emissions in excess of the standard, the report shall include: (6) time of occurrence; (7) magnitude of the emission or process parameters excess; (8) duration of the excess; (9) probable cause; (10) any corrective actions taken or planned; and (11) any other agency contacted.

	Applicable Requirement (Combined Cycle Unit)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
.4.2	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.1.2, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.8	F	CO shall be controlled by use of an oxidation catalyst in the HRSG and good combustion practice. Emissions shall be limited to 2 ppm <sub>d</sub> (at 15% O <sub>2</sub> ), 1-hour average.	EPA RM 10, 40 CFR Part 60, Appendix A, 7/1/05. Each testing event (year) shall alternate between base-load and peak-load operating conditions. Each test shall consist of at least three runs. Testing shall be conducted at a net power output of at least 225 MW, at ambient temperature and pressure. Adequate sampling ports, safe sampling platforms and access to platforms, and utilities, for sampling and testing shall be provided per 40 CFR 60.8. Test plans shall be submitted 30 days prior and written results shall be submitted to Ecology within 60 days of occurrence.  Install, calibrate, maintain, and operate, CEMs for CO & O <sub>2</sub> , with an automated data acquisition and handling system, that complies with 40 CFR 60, Appendix B, Performance Specifications, and 40 CFR 60, Appendix F, Quality Assurance Procedures. Records shall be kept of all periods of downtime of the monitors.	Source testing shall be conducted at least once every five years, except that source testing shall be required annually if the limit was exceeded during any of the previous three tests.  CEMS reports shall be submitted at least monthly within 30-days of the end of each calendar month, and shall include: (1) process or control equipment operating parameters; (2) daily maximum and average concentration, in the units of the standard(s), for each pollutant monitored; (3) duration and nature of any monitor down-time; (4) results of any monitor audits or accuracy checks; and (5) results of any required stack tests. For each occurrence of monitored emissions in excess of the standard, the report shall include: (6) time of occurrence; (7) magnitude of the emission or process parameters excess; (8) duration of the excess; (9) probable cause; (10) any corrective actions taken or planned; and (11) any other agency contacted.

	<b>Applicable Requirement (Combined Cycle Unit)</b>	<b>Enforceability (Federal = F, State = S)</b>	<b>Description (for clarification purposes only, enforceable as listed under 'applicable requirement')</b>	<b>Monitoring and Analysis Procedure or Test Method</b>	<b>Monitoring, Recordkeeping, and Reporting to be Performed by Permittee</b>
.4.3	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.1.3, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9	F	VOCs shall be controlled by use of an oxidation catalyst in the HRSG and good combustion practice	EPA RM 25A, 40 CFR Part 60, Appendix A, 7/1/05. Each testing event (year) shall alternate between base-load and peak-load operating conditions. Each test shall consist of at least three runs. Testing shall be conducted at a net power output of at least 225 MW, at ambient temperature and pressure. Adequate sampling ports, safe sampling platforms and access to platforms, and utilities, for sampling and testing shall be provided per 40 CFR 60.8. Test plans shall be submitted 30 days prior and written results shall be submitted to Ecology within 60 days of occurrence.	Source testing shall be conducted at least once every five years, except that source testing shall be required annually if the limit was exceeded during any of the previous three tests.
.4.4	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.1.4, 3.3.4	F	SO <sub>2</sub> shall be controlled by exclusive use of natural gas and good combustion practice.	None specified.	No additional monitoring required.



	<b>Applicable Requirement (Combined Cycle Unit)</b>	<b>Enforceability (Federal = F, State = S)</b>	<b>Description (for clarification purposes only, enforceable as listed under 'applicable requirement')</b>	<b>Monitoring and Analysis Procedure or Test Method</b>	<b>Monitoring, Recordkeeping, and Reporting to be Performed by Permittee</b>
.4.5	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.1.5, 3.3.4, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9	F	PM <sub>10</sub> shall be controlled by exclusive use of natural gas and good combustion practice and design.	EPA RM 5 or 17, and 19, 40 CFR Part 60, Appendix A, 7/1/05. Each testing event (year) shall alternate between base-load and peak-load operating conditions. Each test shall consist of at least three runs. Testing shall be conducted at a net power output of at least 225 MW, at ambient temperature and pressure. Adequate sampling ports, safe sampling platforms and access to platforms, and utilities, for sampling and testing shall be provided per 40 CFR 60.8. Test plans shall be submitted 30 days prior and written results shall be submitted to Ecology within 60 days of occurrence.	Source testing shall be conducted at least once every five years, except that source testing shall be required annually if the limit was exceeded during any of the previous three tests.
.4.6	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.2.1, 3.3.4	F	TAPs shall be controlled by exclusive use of natural gas and good combustion practice.	None specified.	No additional monitoring required.

	<b>Applicable Requirement (Combined Cycle Unit)</b>	<b>Enforceability (Federal = F, State = S)</b>	<b>Description (for clarification purposes only, enforceable as listed under 'applicable requirement')</b>	<b>Monitoring and Analysis Procedure or Test Method</b>	<b>Monitoring, Recordkeeping, and Reporting to be Performed by Permittee</b>
.4.7	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.2.2, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.4, 3.7.8	F	Ammonia emissions shall be limited to 3 ppm,d (at 15% O <sub>2</sub> , 1-hour average)	Bay Area Air Quality Management District Source Test Procedure ST-1B, January 20, 1982. Each testing event (year) shall alternate between base-load and peak-load operating conditions. Each test shall consist of at least three runs. Testing shall be conducted at a net power output of at least 225 MW, at ambient temperature and pressure. Adequate sampling ports, safe sampling platforms and access to platforms, and utilities, for sampling and testing shall be provided per 40 CFR 60.8. Test plans shall be submitted 30 days prior and written results shall be submitted to Ecology within 60 days of occurrence. Install, calibrate, maintain, and operate, CEMs for NH <sub>3</sub> , with an automated data acquisition and handling system, that complies with 40 CFR 60, Appendix B, Performance Specifications, and 40 CFR 60, Appendix F, Quality Assurance Procedures.	Source testing shall be conducted at least once every five years, except that source testing shall be required annually if the limit was exceeded during any of the previous three tests.  CEMS reports shall be submitted at least monthly within 30-days of the end of each calendar month, and shall include: (1) process or control equipment operating parameters; (2) daily maximum and average concentration, in the units of the standard(s), for each pollutant monitored; (3) duration and nature of any monitor down-time; (4) results of any monitor audits or accuracy checks; and (5) results of any required stack tests. For each occurrence of monitored emissions in excess of the standard, the report shall include: (6) time of occurrence; (7) magnitude of the emission or process parameters excess; (8) duration of the excess; (9) probable cause; (10) any corrective actions taken or planned; and (11) any other agency contacted.  Records shall be kept of all periods of downtime of the monitors. Daily records shall be kept indicating the volume of ammonia maintained on-site and the volume of ammonia used.
.4.8	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.2.3	F	Formaldehyde shall be controlled by use of the oxidation catalyst in the HRSG.	None specified.	No additional monitoring required.

	<b>Applicable Requirement (Combined Cycle Unit)</b>	<b>Enforceability (Federal = F, State = S)</b>	<b>Description (for clarification purposes only, enforceable as listed under 'applicable requirement')</b>	<b>Monitoring and Analysis Procedure or Test Method</b>	<b>Monitoring, Recordkeeping, and Reporting to be Performed by Permittee</b>
.4.9	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.3.1, 3.7.3	F	Source shall be limited to a calendar year average generating capacity of less than 250 MW <sub>e</sub> , measured using maximum continuous electric generating capacity, less minimum auxiliary load, at average ambient temperature and pressure.	None specified.	A daily log shall be kept of the gross power generation and auxiliary load. The net power generation (gross power generation less the auxiliary load) shall be calculated and averaged, at average ambient temperature and pressure, over the most recent 12-month period, monthly.
.4.10	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.3	F	SO <sub>2</sub> ≤ 22.2 lbs/hr and ≤ 3.2 ppm <sub>v</sub> at 15% O <sub>2</sub> , 1-hour average.	EPA RM 6, 40 CFR Part 60, Appendix A, 7/1/05. Each testing event (year) shall alternate between base-load and peak-load operating conditions. Each test shall consist of at least three runs. Testing shall be conducted at a net power output of at least 225 MW, at ambient temperature and pressure. Adequate sampling ports, safe sampling platforms and access to platforms, and utilities, for sampling and testing shall be provided per 40 CFR 60.8. Test plans shall be submitted 30 days prior and written results shall be submitted to Ecology within 60 days of occurrence.	Source testing shall be conducted at least once every five years, except that source testing shall be required annually if the limit was exceeded during any of the previous three tests.

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	<b>Applicable Requirement (Combined Cycle Unit)</b>	<b>Enforceability (Federal = F, State = S)</b>	<b>Description (for clarification purposes only, enforceable as listed under 'applicable requirement')</b>	<b>Monitoring and Analysis Procedure or Test Method</b>	<b>Monitoring, Recordkeeping, and Reporting to be Performed by Permittee</b>
.4.11	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.4.4, 3.6.2, 3.7.1, 3.7.11	F	The combined cycle unit shall not exceed 70.2 tpy NO <sub>x</sub> and 82.3 tpy CO, including startups and shutdowns	Install, calibrate, maintain, and operate, CEMs for NO <sub>x</sub> and CO, with an automated data acquisition and handling system, that complies with 40 CFR Part 75 and 40 CFR 60, Appendix B, Performance Specifications, and 40 CFR 60, Appendix F, Quality Assurance Procedures. Records shall be kept of all periods of downtime of the monitors.	The actual NO <sub>x</sub> and CO emissions, including startup and shutdown, from the combined cycle unit, shall be quantified monthly, using CEMS data, over each rolling 12-month period.
.4.12	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9	F	Sulfuric acid mist shall not exceed 4.6 lbs/hr.	Measured as SO <sub>x</sub> less SO <sub>2</sub> . SO <sub>x</sub> measured by modified ASTM Method D-5504. SO <sub>2</sub> measured by EPA RM 6, July 1, 1999, 40 CFR Part 60, Appendix A, 7/1/05. Each testing event (year) shall alternate between base-load and peak-load operating conditions. Each test shall consist of at least three runs. Testing shall be conducted at a net power output of at least 225 MW, at ambient temperature and pressure. Adequate sampling ports, safe sampling platforms and access to platforms, and utilities, for sampling and testing shall be provided per 40 CFR 60.8. Test plans shall be submitted 30 days prior and written results shall be submitted to Ecology within 60 days of occurrence.	Source testing shall be conducted at least once every five years, except that source testing shall be required annually if the limit was exceeded during any of the previous three tests.



**5.4a Combined Cycle Unit @ Base Load . The following requirements apply to the COMBINED CYCLE UNIT WHEN OPERATING AT BASE LOAD (i.e., Duct Burner NOT in use) made up of the Gas Turbine, Heat Recovery Steam Generator, Selective Catalytic Reduction unit, and the Steam Generator, sharing a single emission exhaust stack.**

Applicable Requirement (Base Load)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
.4a.1 NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.8	F	$\text{NO}_x \leq 316.8 \text{ lbs/24-hrs}$ and $\leq 2.0 \text{ ppm}_d$ at 15% $\text{O}_2$ , 3-hour average, except during start-up or shut-down.	As specified in applicable requirement 5.4.1.	Comply with applicable requirement for 5.4.1.
.4a.2 NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.8	F	$\text{CO} \leq 8.0 \text{ lbs/hr}$ and $\leq 2.0 \text{ ppm}_d$ at 15% $\text{O}_2$ , 1-hour average, except during start-up or shut-down.	As specified in applicable requirement 5.4.2.	Comply with applicable requirement for 5.4.2.
.4a.3 NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9	F	$\text{VOC} \leq 2.8 \text{ lbs/hr}$ and $\leq 6.0 \text{ ppm}_d$ at 15% $\text{O}_2$ , 1-hour average, except during start-up or shut-down.	As specified in applicable requirement 5.4.3.	Comply with applicable requirement for 5.4.3.
.4a.4 NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9	F	$\text{PM} \leq 22.3 \text{ lbs/hr}$	As specified in applicable requirement 5.4.5.	Comply with applicable requirement for 5.4.5.

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Applicable Requirement (Base Load)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
4a.5 NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.4, 3.7.8	F	NH <sub>3</sub> ≤ 7.32 lbs/hr and ≤ 3.0 ppm <sub>d</sub> at 15% O <sub>2</sub> , 1-hour average.	As specified in applicable requirement 5.4.7.	Comply with applicable requirement for 5.4.7.
4a.6 NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.4.1	F	Individual TAP emissions shall not exceed (lb/hr): Acetaldehyde 82 Benzene 28 Formaldehyde 72 Nickel 36 PAH 14 Propylene Oxide 96	None specified.  0.31 0.03 0.40 0.00 0.00 0.04	No additional monitoring required.

**5.4b Combined Cycle Unit @ Peak Load.** The following requirements apply to the **COMBINED CYCLE UNIT WHEN OPERATING AT PEAK LOAD** (i.e., Duct Burner in use) made up of the Gas Turbine, Heat Recovery Steam Generator, Duct Burner, Selective Catalytic Reduction unit, and the Steam Generator, sharing a single emission exhaust stack.

	<b>Applicable Requirement (Peak Load)</b>	<b>Enforceability (Federal = F, State = S)</b>	<b>Description (for clarification purposes only, enforceable as listed under 'applicable requirement')</b>	<b>Monitoring and Analysis Procedure or Test Method</b>	<b>Monitoring, Recordkeeping, and Reporting to be Performed by Permittee</b>
.4b.1	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.8	F	$\text{NO}_x \leq 357.6 \text{ lbs/24-hrs}$ and $\leq 2.0 \text{ ppm,d}$ at 15% $\text{O}_2$ , 3-hour average, except during start-up or shut-down.	As specified in applicable requirement 5.4.1.	Comply with applicable requirement for 5.4.1.
.4b.2	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.8	F	$\text{CO} \leq 9.1 \text{ lbs/hr}$ and $\leq 2.0 \text{ ppm,d}$ at 15% $\text{O}_2$ , 1-hour average, except during start-up or shut-down.	As specified in applicable requirement 5.4.2.	Comply with applicable requirement for 5.4.2.
.4b.3	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9	F	$\text{VOC} \leq 13.3 \text{ lbs/hr}$ and $\leq 6.0 \text{ ppm,d}$ at 15% $\text{O}_2$ , 1-hour average, except during start-up or shut-down.	As specified in applicable requirement 5.4.3.	Comply with applicable requirement for 5.4.3.
.4b.4	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9	F	$\text{PM} \leq 22.3 \text{ lbs/hr}$	As specified in applicable requirement 5.4.5.	Comply with applicable requirement for 5.4.5.

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	<b>Applicable Requirement (Peak Load)</b>	<b>Enforceability (Federal = F, State = S)</b>	<b>Description (for clarification purposes only, enforceable as listed under 'applicable requirement')</b>	<b>Monitoring and Analysis Procedure or Test Method</b>	<b>Monitoring, Recordkeeping, and Reporting to be Performed by Permittee</b>
.4b.5	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.4, 3.7.8	F	$\text{NH}_3 \leq 8.25 \text{ lbs/hr}$ and $\leq 3.0 \text{ ppm,d}$ at 15% $\text{O}_2$ , 1-hour average.	As specified in applicable requirement 5.4.7.	Comply with applicable requirement for 5.4.7.
.4b.6	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.4.1	F	Individual TAP emissions shall not exceed (lb/hr): Acetaldehyde 56 Benzene 88 Formaldehyde 06 Nickel 43 PAH 16 Propylene Oxide 86	None specified. 0.37 0.03 0.48 0.00 0.00 0.05	No additional monitoring required.

**5.5 Backup Generator. The following requirements apply to BACKUP GENERATOR.**

<b>Applicable Requirement (Backup Generator)</b>		<b>Enforceability (Federal = F, State = S)</b>	<b>Description (for clarification purposes only, enforceable as listed under 'applicable requirement')</b>	<b>Monitoring and Analysis Procedure or Test Method</b>	<b>Monitoring, Recordkeeping, and Reporting to be Performed by Permittee</b>
.5.1	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.3.6, 3.7.5	F	Backup generator shall be limited to 500 hours per rolling 12-month period of operation. The permittee shall operate the backup generator only as needed for maintenance and to provide emergency power.	None specified.	Keep a log of actual backup generator and firewater diesel pump operation shall be kept. The log shall identify the reason for operation, hours of operation, fuel type, fuel consumption, and fuel sulfur content.

**5.6 Firewater Pump. The following requirements apply to FIREWATER PUMP.**

<b>Applicable Requirement (Firewater Pump)</b>		<b>Enforceability (Federal = F, State = S)</b>	<b>Description (for clarification purposes only, enforceable as listed under 'applicable requirement')</b>	<b>Monitoring and Analysis Procedure or Test Method</b>	<b>Monitoring, Recordkeeping, and Reporting to be Performed by Permittee</b>
.6.1	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.3.6, 3.7.5	F	Firewater diesel pump shall be limited to 500 hours per rolling 12-month period of operation. The permittee shall operate the firewater pump only as needed for maintenance and to provide fire suppression water.	None specified.	Keep a log of actual backup generator and firewater diesel pump operation shall be kept. The log shall identify the reason for operation, hours of operation, fuel type, fuel consumption, and fuel sulfur content.

**6.0 INAPPLICABLE REQUIREMENTS**

Ecology has determined that the entire source, including all emission units, is not subject to the following requirements at the time of permit issuance. Some of the requirements listed below may become applicable during the permit term due to an invoking event, even though the requirement is deemed inapplicable at the time of permit issuance. Such requirements shall be met on a timely basis by the permittee by submittal of a compliance schedule therefore, per WAC 173-401-510(2)(h)(iii)(B).

Inapplicable Requirement	Title	Explanation
40 CFR Part 64	Compliance Assurance Monitoring	40 CFR 60.2(b)(1)(vi), exempts units from CAM if CEM is employed. While combustion turbine has pre-controlled PTE > 100 TPY NO <sub>x</sub> & CO, both a NO <sub>x</sub> & CO CEMS are employed.
40 CFR Part 68	Chemical Accident Provisions	While ammonia is a listed substance, it is not limited for concentrations less than 20%. Permittee has storage capacity of 9,000 gallons of aqueous ammonia, but the aqueous ammonia is limited to 19 1/2 %.
40 CFR Part 63 Subpart Q	National Emission Standards for Hazardous Air Pollutants for Industrial Process Cooling Towers	Permittee does not use any chromium-based water treatment chemicals.
40 CFR Part 63 Subpart YYYY	National Emission Standards for Hazardous Air Pollutants for Stationary Combustion Turbines	Combustion turbine predates applicability & is not major for HAPs.
WAC 173-400-099	Registration Program	WAC 173-400-101(7), exempts AOP sources.

## **7.0 PHASE II ACID RAIN PERMIT**

### **7.1 SHIELD AND OBLIGATION**

7.1.1 Permit shield. Each affected unit, specifically identified herein, operated in accordance with this Acid Rain permit shall be deemed to be operating in compliance with the Acid Rain Program, except as provided in 40 CFR 72.9(g)(6). [WAC 173-406-502, 11/23/94; 40 CFR 72.51]

7.1.2 Permit obligation. The owners and operators shall operate each affected unit in compliance with this Permit. Each affected source and each affected unit shall meet the requirements of the Acid Rain Program. [WAC 173-406-106(1)(b) & (7)(d), 11/23/94; 40 CFR 72.9(g)(4); 40 CFR 72.9(a)(2); 40 CFR 72.30(a)]

### **7.2 STANDARD CONDITIONS**

7.2.1 General obligation. The requirements of 40 CFR 75 and regulations implementing section 407 of the FCAA shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the act, applicable requirements of Title 173 WAC, and other provisions of the operating permit for the source. [WAC 173-406-106(2)(c), 11/23/94]

7.2.2 Applicability. Any provision of the acid rain program that applies to the affected source, or the affected unit, shall also apply to the owners and operators. [WAC 173-406-106(7)(e) & (7)(f), 11/23/94]

7.2.3 Designated representative. The designated representative of the source shall represent and, by his or her actions, inactions, or submissions, legally bind each owner and operator of the affected source represented and each affected unit at the source in all matters pertaining to the Acid Rain Program, notwithstanding any agreement between the designated representative and such owners and operators. The owners and operators shall be bound by any order issued to the designated representative by the USEPA, Ecology, or a court. [WAC 173-406-201(1), 11/23/94; 40 CFR 72.20(b)]

7.2.4 Authorized account representative.

7.2.4.1 Following the establishment of an Allowance Tracking System account, all matters pertaining to the account, including, but not limited to, the deduction and transfer of allowances in the account, shall be undertaken only by the authorized account representative. The authorized account representative for a general account shall notify, in writing, all persons who have an ownership interest with respect to the allowances held in the account of any Acid Rain Program submission required by 40 CFR 73 or in a procedure under 40 CFR 78, by the date of submission. Each person who has an ownership interest with respect to the allowances held in the account may expressly waive his or her right to receive such notification. [40 CFR 73.33(a), (c)]

7.2.4.2 Identification of allowances by serial number. By no later than **March 1<sup>st</sup>** of each calendar year, for the previous calendar year, the authorized account representative for each affected unit account may identify by serial number the allowances to be deducted from the



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compliance subaccount for purposes of compliance with the unit's SO<sub>2</sub> emissions limitation requirements. Such identification shall be made pursuant to 40 CFR 72. [40 CFR 73.35(c)(1)] [WAC 173-406-106(3), 11/23/94]

7.2.5 SO<sub>2</sub> allowances. The owners and operators shall hold allowances, as of the allowance transfer deadline, in the affected unit's compliance subaccount (after deductions under 40 CFR 73.34(c)) not less than the total annual emissions of SO<sub>2</sub> for the previous calendar year from the affected unit. [WAC 173-406-106(3)(a)(i), 11/23/94; 40 CFR 72.9(c)(1); 40 CFR 72.9(c)(3)(iv)]

7.2.6 Permit revisions.

7.2.6.1 Permit Revisions shall be made according to 40 CFR 72 subpart H. [40 CFR 72 subpart H]

7.2.6.2 Any designated representative who fails to submit any relevant information or who has submitted incorrect information in a permit revision shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary information or corrected information to Ecology.

[WAC 173-406-701, 11/23/94; 40 CFR 72.80(g)]

7.2.7 Duty to reapply.

7.2.7.1 This permit is issued for a term, not to exceed five (5) years. The owners and operators right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted no later than **January 4, 2011**. The designated representative shall submit a complete Acid Rain permit application, to Ecology, and shall include the following elements in a format prescribed by Ecology:

7.2.7.1.1 The original and three copies of all permit applications

7.2.7.1.2 Identification of the affected source for which the permit application is submitted;

7.2.7.1.3 Identification of each affected unit at the source for which the permit application is submitted;

7.2.7.1.4 A complete compliance plan, including certification that, for SO<sub>2</sub> emissions, as of the allowance transfer deadline, the designated representative will hold allowances in the affected unit's compliance subaccount (after deductions under 40 CFR 73.34(c) of this chapter), not less than the total annual emissions of SO<sub>2</sub> from the affected unit.

7.2.7.1.5 The standard requirements under 40 CFR 72.9.

7.2.7.1.6 The date that the affected unit has commenced or will commence operation and the deadline for monitor certification.

[WAC 173-406-106(1)(a)(i), 11/23/94; WAC 173-406-106(3) & (4), 11/23/94; WAC 173-406-302, 11/23/94; WAC 173-406-401(1), 11/23/94]

7.2.7.2 Submit in a timely manner any supplemental information that Ecology determines is necessary in order to review the Acid Rain permit application and issue or deny an Acid Rain permit.

[WAC 173-406-106(1)(a)(ii), 11/23/94; 40 CFR 72.9(a)(1)(iii); 40 CFR 72.30(a), (c), (d); 40 CFR 72.31; 40 CFR 72.40(a)]

[WAC 173-605(1), 11/23/94; RCW 70.94.221, 2000 (S)]

**7.3 Monitoring**

**7.3.1 Duty to monitor.** The owners and operators and, to the extent applicable, designated representative shall comply with the monitoring requirements as provided in 40 CFR 75. No owner or operator of an affected unit shall operate the unit without complying with the requirements of 40 CFR 75.2 through 75.75 and appendices A through G. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 72.9(b)(1); 40 CFR 75.5(b)]

**7.3.2 Monitoring provisions.** The owner or operator shall install, certify, operate, and maintain, in accordance with all the requirements of 40 CFR 75, a NO<sub>x</sub> CEMS (consisting of a NO<sub>x</sub> pollutant concentration monitor and an O<sub>2</sub> diluent gas monitor) with the automated data acquisition and handling system for measuring and recording NO<sub>x</sub> concentration (in ppm), O<sub>2</sub> concentration (in percent O<sub>2</sub>) and NO<sub>x</sub> emission rate (in lb/mmBtu) discharged to the atmosphere. The owner or operator shall account for total NO<sub>x</sub> emissions, both NO and NO<sub>x</sub>, either by monitoring for both NO and NO<sub>x</sub> or by monitoring for NO only and adjusting the emissions data to account for NO<sub>x</sub>. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.10(a)(2)]

**7.3.3 CEMS.** The owner or operator shall operate, calibrate and maintain each CEMS used to report emission data under the Acid Rain Program according to 40 CFR 75.21. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.21]

**7.3.4 SO<sub>2</sub> emission monitoring.** The owner or operator shall ensure that an excepted monitoring system under 40 CFR 75 appendix D meets the applicable general operating requirements of 40 CFR 75.10, the applicable requirements of appendix D, and the initial certification or recertification requirements of 40 CFR 75.20(g). [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.20(g)]

**7.3.5 NO<sub>x</sub> CEMS.** The owner or operator shall meet the general operating requirements in 40 CFR 75.10 for a NO<sub>x</sub>-diluent CEMS, except as provided in accordance with subpart E of this part. However, the heat input apportionment provisions in section 2.1.2 of 40 CFR 75 appendix D shall not be used to meet the NO<sub>x</sub> mass reporting provisions of this subpart, except as provided in 40 CFR 75.72(a). [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.71(c)(2)]

**7.3.6 Primary equipment performance requirements.** The owner or operator shall ensure that each CEMS required by 40 CFR 75 meets the equipment, installation, and performance specifications in 40 CFR 75 appendix A; and is maintained according to the quality assurance and quality control procedures in 40 CFR 75 appendix B; and shall record NO<sub>x</sub> emissions in the appropriate units of measurement (i.e., lb/mmBtu for NO<sub>x</sub>). [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.10(b)]

**7.3.7 CEMS recertification.**

**7.3.7.1** The owner or operator shall recertify the CEMS according to 40 CFR 75.20, whenever:

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- 7.3.7.1.1 A replacement, modification, or change in a certified CEMS that may significantly affect the ability of the system to accurately measure or record the NO<sub>x</sub> emission rate, or to meet the requirements of 40 CFR 75.21 or 40 CFR 75 appendix B.
- 7.3.7.1.2 A replacement, modification, or change to the flue gas handling system or the affected unit operation may significantly change the flow or concentration profile.
- 7.3.7.1.3 The monitor path length changes.
- 7.3.7.1.4 Any change to a gas monitoring system for which a RATA is not necessary.
- 7.3.7.2 The data validation procedures in 40 CFR 75.20(b)(3) shall be applied to RATAs associated with changes to flow or moisture monitor coefficients, and to linearity checks, 7-day calibration error tests, and cycle time tests, when these are required as diagnostic tests.
- 7.3.7.3 Tests required.
- 7.3.7.3.1 For all recertification testing, the owner or operator shall complete all initial certification tests in 40 CFR 75.20(c) that are applicable to the monitoring system, including.
- 7.3.7.3.1.1 For each NO<sub>x</sub>-diluent CEMS:
- 7.3.7.3.1.2 O<sub>2</sub> diluent gas monitor certified for use in a NO<sub>x</sub> CEMS may be submitted to meet the requirements of 40 CFR 75.20 (c)(4).
- 7.3.7.3.1.3 For the automated data acquisition and handling system
- 7.3.7.3.2 For diagnostic testing after changing the K factor or mathematical algorithm of a moisture monitoring system, the owner or operator shall complete a RATA.
- 7.3.7.4 Notification. The owner, operator, or designated representative shall submit notice of testing dates for recertification under this paragraph as specified in 40 CFR 75.61(a)(1)(ii).
- 7.3.7.5 Data validation. The data validation provisions in 40 CFR 75.20(b)(3)(i) through (b)(3)(ix) shall apply to all CEMS recertifications and diagnostic testing. The provisions in 40 CFR 75.20(b)(3)(ii) through (b)(3)(ix) may also be applied to Initial certifications and may be used to supplement the linearity check and RATA data validation procedures in sections 2.2.3(b) and 2.3.2(b) of 40 CFR 75 appendix B.
- 7.3.7.6 Recertification application. The designated representative shall apply for recertification of each CEMS used under the Acid Rain Program. The owner or operator shall submit the recertification application in accordance with 40 CFR 75.60, and each complete recertification application shall include the information specified in 40 CFR 75.63.  
[WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.20(b), (c)]
- 7.3.8 Monitoring plan.
- 7.3.8.1 General provisions. The owner or operator shall meet the requirements of 40 CFR 75.53 paragraphs (a), (b), (e) and (f).
- 7.3.8.2 The owner or operator shall prepare and maintain a monitoring plan. Except as provided in 40 CFR 75.53(f) (as applicable), a monitoring plan shall contain sufficient

information on the CEMS, excepted monitoring systems under 40 CFR 75 appendix D and the use of data derived from these systems to demonstrate that all unit NO<sub>x</sub> emissions are monitored and reported.

7.3.8.3 Whenever the owner or operator makes a replacement, modification, or change in the certified CEMS, excepted monitoring system under 40 CFR 75 appendix D, including a change in the automated data acquisition and handling system or in the flue gas handling system, that affects information reported in the monitoring plan, then the owner or operator shall update the monitoring plan.

7.3.8.4 Contents of the monitoring plan. Each monitoring plan shall contain the information in 40 CFR 75.53(e)(1) and (f)(1)(i) and (f)(g) in electronic format and the information in 40 CFR 75.53(e)(2) and (f)(1)(ii) in hardcopy format. Electronic storage of all monitoring plan information, including the hardcopy portions, is permissible provided that a paper copy of the information can be furnished upon request for audit purposes.

Additionally, for each monitoring system recertification, maintenance, or other event, the designated representative shall include the information in 40 CFR 75.53(f)(4) in electronic format.

[WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.53(a), (b), (e), (f)]

7.3.9 Primary equipment hourly operating requirements. The owner or operator shall ensure that all CEMS required by 40 CFR 75 are in operation and monitoring unit emissions at all times that the affected unit combusts any fuel except as provided in 40 CFR 75.11(e) and during periods of calibration, quality assurance, or preventive maintenance, performed pursuant 40 CFR 75.21 and appendix B, periods of repair, periods of backups of data from the data acquisition and handling system, or recertification performed pursuant to 40 CFR 75.20. The owner or operator shall ensure that the following requirements are met:

7.3.9.1 Each CEMS and component thereof is capable of completing a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-min interval. The owner or operator shall reduce all O<sub>2</sub> concentration, NO<sub>x</sub> concentration, and NO<sub>x</sub> emission rate data collected by the monitors to hourly averages. Hourly averages shall be computed using at least one data point in each fifteen minute quadrant of an hour, where the unit combusted fuel during that quadrant of an hour. Notwithstanding this requirement, an hourly average may be computed from at least two data points separated by a minimum of 15 minutes (where the unit operates for more than one quadrant of an hour) if data are unavailable as a result of the performance of calibration, quality assurance, or preventive maintenance activities pursuant to 40 CFR 75.21 and appendix B, backups of data from the data acquisition and handling system, or recertification, pursuant to 40 CFR 75.20. The owner or operator shall use all valid measurements or data points collected during an hour to calculate the hourly averages. All data points collected during an hour shall be, to the extent practicable, evenly spaced over the hour.

7.3.9.2 If a valid hour of data is not obtained, the owner or operator shall estimate and record emissions for the missing hour by means of the automated data acquisition and handling system, in accordance with the applicable procedure for missing data substitution in 40 CFR 75 subpart D.

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[WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.10(d)]

7.3.10 CEMS obligation.

7.3.10.1 No owner or operator shall disrupt the CEMS, any portion thereof, or any other approved emission monitoring method, and thereby avoid monitoring and recording NO<sub>x</sub> emissions discharged to the atmosphere, except for periods of recertification, or periods when calibration, quality assurance, or maintenance is performed pursuant to 40 CFR 75.21 and appendix B. [40 CFR 75.5(e)]

7.3.10.2 No owner or operator shall retire or permanently discontinue use of the CEMS, any component thereof, or any other approved emission monitoring system under 40 CFR 75, except under any one of the circumstances listed in 40 CFR 75.5(f).

[WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.5(e), (f)]

7.3.11 Heat input measurement requirement. The owner or operator shall determine and record the heat input to each affected unit for every hour or part of an hour any fuel is combusted following the procedures in 40 CFR 75 appendix F. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.10(c)]

7.3.12 Minimum measurement capability requirement. The owner or operator shall ensure that each CEMS and component thereof is capable of accurately measuring, recording, and reporting data, and shall not incur an exceedance of the full scale range, except as provided in sections 2.1.1.5, 2.1.2.5, and 2.1.4.3 of 40 CFR 75 appendix A. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.10(f)]

7.3.13 Minimum recording and reporting requirements. The owner or operator shall record and the designated representative shall report the hourly, daily, quarterly, and annual information collected under the requirements of this part as specified in 40 CFR 75 subparts F and G. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.10(g)]

7.3.14 Precision criteria. Data collection, analysis, screening, calculation adjustments, and statistical tests shall be performed according to 40 CFR 75.41. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.41]

7.4 Recordkeeping

7.4.1 Record retention.

7.4.1.1 The owners and operators shall keep on site at the affected source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the USEPA or Ecology.

7.4.1.1.1 The certificate of representation and all documents that demonstrate the truth of the statements in the certificate of representation, provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation

7.4.1.1.2 All emissions monitoring information, in accordance with part 40 CFR 75, provided that to the extent that 40 CFR 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.

7.4.1.1.3 Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program.

7.4.1.1.4 Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.

[WAC 173-406-106(6), 11/23/94; 40 CFR 72.9(f)(1)]

7.4.1.2 Recordkeeping requirement. The owner or operator shall maintain for each affected unit a file of all data and information required under 40 CFR 75.57(a), at the source, in a form suitable for inspection, for at least three (3) years from the date of each record. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.57]

7.4.2 CEMS records. The owner or operator shall record the applicable information in 40 CFR 75.59 for each certified monitor or certified monitoring system measuring and recording emissions from an affected unit, including;

7.4.2.1 For each NO<sub>x</sub> pollutant concentration monitor or diluent gas monitor (including wet- and dry-basis O<sub>2</sub> monitors used to determine percent moisture), the owner or operator shall record the information in 40 CFR 75.59(a) for all calibration error tests and all off-line calibration demonstrations, including any follow-up tests after corrective action.

7.4.2.2 The owner or operator shall record the applicable information from 40 CFR 75.59(b) for each accepted monitoring system following the requirements of 40 CFR 75 appendix D for determining excepted monitoring and recording emissions from an affected unit.

7.4.2.3 The owner or operator shall keep the records, required by 40 CFR 75.59(c) on-site in the quality assurance/quality control plan required by section 1 of 40 CFR 75 appendix B.

[WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.59]

7.4.3 General recordkeeping. The owner or operator shall maintain a file of all measurements, data, reports, and other information required by 40 CFR 75 at the source in a form suitable for inspection for at least three (3) years from the date of each record. Except for the certification data required in 40 CFR 75.57(a)(4) and the initial submission of the monitoring plan required in 40 CFR 75.57(a)(5), the data shall be collected beginning with the earlier of the date of provisional certification or the deadline in 40 CFR 75.70. The certification data required in 40 CFR 75.57(a)(4) shall be collected beginning with the date of the first certification test performed. The file shall contain the information specified in 40 CFR 75.73(a). [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.73(a)]

7.4.4 Monitoring plan recordkeeping. Whenever the owner or operator makes a replacement, modification, or change in the certified CEMS, excepted methodology 40 CFR Sec. 75.19, excepted monitoring system under 40 CFR 75 appendix E, including a change in the automated data acquisition and handling system or in the flue gas handling system, that affects information reported in the monitoring plan, then the owner or operator shall update the monitoring plan. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.73(c)]

7.4.5 Emissions. No owner or operator shall operate the affected unit so as to discharge, or allow to be discharged, emissions of SO<sub>2</sub>, NO<sub>x</sub>, or CO<sub>2</sub> to the atmosphere without accounting for all such emissions in accordance with the provisions of 40 CFR 75.10 through 75.19. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.5(d)]

7.4.6 SO<sub>2</sub> emissions. The owner or operator shall measure and record SO<sub>2</sub> emissions by providing other information satisfactory to EPA using the applicable procedures specified in 40 CFR 75 appendix D for estimating hourly SO<sub>2</sub> mass emissions. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.11(d)]

7.4.7 SO<sub>2</sub> allowances.

7.4.7.1 The following formula shall be used to determine the total number of allowances to be deducted for the calendar year from the allowances held in an affected unit's compliance subaccount as of the allowance transfer deadline applicable to that year:

Total allowances deducted = Tons emitted + Allowances surrendered for underutilization

where:

"Tons emitted" is the total tons of SO<sub>2</sub> emitted by the unit during the calendar year, as reported in accordance with 40 CFR 75.

"Allowances surrendered for underutilization" is the total number of allowances calculated in accordance with 40 CFR 72.92 (a) and (c).

[40 CFR 72.95]

7.4.7.2 Calculation rounding. All allowances under 40 CFR 72 and 73 shall be allocated as whole allowances. All calculations for such allowances shall be rounded down for decimals less than 0.500 and up for decimals of 0.500 or greater. [40 CFR 73.12(a)]

[WAC 173-406-106(3), 11/23/94]

7.4.8 NO<sub>x</sub> emissions. The owner or operator shall calculate hourly, quarterly, and annual NO<sub>x</sub> emission rates (in lb/mmBtu) by combining the NO<sub>x</sub> concentration (in ppm), and diluent concentration (in percent O<sub>2</sub>), measurements according to the procedures in 40 CFR 75 appendix F. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.12(c)]

7.4.9 NO<sub>x</sub> mass emissions. Except as provided in paragraphs (e) and (f) of 40 CFR 75.72, the owner or operator shall calculate hourly NO<sub>x</sub> mass emissions (in lbs) by multiplying the hourly NO<sub>x</sub> emission rate (in lbs/mmBtu) by the hourly heat input (in mmBtu/hr) and the hourly operating time (in hr). The owner or operator shall also calculate quarterly and cumulative year-to-date NO<sub>x</sub> mass emissions and cumulative NO<sub>x</sub> mass emissions for the ozone season (in tons) by summing the hourly NO<sub>x</sub> mass emissions according to the procedures in section 8 of 40 CFR 75 appendix F. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.72 1<sup>st</sup> paragraph]

7.4.10 Out-of-control periods and system bias.

7.4.10.1 If an out-of-control period occurs to a monitor or CEMS, the owner or operator shall take corrective action and repeat the tests applicable to the "out-of-control parameter" as described in 40 CFR 75 appendix B.

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- 7.4.10.2 When a monitor or CEMS is out-of-control, any data recorded by the monitor or monitoring system are not quality-assured and shall not be used in calculating monitor data availabilities pursuant to 40 CFR 75.32.
- 7.4.10.3 When a monitor or CEMS is out-of-control, the owner or operator shall take action under 40 CFR 75.24(c) until the monitor or monitoring system has successfully met the relevant criteria in 40 CFR 75 appendices A and B as demonstrated by subsequent tests.
- 7.4.10.4 When the bias test indicates that a NO<sub>x</sub> concentration monitoring system used to determine NO<sub>x</sub> mass emissions, as defined in 40 CFR 75.71(a)(2), is biased low the owner or operator shall adjust the monitor or CEMS to eliminate the cause of bias such that it passes the bias test or calculate and use the bias adjustment factor as specified in section 2.3.4 of 40 CFR 75 appendix B.
- [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.24(a), (b), (c), (d)]

7.4.11 Missing data procedures for NO<sub>x</sub>. The owner or operator shall either record the applicable information in 40 CFR 75.58(b)(3) for each hour of missing NO<sub>x</sub> emission rate (in addition to other information), or shall record the information in 40 CFR 75.58(b)(2). [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.58]

7.4.12 NO<sub>x</sub> emission controls.

7.4.12.1 The owner or operator shall use one of the options in 40 CFR 75.34(a) for each hour in which quality-assured data from the outlet NO<sub>x</sub> monitoring system(s) are not obtained.

7.4.12.2 The owner or operator shall keep records of information as described in 40 CFR 75 subpart F to verify the proper operation of the NO<sub>x</sub> emission controls during all periods of NO<sub>x</sub> emission missing data.

[WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.34(a), (d)]

7.4.13 Missing data procedures for heat input determinations. When hourly heat input is determined using a diluent gas (O<sub>2</sub>) monitor, substitute data must be provided to calculate the heat input whenever quality assured data are unavailable from the flow monitor, the diluent gas monitor, or both, according to 40 CFR 75.36. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.36]

7.4.14 Missing data procedures for moisture. The owner or operator of an affected unit with a continuous moisture monitoring system shall substitute for missing moisture data using the procedures of 40 CFR 75.37. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.37]

## 7.5 Reporting

7.5.1 Addresses. All reporting, shall be sent to the identified entity at the corresponding address(es), as listed below:

**Department of Ecology**  
Section Manager  
Central Regional Office  
15 West Yakima Avenue, Suite 200  
Yakima, WA 98902



**USEPA**

Acid Rain Program (6204N)  
1200 Pennsylvania Avenue, NW  
Washington DC 20460

**EPA Region 10**

Director  
EPA Office of Air Quality  
1200 Sixth Avenue, OAQ 107  
Seattle, WA 98101

**Director**

Acid Rain Division (6204J)  
401 M Street, SW  
Washington DC 20460

- 7.5.2 Certification by designated representative. Each submission under the Acid Rain Program shall be submitted, signed, and certified by the designated representative. The designated representative shall certify, by his or her signature:

7.5.2.1 "I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made."

7.5.2.2 "I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."

[WAC 173-406-201(2) & (3), 11/23/94; 40 CFR 72.21(a), (b)]

- 7.5.3 Designated representative reporting. The designated representative shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR 72 subpart I and 40 CFR 75. [40 CFR 72.9(f)(2)] The designated representative shall comply with all reporting requirements of 40 CFR 75 and with the signatory requirements of 40 CFR 72.21 for all submissions. The designated representative shall comply with all reporting requirements in 40 CFR 75.73. The designated representative shall submit all reports and petitions (except as provided in Sec. 75.61) as follows:

7.5.3.1 Initial certifications. The designated representative shall submit initial certification applications according to 40 CFR 75.63, and initial certification and recertification applications in accordance with 40 CFR 75.70(d).

7.5.3.2 Recertifications. The designated representative shall submit recertification applications according to 40 CFR 75.63.

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- 7.5.3.3 Monitoring plans. The designated representative shall submit monitoring plans according to 40 CFR 75.62 and in accordance with 40 CFR 75.70(e). Monitoring plan reporting shall be completed as follows:
- 7.5.3.3.1 Electronic submission. The designated representative shall submit a complete, electronic, up-to-date monitoring plan file (except for hardcopy portions identified in paragraph (e)(2) of this section) as follows:
- 7.5.3.3.1.1 To Ecology, no later than 45 days prior to the initial certification test and at the time of recertification application submission; and
- 7.5.3.3.1.2 To the USEPA, no later than 45 days prior to the initial certification test, at the time of submission of a recertification application, and in each electronic quarterly report.
- 7.5.3.3.2 Hardcopy submission. The designated representative shall submit all of the hardcopy information required under 40 CFR 75.53, to Ecology prior to initial certification. Thereafter, the designated representative shall submit hardcopy information only if that portion of the monitoring plan is revised. The designated representative shall submit the required hardcopy information as follows: no later than 45 days prior to the initial certification test; with any recertification application, if a hardcopy monitoring plan change is associated with the recertification event; and within 30 days of any other event with which a hardcopy monitoring plan change is associated, pursuant to 40 CFR 75.53(b).
- 7.5.3.4 Electronic quarterly reports. The designated representative shall submit electronic quarterly reports according to 40 CFR 75.64 and in accordance with 40 CFR 75.70(f). Quarterly reports shall be submitted as follows:
- 7.5.3.4.1 Electronic submission. The designated representative shall electronically report the data and information in 40 CFR 75.73(f)(1), (2) and (3) to the USEPA quarterly. Each electronic report must be submitted to the USEPA within 30 days following the end of each calendar quarter. Each electronic report shall include the date of report generation, for the information provided in 40 CFR 75.73(f)(1)(ii) through (1)(vi), and shall also include the requirements listed at 40 CFR 75.73(f)(1).
- 7.5.3.4.2 The designated representative shall certify that the component and system identification codes and formulas in the quarterly electronic reports submitted to the USEPA pursuant to 40 CFR 75.73(e) represent current operating conditions.
- 7.5.3.4.3 Compliance certification. The designated representative shall submit and sign a compliance certification in support of each quarterly emissions monitoring report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall include the required statements of 40 CFR 75.73(f)(3).
- 7.5.3.4.4 The designated representative shall comply with all of the quarterly reporting requirements in 40 CFR 75.64(d), (f), and (g).
- 7.5.3.5 Notifications. The designated representative shall submit written notice to Ecology according to the provisions in 40 CFR 75.61.
- 7.5.3.6 Other petitions and communications. The designated representative shall submit petitions, correspondence, application forms, designated representative signature, and

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petition-related test results in hardcopy to the USEPA in accordance with 40 CFR 75.70(h).

Additional petition requirements are specified in 40 CFR 75.66 and 75.67.

[WAC 173-406-106(6)(c), 11/23/94; 40 CFR 75.60(a), (b); 40 CFR 75.73]

- 7.5.4 Submissions. The designated representative for an affected unit (or owner or operator, as specified) shall submit notice to the USEPA, to the EPA Region 10 Office, and Ecology for the following purposes:

7.5.4.1 Recertification. The owner or operator or designated representative shall submit written notification of recertification tests, and revised test dates as specified in 40 CFR 75.20 for CEMS, except as provided in paragraphs 40 CFR 75.61(a)(1)(iii), (a)(1)(iv) and (a)(4) and except for testing only of the data acquisition and handling system. Each application for initial certification or recertification shall contain the information, and be in the format, specified in 40 CFR 75.63(b) and (c).

- 7.5.4.2 Recertifications.

7.5.4.2.1 Within 45 days after completing all recertification tests, submit to the USEPA the electronic information required by 40 CFR 75.63(b)(1) and a hardcopy certification application form (EPA form 7610-14). Except for subpart E applications for alternative monitoring systems or unless specifically requested by the USEPA, do not submit a hardcopy of the test data and results to the USEPA.

7.5.4.2.2 Within 45 days after completing all recertification tests, submit the hardcopy information required by 40 CFR 75.63(b)(2) to the EPA Region 10 Office and Ecology

- 7.5.4.3 Periodic relative accuracy test audits. The owner or operator or designated representative shall submit written notice of the date of periodic relative accuracy testing performed under appendix B of this part no later than 21 days prior to the first scheduled day of testing. Testing may be performed on a date other than that already provided in a notice, as long as notice of the new date is provided either in writing or by telephone or other means acceptable to the respective State agency or office of EPA, and the notice is provided as soon as practicable after the new testing date is known, but no later than twenty-four (24) hours in advance of the new date of testing. Written notification may be provided either by mail, facsimile, or electronic mail.

[WAC 173-406-106(6)(c), 11/23/94; 40 CFR 75.61(a); 40 CFR 75.63]

- 7.5.5 Monitoring plan.

7.5.5.1 Electronic. Using the format specified by the USEPA, the designated representative shall submit a complete, electronic, up-to-date monitoring plan file (except for hardcopy portions identified in (2) of this section) to the USEPA at the time of recertification application submission and in each electronic quarterly report.

7.5.5.2 Hardcopy. The designated representative shall submit all of the hardcopy information required in 40 CFR 75.53 to the EPA Region 10 Office and Ecology prior to initial certification. Thereafter, the designated representative shall submit hardcopy information only if that portion of the monitoring plan is revised. The designated representative shall submit the required hardcopy information as follows: with any recertification application, if a hardcopy monitoring plan change is associated with the recertification event and within 30 days of any

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other event with which a hardcopy monitoring plan change is associated, pursuant to 40 CFR 75.53(b). Electronic submittal of all monitoring plan information, including hardcopy portions, is permissible provided that a paper copy of the hardcopy portions can be furnished upon request.

- 7.5.5.3 Contents. Monitoring plans shall contain the information specified in 40 CFR 75.53. [WAC 173-406-106(6)(c), 11/23/94; 40 CFR 75.62]

7.5.6 Quarterly reports.

- 7.5.6.1 Electronic submission. The designated representative shall electronically report the data and information in 40 CFR 75.64(a), (b), and (c) to the USEPA quarterly, beginning with the data from the later of: the calendar quarter corresponding to the date of provisional certification; or the calendar quarter corresponding to the relevant deadline for initial certification in 40 CFR 75.4(a), (b), or (c), whichever quarter is earlier. The initial quarterly report shall contain hourly data beginning with the hour of provisional certification or the hour corresponding to the relevant certification deadline, whichever is earlier. For any provisionally-certified monitoring system, 40 CFR 75.20(a)(3) shall apply for initial certifications, and 40 CFR 75.20(b)(5) shall apply for recertifications. Each electronic report must be submitted to the USEPA within 30 days following the end of each calendar quarter. Each electronic report shall contain the information specified in 40 CFR 75.64(a), (b).

- 7.5.6.2 Compliance certification. The designated representative shall submit a certification in support of each quarterly emissions monitoring report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall indicate whether the monitoring data submitted were recorded in accordance with the applicable requirements of this part including the quality control and quality assurance procedures and specifications of 40 CFR 75 and its appendices, and any such requirements, procedures and specifications of an applicable excepted or approved alternative monitoring method. The designated representative shall also include a certification, for all hours where data are substituted following the provisions of 40 CFR 75.34(a)(1), that the add-on emission controls were operating within the range of parameters listed in the monitoring plan and that the substitute values recorded during the quarter do not systematically underestimate NO<sub>x</sub> emissions, pursuant to 40 CFR 75.34.

- 7.5.6.3 Electronic format. Each quarterly report shall be submitted in a format to be specified by the USEPA, including both electronic submission of data and electronic or hardcopy submission of compliance certifications.

- 7.5.6.4 Method of submission. All quarterly reports shall be submitted to USEPA by direct computer-to-computer electronic transfer via modem and USEPA-provided software, unless otherwise approved by the USEPA.

- 7.5.6.5 Any cover letter text accompanying a quarterly report shall either be submitted in hardcopy to the USEPA or be provided in electronic format compatible with the other data required to be reported under 40 CFR 75.64.

[WAC 173-406-106(6)(c), 11/23/94; 40 CFR 75.64]

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- 7.5.7 Excess emissions requirements. The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR 77. The owners and operators shall comply with the terms of an approved offset plan, as required by 40 CFR 77. [WAC 173-406-106(5)(a), 11/23/94; 40 CFR 72.9(e)]
- 7.5.8 SO<sub>2</sub> emissions.
- 7.5.8.1 Allowance transfer submittals. All submittals under 40 CFR 73 subpart D, Allowance Transfers, shall be made by the designated representative to the Director and shall meet the requirements specified in 40 CFR 72.21. [40 CFR 73.13]
- 7.5.8.2 Submission of transfers. Authorized account representatives seeking recordation of an allowance transfer shall request such transfer by submitting to the USEPA, in a format to be specified by the USEPA, an Allowance Transfer Form. The request shall be made according to 40 CFR 73.50(b) [40 CFR 73.50(b)(1), (2)]
- 7.5.8.3 SO<sub>2</sub> excess emissions.
- 7.5.8.3.1 Not later than **March 1st** of the following calendar year during which an affected unit had excess emissions of SO<sub>2</sub> (except for any increase in excess emissions under 40 CFR 72.91(b) of this chapter), the designated representative shall submit to the USEPA a complete proposed offset plan, meeting the requirements of 40 CFR 77.3, to offset those emissions.
- 7.5.8.3.2 The designated representative shall hold enough allowances in the appropriate compliance subaccount to cover the deductions to be made in accordance with 40 CFR 77.5 (a) or (c).  
[40 CFR 77.5(b)]
- 7.5.8.4 SO<sub>2</sub> auctions. Sealed bids shall be sent to the USEPA using the Bid Form for SO<sub>2</sub> Allowance Auctions or some method of electronic transfer if the USEPA, following public notice, so requires or permits at some future time. The bid form shall include all elements identified in 40 CFR 73.71(b) and shall be accompanied by payment according to 40 CFR 73.71(c). [40 CFR 73.71]  
[WAC 173-406-106(3), 11/23/94]
- 7.5.9 Annual compliance certification. For each calendar year, the designated representative shall submit to USEPA and Ecology, by **March 1<sup>st</sup>** of the following calendar year, an annual compliance certification report for the unit. The compliance certification report shall contain all of the elements listed in 40 CFR 72.90(b), in a format prescribed by USEPA concerning the affected unit and the calendar year covered by the report. [WAC 173-406-106(6)(c), 11/23/94; WAC 173-406-801(1), 11/23/94; 40 CFR 72.90]
- 7.5.10 Duty to update. Within 30 days following any change in the owners and operators of an affected unit, including the addition of a new owner or operator, the designated representative or any alternative designated representative, shall submit, to USEPA and Ecology, a revision to the certificate of representation amending the list of owners and operators to include the change. [40 CFR 72.23(c)(2)]



## Air Operating Permit Application

### Form 8: Compliance Schedule

Facility Name: PSE Goldendale Generating Station

Confidentiality Claim? Yes ☐ No ☒

Process #: 1

Applicable Requirement Identifier	Current Compliance Status (In or Out)	Compliance Status over Past Year (Continuous or Intermittent)	Method used to Determine Compliance Status
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See attached Annual Compliance Certification – 2009

WAC 173-501-510(2)(h)

Goldendale is operating in compliance with all applicable requirements and intends to continue to comply with these requirements. Goldendale will meet applicable requirements that will become effective during the permit term on a timely basis. A compliance plan and schedule will be provided, if required, in the case of non-compliance events.



Puget Sound Energy  
P.O. Box 90868  
Bellevue, WA 98009-0868  
PSE.com

February 24, 2010

Lynnette Haller, PE  
Central Regional Offices, Air Quality Program  
Washington State Department of Ecology  
15 W. Yakima Ave., Suite 200  
Yakima, WA 98902-3452  
(509) 575-2490

**CERTIFIED MAIL/RETURN RECEIPT REQUESTED**

RE: Goldendale Generating Station  
AOP No. 06AQ-CO25  
Annual Compliance Certification - 2009

Dear Ms. Haller:

Please find Puget Sound Energy – Goldendale Generating Station’s Annual Compliance Certification 2009 (ACC) for Air Operating Permit No. 06AQ-CO25.

We hope this revised format is better suited for ACC reporting and the information provided is clear. Please call me at 425-457-5835 if you have any questions or concerns.

Sincerely,  
Puget Sound Energy

Joey Henderson  
Program Manager – CT Compliance

Attachments: Goldendale ACC 2009

C: USEPA Region 10  
File – Goldendale AOP

**ANNUAL COMPLIANCE CERTIFICATION**  
**Puget Sound Energy – Goldendale Generating Station**  
**Air Operating Permit No. 06AQ-C025**

**Reporting Year 2009**

Based on discussions with plant personnel, specific test methods, monitoring, recordkeeping and reporting required under Goldendale Generating Station's Air Operating Permit and any other information reasonable available, I, the undersigned certify to the following for the reporting period beginning January 1, 2009 and ending December 31, 2009.

Goldendale has been in compliance as described below with the terms and conditions of AOP No. 06AQ-C025, except to the extent that column 5 of Table 1 states that compliance was intermittent for the identified permit term or condition.

I am the responsible official as defined in WAC 173-401-200, for this source.

Based upon information and belief formed after reasonable inquiry, I certify that the statements and information in this document and all referenced documents and attachments are true, accurate and complete.

**RESPONSIBLE OFFICIAL:**

Name: **L.E. Odom**

Title: **Director, Thermal and Wind Resources**

Signature: *L.E. Odom*

Date: 2/24/10

**Air Operating Permit Compliance Status**

**TABLE 1**

	Applicable Requirement (Source Wide)	Method Used for Determination of Compliance	Identify any other information reasonably available or otherwise known relating to the compliance status (optional)	During the reporting period, was compliance <i>Continuous</i> or <i>Intermittent</i> ?	Current compliance status- <i>In Compliance</i> or <i>Out of Compliance</i> (last day of reporting period)
2.1	Duty to Comply [WAC 173-401-620(2)(a), 9/16/02]	No violations received		Continuous	In Compliance
2.2	Inspection and Entry [WAC 173-401-630(2), 9/16/02; RCW 70.94.200, 2005 (S); NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.9.4]	Any agency access requests were granted		Continuous	In Compliance



	Applicable Requirement (Source Wide)	Method Used for Determination of Compliance	Identify any other information reasonably available or otherwise known relating to the compliance status (optional)	During the reporting period, was compliance <i>Continuous</i> or <i>Intermittent</i> ?	Current compliance status- <i>In Compliance</i> or <i>Out of Compliance</i> (last day of reporting period)
2.3	Permit Fees [WAC 173-401-620(2)(f), 9/16/02; RCW 70.94.162(1), 2005; WAC 173-401-930(3), 9/16/02]	Permit fees were paid		Continuous	In Compliance
2.4	Duty to Provide Information [WAC 173-401-620(2)(e), 9/16/02]	Any requested information was provided		Continuous	In Compliance
2.5	Recordkeeping [WAC 173-401-615(2)(a), 9/16/02], [WAC 173-401-615(2)(b), 9/16/02], [WAC 173-401-615(2)(c), 9/16/02; NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.7.12]	Records of operational parameters were maintained		Continuous	In Compliance
2.6	Reporting [WAC 173-401-615(3)(a), 9/16/02], [WAC 173-401-615(3)(b), 9/16/02]	Submitted as required, except as noted	A March 14, 2009 emission exceedance was not included in the August 27, 2009 Semi-Annual Monitoring Report to Ecology. An addendum to this report was submitted Feb 24, 2010 to include this deviation	Intermittent	In Compliance
2.7	Excess Emissions [WAC 173-401-645, 9/16/02], [WAC 173-400-107(3), 8/20/93, 1/10/05 (S)]	Submitted as required		Continuous	In Compliance
2.8	Submittals [WAC 173-401-520, 9/16/02], [WAC 173-401-500(6), 9/16/02]	Submitted as required		Continuous	In Compliance
2.9	Emission Inventory [WAC 173-400-105(1), 8/20/93, 1/10/05 (S)]	Submitted as required		Continuous	In Compliance
2.10	Permit Renewal and Expiration [WAC 173-401-610, 9/16/02; WAC 173-401-710, 9/16/02]	No active compliance requirements in this section for the compliance period.		Continuous	In Compliance
2.11	Off-Permit Changes [WAC 173-401-724, 9/16/02]	No active compliance requirements in this section for the compliance period.		Continuous	In Compliance

Applicable Requirement (Source Wide)		Method Used for Determination of Compliance	Identify any other information reasonably available or otherwise known relating to the compliance status (optional)	During the reporting period, was compliance <i>Continuous</i> or <i>Intermittent</i> ?	Current compliance status- <i>In Compliance</i> or <i>Out of Compliance</i> (last day of reporting period)
2.12	Changes Not Requiring Permit Revisions [WAC 173-401-722, 9/16/02]	No active compliance requirements in this section for the compliance period.		Continuous	In Compliance
2.13	Reopening for Cause [WAC 173-401-730, 9/16/02]	No active compliance requirements in this section for the compliance period.		Continuous	In Compliance
2.14	New Source Review [WAC 173- 400-110, 8/20/93, 1/10/05 (S); WAC 173-400-113, 8/20/93, 1/10/05 (S); WAC 173-400-116, 8/20/93, 1/10/05 (S); WAC 173- 400-141, 8/20/93, 1/10/05 (S); WAC 173-400-171, 8/20/93, 1/10/05 (S); C 173-460-040, 7/21/98 (S); RCW 70.94.152, 2005 (S)]	No new sources or modifications falling under this requirement.		Continuous	In Compliance
2.15	Replacement or Substantial Alteration of Emission Control Technology [WAC 173-400- 045(4), 1/10/05 (S); WAC 173- 400-114, 1/10/05 (S); RCW 70.94.153, 2005 (S)]	No alterations or modifications to emission controls.		Continuous	In Compliance
2.16	Demolition and Renovation (Asbestos) [40 CFR 61, Subpart M, 7/1/05; WAC 173-400- 075(1), 1/10/05 (S)]	No active compliance requirements in this section for the compliance period.		Continuous	In Compliance
2.17	Federal CFC Requirements (Title IV) [40 CFR 82, 7/1/05; RCW 70.94.970, 2005 (S); RCW 70.94.980, 2005 (S)]	No active compliance requirements in this section for the compliance period.		Continuous	In Compliance
3.0	Operational Flexibility [WAC 173-401-650, 9/16/02]	Applicable requirements were met as the facility was in compliance with Table 5.4a and 5.4b		Continuous	In Compliance

Applicable Requirement (Source Wide)		Method Used for Determination of Compliance	Identify any other information reasonably available or otherwise known relating to the compliance status (optional)	During the reporting period, was compliance <i>Continuous</i> or <i>Intermittent</i> ?	Current compliance status- <i>In Compliance</i> or <i>Out of Compliance</i> (last day of reporting period)
4.0	Compliance Plan [WAC 173-401-630(3), 9/16/02; WAC 173-401-510(2)(h), 9/16/02]	Compliant Plan in place		Continuous	In Compliance
4.1	The permittee shall continue to comply with applicable requirements with which it is currently in compliance	Current requirements continue to be in compliance		Continuous	In Compliance
4.2	The permittee shall meet applicable requirements on a timely basis that become effective during the permit term	Applicable requirements were met on a timely basis		Continuous	In Compliance
4.3	Compliance Certification [WAC 173-401-630(5), 9/16/02], [WAC 173-401-530(2)(d), 9/16/02], [40 CFR 60.11(g), 7/1/05]	Submitted as required		Continuous	In Compliance
5.1.1	RCW 70.94.040, 2005	Air pollution not caused in violation with this requirement		Continuous	In Compliance
5.1.2	<i>NOTE: This row intentionally left blank.</i>				
5.1.3	WAC 173-400-040(1st ¶), 8/20/93  WAC 173-400-040(1st ¶), 1/10/05; RCW 70.94.154, 2005	RACT employed as required		Continuous	In Compliance
5.1.4	WAC 173-400-040(1)(a), (b), 8/20/93  WAC 173-400-040(1)(a), (b), 1/10/05	Observations		Continuous	In Compliance
5.1.5	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.4.2	Observations		Continuous	In Compliance
5.1.6	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.4.3	Observations		Continuous	In Compliance

	Applicable Requirement (Source Wide)	Method Used for Determination of Compliance	Identify any other information reasonably available or otherwise known relating to the compliance status (optional)	During the reporting period, was compliance <i>Continuous</i> or <i>Intermittent</i> ?	Current compliance status- <i>In Compliance</i> or <i>Out of Compliance</i> (last day of reporting period)
5.1.7	WAC 173-400-040(2), 1/10/05	No activities occurred to cause PM to be deposited as described		Continuous	In Compliance
5.1.8	WAC 173-400-040(3)(a), 8/20/93  WAC 173-400-040(3)(a), 1/10/05	Operations were conducted as outlined in O&M Manual and fugitive emissions were controlled		Continuous	In Compliance
5.1.9	WAC 173-400-040(4), 1/10/05	Operations were conducted as outlined in O&M Manual and odors were controlled		Continuous	In Compliance
5.1.10	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.9.2	Operations were conducted as outlined in O&M Manual and odors were controlled		Continuous	In Compliance
5.1.11	WAC 173-400-040(5), 8/20/93  WAC 173-400-040(5), 1/10/05	Operations were conducted as outlined in O&M Manual and no emissions detrimental to persons or property were emitted		Continuous	In Compliance
5.1.12	WAC 173-400-040(6)(1st ¶), 8/20/93  WAC 173-400-040(6)(1st ¶), 1/10/05	Sulfur content was monitored and maintained below limit required to meet this limit		Continuous	In Compliance
5.1.13	WAC 173-400-040(7), 8/20/93  WAC 173-400-040(7), 1/10/05	Operations were conducted as outlined in O&M Manual and emissions were not concealed or masked		Continuous	In Compliance
5.1.14	WAC 173-400-040(8)(a), 8/20/93  WAC 173-400-040(8)(a), 1/10/05	Operations were conducted as outlined in O&M Manual and fugitive emissions were controlled		Continuous	In Compliance

Applicable Requirement (Source Wide)		Method Used for Determination of Compliance	Identify any other information reasonably available or otherwise known relating to the compliance status (optional)	During the reporting period, was compliance <i>Continuous</i> or <i>Intermittent</i> ?	Current compliance status- <i>In Compliance</i> or <i>Out of Compliance</i> (last day of reporting period)
5.1.15	WAC 173-400-050(1), (3), 8/20/93  WAC 173-400-050(1), (3), 1/10/05	Good combustion practices were maintained to meet this limit		Continuous	In Compliance
5.1.16	WAC 173-400-060, 8/20/93  WAC 173-400-060, 1/10/05	Good combustion practices were maintained to meet this limit		Continuous	In Compliance
5.1.17	WAC 173-400-200(2), 8/20/93  WAC 173-400-200(2), 1/10/05	Operations were conducted as outlined in O&M Manual and dispersion techniques were not used to meet requirements		Continuous	In Compliance
5.1.18	WAC 173-400-205, 8/20/93  WAC 173-400-205, 1/10/05	Operations were conducted as outlined in O&M Manual and emissions were not varied to ambient conditions		Continuous	In Compliance
5.1.19	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.6.1, 3.8, 3.9.3	O&M Manual developed and reviewed to meet requirements		Continuous	In Compliance
5.1.20	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.9.1	No outdoor burning conducted		Continuous	In Compliance
5.1.21	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.9.3, 3.9.5, 3.9.9	Operations conducted as required in NOC		Continuous	In Compliance
5.1.22	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.9.10	Project is not known to interfere with Observatory views		Continuous	In Compliance
5.1.23	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.7.6	No complaints were received		Continuous	In Compliance

**5.2 Combustion Turbine . The following applicable requirements apply to the COMBUSTION TURBINE.**

	<b>Applicable Requirement (Combustion Turbine)</b>	<b>Method Used for Determination of Compliance</b>	<b>Identify any other information reasonably available or otherwise known relating to the compliance status (optional)</b>	<b>During the reporting period, was compliance <i>Continuous</i> or <i>Intermittent</i>?</b>	<b>Current compliance status- <i>In Compliance</i> or <i>Out of Compliance</i> (last day of reporting period)</b>
5.2.1	40 CFR Part 60.332(a)(1), 60.332(a)(3), 60.332(b), 60.334(b)(2), 60.335(c)(1), 60.335(e), 7/1/05 <i>(Stationary Turbine NSPS Subpart GG)</i> WAC 173-400-115(1)(a), 1/10/05 NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.7.7, 3.7.9	Emissions were maintained below limits as calculated		Continuous	In Compliance
5.2.2	40 CFR Part 60.333(a), 60.334(b)(2), 60.335(c)(1), 60.335(d), 7/1/05 <i>(Stationary Turbine NSPS Subpart GG)</i> WAC 173-400-115(1)(a), 1/10/05 NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.7.7, 3.7.9	Emissions were maintained below limits as calculated		Continuous	In Compliance
5.2.3	40 CFR Part 60.333(b), 60.334(b)(2), 60.335(c)(1), 60.335(d), 7/1/05 <i>(Stationary Turbine NSPS Subpart GG)</i> WAC 173-400-115(1)(a), 1/10/05 NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.7.7, 3.7.9	Sulfur content was monitored below limits		Continuous	In Compliance

Applicable Requirement (Combustion Turbine)		Method Used for Determination of Compliance	Identify any other information reasonably available or otherwise known relating to the compliance status (optional)	During the reporting period, was compliance <i>Continuous</i> or <i>Intermittent</i> ?	Current compliance status- <i>In Compliance</i> or <i>Out of Compliance</i> (last day of reporting period)
5.2.4	40 CFR Part 60.7(b), 7/1/05 (Stationary Turbine NSPS Subpart GG) WAC 173-400-115(1)(a), 1/10/05 NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.7.7, 3.7.9	Records kept as required		Continuous	In Compliance
5.2.5	40 CFR Part 60.7(b), 7/1/05 (Stationary Turbine NSPS Subpart GG) WAC 173-400-115(1)(a), 1/10/05 NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.7.7, 3.7.9	Records kept as required		Continuous	In Compliance
5.2.6	40 CFR Part 60.11(d), 7/1/05 (Stationary Turbine NSPS Subpart GG) WAC 173-400-115(1)(a), 1/10/05 NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.7.7, 3.7.9	Control equipment was maintained and operated as described		Continuous	In Compliance
5.2.7	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.3.2	Turbine operated above minimum required load		Continuous	In Compliance
5.2.8	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.3.5	Turbine was operated with SCR in good order		Continuous	In Compliance
5.2.9	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.6.3	Sulfur content was monitored as required		Continuous	In Compliance

5.3 Duct Burner. The following applicable requirements apply to the DUCT BURNER.

Applicable Requirement (Duct Burner)	Method Used for Determination of Compliance	Identify any other information reasonably available or otherwise known relating to the compliance status (optional)	During the reporting period, was compliance <i>Continuous</i> or <i>Intermittent</i> ?	Current compliance status- <i>In Compliance</i> or <i>Out of Compliance</i> (last day of reporting period)
5.3.1 40 CFR Part 60.42a(a)(1), 60.46a(c), 60.48a(b)(2), 7/1/05 (Boiler NSPS Subpart Da) WAC 173-400-115(1)(a), 1/10/05 NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.7.7, 3.7.9	Good combustion practices were maintained to meet this limit		Continuous	In Compliance
5.3.2 40 CFR Part 60 Subpart Da § 60.11(b), 60.11(c), 60.42a(b), 60.48a(b)(3), 7/1/05 (Boiler NSPS Subpart Da) WAC 173-400-115(1)(a), 1/10/05 NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.7.7, 3.7.9	Observations		Continuous	In Compliance
5.3.3 40 CFR Part 60.43a(b)(2), 60.43a(g), 60.46a(c), 60.46a(g) 60.48a(c)(4), 7/1/05 (Boiler NSPS Subpart Da) WAC 173-400-115(1)(a), 1/10/05 NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.7.7, 3.7.9	Emissions were maintained below limits as calculated		Continuous	In Compliance



	<b>Applicable Requirement (Duct Burner)</b>	<b>Method Used for Determination of Compliance</b>	<b>Identify any other information reasonably available or otherwise known relating to the compliance status (optional)</b>	<b>During the reporting period, was compliance <i>Continuous</i> or <i>Intermittent</i>?</b>	<b>Current compliance status- <i>In Compliance</i> or <i>Out of Compliance</i> (last day of reporting period)</b>
5.3.4	40 CFR Part 60.7(c), 60.7(d), 60.13(a), 60.13(d)(1), 60.13(e)(2), 60.13(f), 60.13(h), 60.44a(a)(1), 60.44a(a)(2), 60.46a(c), 60.46a(e), 60.46a(g), 60.47a(c), 60.47a(d), 60.47a(e), 60.47a(f), 60.47a(i), 60.47a(j), 60.48a(d), 60.49a(b), 60.49a(f), 60.49a(g), 60.49a(i), 7/1/05 <i>(Boiler NSPS Subpart Da)</i> WAC 173-400-115(1)(a), 1/10/05 NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.7.7, 3.7.9	Emissions were maintained below limits as monitored with certified CEMS		Continuous	In Compliance
5.3.5	40 CFR Part 60.7(b), 7/1/05 <i>(Boiler NSPS Subpart Da)</i> WAC 173-400-115(1)(a), 1/10/05 NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.7.7, 3.7.9	Records were kept as required		Continuous	In Compliance
5.3.6	40 CFR Part 60.7(b), 7/1/05 <i>(Boiler NSPS Subpart Da)</i> WAC 173-400-115(1)(a), 1/10/05 NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.7.7, 3.7.9	Records were kept as required		Continuous	In Compliance
5.3.7	40 CFR Part 60 Subpart GG § 60.11(d), 7/1/05 <i>(Boiler NSPS Subpart Da)</i> WAC 173-400-115(1)(a), 1/10/05 NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.7.7, 3.7.9	Control equipment and duct burner maintained and operated as described		Continuous	In Compliance

Applicable Requirement (Duct Burner)		Method Used for Determination of Compliance	Identify any other information reasonably available or otherwise known relating to the compliance status (optional)	During the reporting period, was compliance <i>Continuous</i> or <i>Intermittent</i> ?	Current compliance status- <i>In Compliance</i> or <i>Out of Compliance</i> (last day of reporting period)
5.3.8	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.1.1	NOx controlled by low NOx duct burner		Continuous	In Compliance
5.3.9	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.3.3, 3.7.2	Operational limit not exceeded based on run data		Continuous	In Compliance

**5.4 Combined Cycle Unit . The following requirements apply to the COMBINED CYCLE UNIT made up of the Gas Turbine, Heat Recovery Steam Generator, Duct Burner, Selective Catalytic Reduction unit, and the Steam Generator, sharing a single emission exhaust stack.**

Applicable Requirement (Combined-Cycle Unit)		Method Used for Determination of Compliance	Identify any other information reasonably available or otherwise known relating to the compliance status (optional)	During the reporting period, was compliance <i>Continuous</i> or <i>Intermittent</i> ?	Current compliance status- <i>In Compliance</i> or <i>Out of Compliance</i> (last day of reporting period)
5.4.1	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.1.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.8	Emissions were controlled as described based on monitoring and testing performed at the unit, except as noted	Excess emissions occurred March 14, 2009. Occurrence described in April 21, 2009 submittal.	Intermittent	In Compliance
5.4.2	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.1.2, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.8	Emissions controlled as described based on monitoring and testing performed at the unit		Continuous	In Compliance
5.4.3	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.1.3, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9	Emissions controlled as described based on monitoring and testing performed at the unit		Continuous	In Compliance
5.4.4	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.1.4, 3.3.4	Emissions controlled by exclusive use of natural gas and good combustion practices at the unit		Continuous	In Compliance
5.4.5	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.1.5, 3.3.4, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9	Emissions controlled by exclusive use of natural gas and good combustion practices at the unit		Continuous	In Compliance

Applicable Requirement (Combined-Cycle Unit)		Method Used for Determination of Compliance	Identify any other information reasonably available or otherwise known relating to the compliance status (optional)	During the reporting period, was compliance <i>Continuous</i> or <i>Intermittent</i> ?	Current compliance status- <i>In Compliance</i> or <i>Out of Compliance</i> (last day of reporting period)
5.4.6	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.2.1, 3.3.4	Emissions controlled by exclusive use of natural gas and good combustion practices at the unit		Continuous	In Compliance
5.4.7	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.2.2, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.4, 3.7.8	Emissions controlled as described based on monitoring and testing performed at the unit		Continuous	In Compliance
5.4.8	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.2.3	Unit operated with an oxidation catalyst		Continuous	In Compliance
5.4.9	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.3.1, 3.7.3	Source operated to an average less than the limit based on run data		Continuous	In Compliance
5.4.10	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.3	Emissions controlled as described based on testing performed at the unit		Continuous	In Compliance
5.4.11	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.4.4, 3.6.2, 3.7.1, 3.7.11	Emissions totaled less than annual limits based on CEMS data		Continuous	In Compliance
5.4.12	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9	Emissions controlled as described based on testing performed at the unit		Continuous	In Compliance

**5.4a Combined Cycle Unit @ Base Load.** The following requirements apply to the COMBINED CYCLE UNIT WHEN OPERATING AT BASE LOAD (i.e., Duct Burner NOT in use) made up of the Gas Turbine, Heat Recovery Steam Generator, Selective Catalytic Reduction unit, and the Steam Generator, sharing a single emission exhaust stack.

Applicable Requirement (Base Load)		Method Used for Determination of Compliance	Identify any other information reasonably available or otherwise known relating to the compliance status (optional)	During the reporting period, was compliance <i>Continuous</i> or <i>Intermittent</i> ?	Current compliance status- <i>In Compliance</i> or <i>Out of Compliance</i> (last day of reporting period)
5.4a.1	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.8	Emissions were controlled as described based on monitoring and testing performed at the unit, except as noted	Excess emissions occurred March 14, 2009. Occurrence described in April 21, 2009 submittal.	Intermittent	In Compliance
5.4a.2	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.8	Emissions controlled as described based on monitoring and testing performed at the unit		Continuous	In Compliance
5.4a.3	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9	Emissions controlled as described based on monitoring and testing performed at the unit		Continuous	In Compliance
5.4a.4	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9	Emissions controlled by exclusive use of natural gas and good combustion practices at the unit		Continuous	In Compliance
5.4a.5	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.4, 3.7.8	Emissions controlled as described based on monitoring and testing performed at the unit		Continuous	In Compliance
5.4a.6	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.4.1	Operations were conducted based on industry standards		Continuous	In Compliance

5.4b Combined Cycle Unit @ Peak Load. The following requirements apply to the COMBINED CYCLE UNIT WHEN OPERATING AT PEAK LOAD (i.e., Duct Burner in use) made up of the Gas Turbine, Heat Recovery Steam Generator, Duct Burner, Selective Catalytic Reduction unit, and the Steam Generator, sharing a single emission exhaust stack.

Applicable Requirement (Peak Load)		Method Used for Determination of Compliance	Identify any other information reasonably available or otherwise known relating to the compliance status (optional)	During the reporting period, was compliance <i>Continuous</i> or <i>Intermittent</i> ?	Current compliance status- <i>In Compliance</i> or <i>Out of Compliance</i> (last day of reporting period)
5.4b.1	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.8	Emissions were controlled as described based on monitoring and testing performed at the unit		Continuous	In Compliance
5.4b.2	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.8	Emissions controlled as described based on monitoring and testing performed at the unit		Continuous	In Compliance
5.4b.3	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9	Emissions controlled as described based on monitoring and testing performed at the unit		Continuous	In Compliance
5.4b.4	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9	Emissions controlled by exclusive use of natural gas and good combustion practices at the unit		Continuous	In Compliance
5.4b.5	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.4, 3.7.8	Emissions controlled as described based on monitoring and testing performed at the unit		Continuous	In Compliance
5.4b.6	NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.4.1	Operations were conducted based on industry standards		Continuous	In Compliance

**5.5 Backup Generator.** The following requirements apply to BACKUP GENERATOR.

Applicable Requirement (Backup Generator)	Method Used for Determination of Compliance	Identify any other information reasonably available or otherwise known relating to the compliance status (optional)	During the reporting period, was compliance <i>Continuous</i> or <i>Intermittent</i> ?	Current compliance status- <i>In Compliance</i> or <i>Out of Compliance</i> (last day of reporting period)
5.5.1 NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.3.6, 3.7.5	Compliance met as the unit operated less than the rolling 12-mo limit and only for emergency power purposes		Continuous	In Compliance

**5.6 Firewater Pump.** The following requirements apply to FIREWATER PUMP.

Applicable Requirement (Firewater Pump)	Method Used for Determination of Compliance	Identify any other information reasonably available or otherwise known relating to the compliance status (optional)	During the reporting period, was compliance <i>Continuous</i> or <i>Intermittent</i> ?	Current compliance status- <i>In Compliance</i> or <i>Out of Compliance</i> (last day of reporting period)
5.6.1 NOC No. 01AQCR-2037 Second Revision, 1/13/05, Condition 3.3.6, 3.7.5	Compliance met as the unit operated less than the rolling 12-mo limit and only for fire suppression purposes		Continuous	In Compliance

**Deviation Report Summary**

**TABLE 2**

Applicable Requirement	Date the Report was Submitted	Report Description (Did the previously reported deviation come to the agency as a CEM report, NESHAP report, etc.?)	Additional Information (Has the agency evaluated this deviation and is the status still pending? Has the agency decided to pursue enforcement?)
5.4.1	April, 21, 2009	Reported and described in CEMS Monthly Air Permit report	No action taken
5.4a.1	April, 21, 2009	Reported and described in CEMS Monthly Air Permit report	No action taken
2.6.1	February 24, 2010	A March 14, 2009 emission exceedance was not included in the August 27, 2009 Semi-Annual Monitoring Report to Ecology. An addendum to this report was submitted Feb 24, 2010 to include this deviation	Agency has not had an opportunity to evaluate this deviation at the time of this report

**Appendix B:**  
**Acid Rain Permit**

## Acid Rain Permit Application

1) In  $\mathbb{R}^n$ , let  $\mathcal{B}$  be a basis for  $\mathbb{R}^n$ . Then  $\mathcal{B}$  is a basis for  $\mathbb{R}^n$ .

GTSP 3  
Part 1850  
Standard  
Equipment

**Printed Resolutions**

- (1) The designated representative of each affected source and each affected unit at the source shall:
  - (A) Submit a complete Acid Rain permit application (including a compliance plan) under 40 CFR part 52, in accordance with the deadlines specified in 40 CFR part 52, and;
  - (B) Submit a timely written any supplemental information that the permitting authority determines is necessary to approve an Acid Rain permit application and include of duty an Acid Rain permit;
- (2) The process and operation of each affected source and each affected unit at the source shall:
  - (A) Operate the unit in compliance with a complete Acid Rain permit application or a supplemental Acid Rain permit issued by the permitting authority; and
  - (B) Have an Acid Rain Permit.

### Monitoring Requirements

(1) The owner and operators and, to the extent applicable, designated representatives of each affected unit must each submit a unit if the source still correctly meets the monitoring system requirements specified in 40 CFR part 75.

(2) The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the unit with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.

(3) The requirements of 40 CFR part 75 shall not affect the responsibility of the owners and operators of the unit for either air quality or other emissions characteristics at the unit under other applicable requirements of the Acid and other provisions of the existing permit for the source.

**ಕೃಷಿ, ರಸ್ತೆ, ಸಂಪನ್ಮೂಲ**

[illegible]

### STEP

Identify the drivers by plant name, STATE, and CRIS code

**STEP 2**

Enter the unit loss for every affected unit in the affected source in column "2." For new utility, enter the requested information in columns "3" and "4."

Calderazzo Gregory EUGENE WA 08360 55782

[illegible]

1968 Jan 24 '52w 12-381

GOV. DONALD R. LUTHER

Acid Rain - Page 3

### STEP 3

८-७५६

**Nitrogen Oxides Requirements:** The owner and operators of the source and each affected unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

### **Excess Entirety Requirements**

- (1) The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77.
- (2) The owners and operators of an affected unit that has excess emissions in any calendar year shall:

  - (a) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and
  - (b) Comply with the terms of a position offset plan, as required by 40 CFR part 77.

Recording and Reporting Requirements

(1) Unless otherwise provided, the owners and operators of the source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority.

(2) The certificate of representation for the designated representative for the course and a set of coded unit and all documents that demonstrate the truth of the statements in the certificate of representation, is enclosement with 40 CFR 12.24; provided that the certificate and documents shall be retained on file at the source beyond each 8-year period and such documents are surrendered because of the submission of a new certificate of representation changing the designated representative.

(iv) All emissions monitoring information, in accordance with 40 CFR part 75, provided that to the extent that 40 CFR part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.

(v) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and

(vi) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.

(c) The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR part 72, subpart I and 40 CFR part 75.

11.3.8.14

(1) Any person who knowingly violates a requirement or provision of the Acid Rain Program, a complete Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.

(2) Any person who knowingly makes a false, material statement in any reward submission, or report under the AdS Run Program shall be subject to criminal enforcement pursuant to section 233(c) of the Act and 18 U.S.C. 1001.

(3) No partial revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.

441 pp. \$19.95 pbk. 1994

#### STEP 4

Stand the  
candy on the  
stove top  
over a low  
fire.

Liberty, Georgia

(5) Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the owners and operators of such source and of the affected unit(s) at the source.

(6) Any provision of the Acid Rain Program that applies to an affected unit (including an emission applicable to that designated representative of an affected unit) shall also apply to the designated representative of that unit, whether or not the unit is an affected unit, in the following circumstances: (i) the unit is an affected unit under 40 CFR part 75 (including extension rules) and 40 CFR 75.11 (this paragraph (6) shall not apply with respect to the requirements applicable to units with a common stack under 40 CFR part 78 (including 40 CFR 75.15, 75.17, and 75.18)); (ii) the unit and operators and the designated representative of that unit shall not be liable for any violation by any other unit or operator of any provision of the Acid Rain Program that applies to that unit and that is located at a source of which they are not owners or operators or the designated representative;

(7) Each violation of a provision of 40 CFR parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

### Effect on Other Authorities

No provision of the Acid Rain Program, an Acid Rain permit application, an Acid Rain permit, or an exemption under 10 CFR 72.7 or 72.8 shall be construed as:

(1) Except as expressly provided in title I of the Act, exempting or prohibiting the owners and operators and, to the extent applicable, the designated representatives of an affected source or affected unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating to applicable National Ambient Air Quality Standards or State Implementation Plans;

(2) Unless the number of accommodations a unit can hold is provided, that the number of accommodations held by the unit shall not affect the owner's obligation to comply with any other provisions of the Act;

(3) requiring a change to any law in any state thereby making uniformity rates and charges, affecting any State law (regarding such State regulation, or enforcing such State regulation, including any procedure review requirements under such State law;

(4) modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or

(5) interfering with or lessening any program for competitive bidding for power supply in a State in which such program is established.

**Declaration**

I am authorized to make this submission on behalf of the owner and operators of the affected source or affected units for which the submission is made. I am fully under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information given to the best of my knowledge and belief are accurate, complete, and true. I also certify that there is significant potential for improving the statements and information by obtaining certain required statements and information, including the possibility of self-reporting.

NAME	WAYNE C. HILL	
SIGNATURE	Wayne C. Hill	DATE July 1, 1961

Figure 3. GEC's renewal *Acid Rain Permit Application*, received 7/6/05.







## PUGET SOUND ENERGY

Puget Sound Energy, Inc.  
P.O. Box 97034  
Bellevue, WA 98009-9734

August 14, 2007

Section Manager  
Central Regional Air Quality Section  
Washington State Department of Ecology  
Central Regional Office  
15 W Yakima, Suite 200  
Yakima, WA 98202

Re: Change of Responsible Official/Designated Representative – Goldendale Generating Station

Dear Sir or Madam:

Effective immediately, I have assumed the role of Responsible Official and Designated Representative for the Goldendale Generating Station.

Please update applicable documents, including Notice of Construction No. 01AQCR-2037 and Air Operating Permit and Phase II Acid Rain Permit No. 06AQ-C025 to indicate the following information.

Source Name and Location: Goldendale Generating Station  
600 Industrial Way  
Goldendale, WA 98620

Source Owner: Puget Sound Energy  
Thermal Assets  
PO Box 97034 PSE 09S  
Bellevue, WA 98004-97034

Responsible Official/Designated Representative: L. E. Odom  
Director, Thermal and Wind Assets  
Puget Sound Energy  
PO Box 97034 PSE 09S  
Bellevue, WA 98004-97034  
(425) 462-3144

Please use James Wells as your contact at the site and Ben Farrow as your corporate contact. They can be contacted at (509) 773-1203 or [james.wells@pse.com](mailto:james.wells@pse.com) and (425) 456-2541 or [benjamin.farrow@pse.com](mailto:benjamin.farrow@pse.com), respectively. Please copy Ben and James on all correspondence to Puget Sound Energy.

Enclosed is a copy of the Certificate of Representation submitted to EPA. Also enclosed is a copy of a letter from Jennifer O'Connor, Senior Vice President of Puget Sound Energy, delegating the role of Responsible Official and Designated Representative to me.

If you have any questions, please contact Ben Farrow at (425) 456-2541.

Sincerely,

A handwritten signature in cursive script, appearing to read "L. E. Odom".

L. E. Odom  
Director, Thermal and Wind Assets

Cc: Lynette Haller – Department of Ecology, CRO

US EPA Region 10 Administrator  
1200 Sixth Avenue  
Seattle, WA 98101

Ben Farrow, James Wells – PSE  
File



## Certificate of Representation

Page 1

For more information, see instructions and 40 CFR 72.24; 40 CFR 96.113, 96.213, or 96.313, or a comparable state regulation under the Clean Air Interstate Rule (CAIR) NO<sub>x</sub> Annual, SO<sub>2</sub>, and NO<sub>x</sub> Ozone Season Trading Programs; 40 CFR 97.113, 97.213, or 97.313; or 40 CFR 60.4113, or a comparable state regulation under the Clean Air Mercury Rule (CAMR), as applicable.

### FACILITY (SOURCE) INFORMATION

This submission is: ☐ New ☒ Revised (revised submissions must be complete; see instructions)

STEP 1  
Provide  
information for  
the facility  
(source).

GOLDENDALE GENERATING STATION		WA	55482
Facility (Source) Name		State	Plant Code
Klickitat			
County Name			
45° 48' 41"		-120° 49' 58"	
Latitude		Longitude	

STEP 2  
Enter requested  
information for  
the  
designated  
representative.

L. E. ODOM		DIRECTOR, WIND AND THERMAL ASSETS	
Name		Title	
PUGET SOUND ENERGY			
Company Name			
10885 NE 4 <sup>th</sup> ST. PSE OPS BELLEVUE, WA 98009			
Address			
(425) 462-3144		(425) 462-3223	
Phone Number		Fax Number	
ed.odom@pse.com			
E-mail address			

STEP 3  
Enter requested  
information for  
the  
alternate  
designated  
representative.

Name		Title	
Company Name			
Address			
Phone Number		Fax Number	
E-mail address			

<b>GOLDENDALE GENERATING STATION</b>
Facility (Source) Name (from Step 1)

## UNIT INFORMATION

STEP 4: Complete one page for each unit located at the facility identified in STEP 1 (i.e., for each boiler, simple cycle combustion turbine, or combined cycle combustion turbine). Do not list duct burners. Indicate each program to which the unit is subject, and enter all other unit-specific information, including the name of each owner and operator of the unit and the generator ID number and nameplate capacity of each generator served by the unit. If the unit is subject to a program, then the facility (source) is also subject. (For units subject to the NOx Budget Trading Program, a separate "Account Certificate of Representation" form must be submitted to meet requirements under that program.)

Applicable Program(s): ☒ Acid Rain ☐ CAIR NOx Annual ☐ CAIR SO<sub>2</sub> ☐ CAIR NOx Ozone Season ☐ CAMR (Hg Budget Trading) ☐ CAMR (Nontrading)

CT-1	CC	ELECTRIC UTILITY	Generator ID Number (Maximum 8 characters)	Acid Rain Nameplate Capacity (MWe)	CAIR-CAMR Nameplate Capacity (MWe)
		Source Category	G1	166 MW	
Unit ID#	Unit Type	221112	G2	89.6 MW	
		NAICS Code			
Date unit began (or will begin) serving any generator producing electricity for sale (including test generation) (mm/dd/yyyy): 7/9/2004		Check One: Actual <input checked="" type="checkbox"/> Projected <input type="checkbox"/>			
Company Name: PUGET SOUND ENERGY			<input checked="" type="checkbox"/> Owner <input checked="" type="checkbox"/> Operator		
Company Name:			<input type="checkbox"/> Owner <input type="checkbox"/> Operator		
Company Name:			<input type="checkbox"/> Owner <input type="checkbox"/> Operator		
Company Name:			<input type="checkbox"/> Owner <input type="checkbox"/> Operator		
Company Name:			<input type="checkbox"/> Owner <input type="checkbox"/> Operator		

<b>GOLDENDALE GENERATING STATION</b> Facility (Source) Name (from Step 1)
--

**STEP 5: Read the appropriate certification statements, sign, and date.**Acid Rain Program

I certify that I was selected as the designated representative or alternate designated representative (as applicable) by an agreement binding on the owners and operators of the affected source and each affected unit at the source (i.e., the source and each unit subject to the Acid Rain Program, as indicated in "Applicable Program(s)" in Step 4).

I certify that I have all necessary authority to carry out my duties and responsibilities under the Acid Rain Program on behalf of the owners and operators of the affected source and each affected unit at the source and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the affected source and each affected unit at the source shall be bound by any order issued to me by the Administrator, the permitting authority, or a court regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, an affected unit, or where a utility or industrial customer purchases power from an affected unit under a life-of-the-unit, firm power contractual arrangement, I certify that:

I have given a written notice of my selection as the designated representative or alternate designated representative (as applicable) and of the agreement by which I was selected to each owner and operator of the affected source and each affected unit at the source; and

Allowances, and proceeds of transactions involving allowances, will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement, except that, if such multiple holders have expressly provided for a different distribution of allowances, allowances and proceeds of transactions involving allowances will be deemed to be held or distributed in accordance with the contract.

Clean Air Interstate Rule (CAIR) NO<sub>x</sub> Annual Trading Program

I certify that I was selected as the CAIR designated representative or alternate CAIR designated representative (as applicable), by an agreement binding on the owners and operators of the CAIR NO<sub>x</sub> source and each CAIR NO<sub>x</sub> unit at the source (i.e., the source and each unit subject to the CAIR NO<sub>x</sub> Annual Trading Program, as indicated in "Applicable Program(s)" in Step 4).

I certify that I have all necessary authority to carry out my duties and responsibilities under the CAIR NO<sub>x</sub> Annual Trading Program on behalf of the owners and operators of the CAIR NO<sub>x</sub> source and each CAIR NO<sub>x</sub> unit at the source and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the CAIR NO<sub>x</sub> source and each CAIR NO<sub>x</sub> unit at the source shall be bound by any order issued to me by the Administrator, the permitting authority, or a court regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, a CAIR NO<sub>x</sub> unit, or where a utility or industrial customer purchases power from a CAIR NO<sub>x</sub> unit under a life-of-the-unit, firm power contractual arrangement, I certify that:

I have given a written notice of my selection as the CAIR designated representative or alternate CAIR designated representative (as applicable) and of the agreement by which I was selected to each owner and operator of the CAIR NO<sub>x</sub> source and each CAIR NO<sub>x</sub> unit at the source; and

CAIR NO<sub>x</sub> allowances and proceeds of transactions involving CAIR NO<sub>x</sub> allowances will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement, except that, if such multiple holders have expressly provided for a different distribution of CAIR NO<sub>x</sub> allowances by contract, CAIR NO<sub>x</sub> allowances and proceeds of transactions involving CAIR NO<sub>x</sub> allowances will be deemed to be held or distributed in accordance with the contract.

GOLDENDALE GENERATING STATION
Facility (Source) Name (from Step 1)

Clean Air Interstate Rule (CAIR) SO<sub>2</sub> Trading Program

I certify that I was selected as the CAIR designated representative or alternate CAIR designated representative (as applicable), by an agreement binding on the owners and operators of the CAIR SO<sub>2</sub> source and each CAIR SO<sub>2</sub> unit at the source (i.e., the source and each unit subject to the SO<sub>2</sub> Trading Program, as indicated in "Applicable Program(s)" in Step 4).

I certify that I have all necessary authority to carry out my duties and responsibilities under the CAIR SO<sub>2</sub> Trading Program, on behalf of the owners and operators of the CAIR SO<sub>2</sub> source and each CAIR SO<sub>2</sub> unit at the source and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the CAIR SO<sub>2</sub> source and each CAIR SO<sub>2</sub> unit at the source shall be bound by any order issued to me by the Administrator, the permitting authority, or a court regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, a CAIR SO<sub>2</sub> unit, or where a utility or industrial customer purchases power from a CAIR SO<sub>2</sub> unit under a life-of-the-unit, firm power contractual arrangement, I certify that:

I have given a written notice of my selection as the CAIR designated representative or alternate CAIR designated representative (as applicable) and of the agreement by which I was selected to each owner and operator of the CAIR SO<sub>2</sub> source and each CAIR SO<sub>2</sub> unit at the source; and

CAIR SO<sub>2</sub> allowances and proceeds of transactions involving CAIR SO<sub>2</sub> allowances will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement, except that, if such multiple holders have expressly provided for a different distribution of CAIR SO<sub>2</sub> allowances by contract, CAIR SO<sub>2</sub> allowances and proceeds of transactions involving CAIR SO<sub>2</sub> allowances will be deemed to be held or distributed in accordance with the contract.

Clean Air Interstate Rule (CAIR) NO<sub>x</sub> Ozone Season Trading Program

I certify that I was selected as the CAIR designated representative or alternate CAIR designated representative (as applicable), by an agreement binding on the owners and operators of the CAIR NO<sub>x</sub> Ozone Season source and each CAIR NO<sub>x</sub> Ozone Season unit at the source (i.e., the source and each unit subject to the CAIR NO<sub>x</sub> Ozone Season Trading Program, as indicated in "Applicable Program(s)" in Step 4).

I certify that I have all necessary authority to carry out my duties and responsibilities under the CAIR NO<sub>x</sub> Ozone Season Trading Program on behalf of the owners and operators of the CAIR NO<sub>x</sub> Ozone Season source and each CAIR NO<sub>x</sub> Ozone Season unit at the source and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the CAIR NO<sub>x</sub> Ozone Season source and each CAIR NO<sub>x</sub> Ozone Season unit shall be bound by any order issued to me by the Administrator, the permitting authority, or a court regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, a CAIR NO<sub>x</sub> Ozone Season unit, or where a utility or industrial customer purchases power from a CAIR NO<sub>x</sub> Ozone Season unit under a life-of-the-unit, firm power contractual arrangement, I certify that:

I have given a written notice of my selection as the CAIR designated representative or alternate CAIR designated representative (as applicable) and of the agreement by which I was selected to each owner and operator of the CAIR NO<sub>x</sub> Ozone Season source and each CAIR NO<sub>x</sub> Ozone Season unit; and

CAIR NO<sub>x</sub> Ozone Season allowances and proceeds of transactions involving CAIR NO<sub>x</sub> Ozone Season allowances will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement, except that, if such multiple holders have expressly provided for a different distribution of CAIR NO<sub>x</sub> Ozone Season allowances by contract, CAIR NO<sub>x</sub> Ozone Season allowances and proceeds of transactions involving CAIR NO<sub>x</sub> Ozone Season allowances will be deemed to be held or distributed in accordance with the contract.

GOLDENDALE GENERATING STATION
Facility (Source) Name (from Step 1)

Clean Air Mercury Rule (CAMR) Hg Budget Trading Program

I certify that I was selected as the Hg designated representative or alternate Hg designated representative, as applicable, by an agreement binding on the owners and operators of the source and each Hg Budget unit at the source (i.e., the source and each unit subject to the CAMR Hg Budget Trading Program, as indicated in "Applicable Program(s)" in Step 4).

I certify that I have all the necessary authority to carry out my duties and responsibilities under the Hg Budget Trading Program on behalf of the owners and operators of the source and of each Hg Budget unit at the source and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the source and of each Hg Budget unit at the source shall be bound by any order issued to me by the Administrator, the permitting authority, or a court regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, a Hg Budget unit, or where a utility or industrial customer purchases power from a Hg Budget unit under a life-of-the-unit, firm power contractual arrangement, I certify that:

I have given a written notice of my selection as the Hg designated representative or alternate Hg designated representative, as applicable, and of the agreement by which I was selected to each owner and operator of the source and of each Hg Budget unit at the source; and

Hg allowances and proceeds of transactions involving Hg allowances will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement, except that, if such multiple holders have expressly provided for a different distribution of Hg allowances by contract, Hg allowances and proceeds of transactions involving Hg allowances will be deemed to be held or distributed in accordance with the contract.

Clean Air Mercury Rule (CAMR) Program Other Than the Hg Budget Trading Program

I certify that I was selected as the Hg designated representative or alternate Hg designated representative, as applicable, by an agreement binding on the owners and operators of the source and each electric generating unit (EGU) (as defined at 40 CFR 60.24(h)(8)) at the source (i.e., the source and each unit subject to a CAMR Program other than the Hg Budget Trading Program, as indicated in "Applicable Program(s)" in Step 4).

I certify that I have all the necessary authority to carry out my duties and responsibilities under a State Plan approved by the Administrator as meeting the requirements of 40 CFR 60.24(h) on behalf of the owners and operators of the source and of each EGU at the source and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the source and of each EGU at the source shall be bound by any order issued to me by the Administrator, the permitting authority, or a court regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, an EGU, or where a utility or industrial customer purchases power from an EGU under a life-of-the-unit, firm power contractual arrangement, I certify that I have given a written notice of my selection as the Hg designated representative or alternate Hg designated representative, as applicable, and of the agreement by which I was selected to each owner and operator of the source and of each EGU at the source.



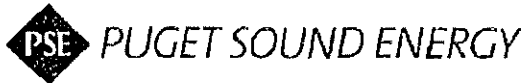
GOLDENDALE GENERATING STATION Facility (Source) Name (from Step 1)
--

Certificate of Representation - Page 6

General

I am authorized to make this submission on behalf of the owners and operators of the source or units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

<i>L. E. Olson</i> Signature (Designated Representative)	8/17/07 Date
Signature (Alternate Designated Representative)	Date



Puget Sound Energy, Inc.  
P.O. Box 97034  
Bellevue, WA 98009-9734

August 14, 2007

Re: Delegation of Authority – L. E. Odom

To Whom It May Concern:

Effective immediately, I delegate the roles of Responsible Official, Designated Representative, and Authorized Representative for all environmental permitting and reporting at Puget Sound Energy's combustion turbine generating facilities to Louis Edward Odom (L.E. Odom). He has authority over daily operations and environmental matters at these facilities, which are:

- Whitehorn Generating Station
- Encogen Generating Station
- Fredonia Generating Station
- Frederickson Generating Station
- Goldendale Generating Station
- Crystal Mountain Generating Station

If you have any questions, please contact Ben Farrow at (425) 456-2541.

Sincerely,

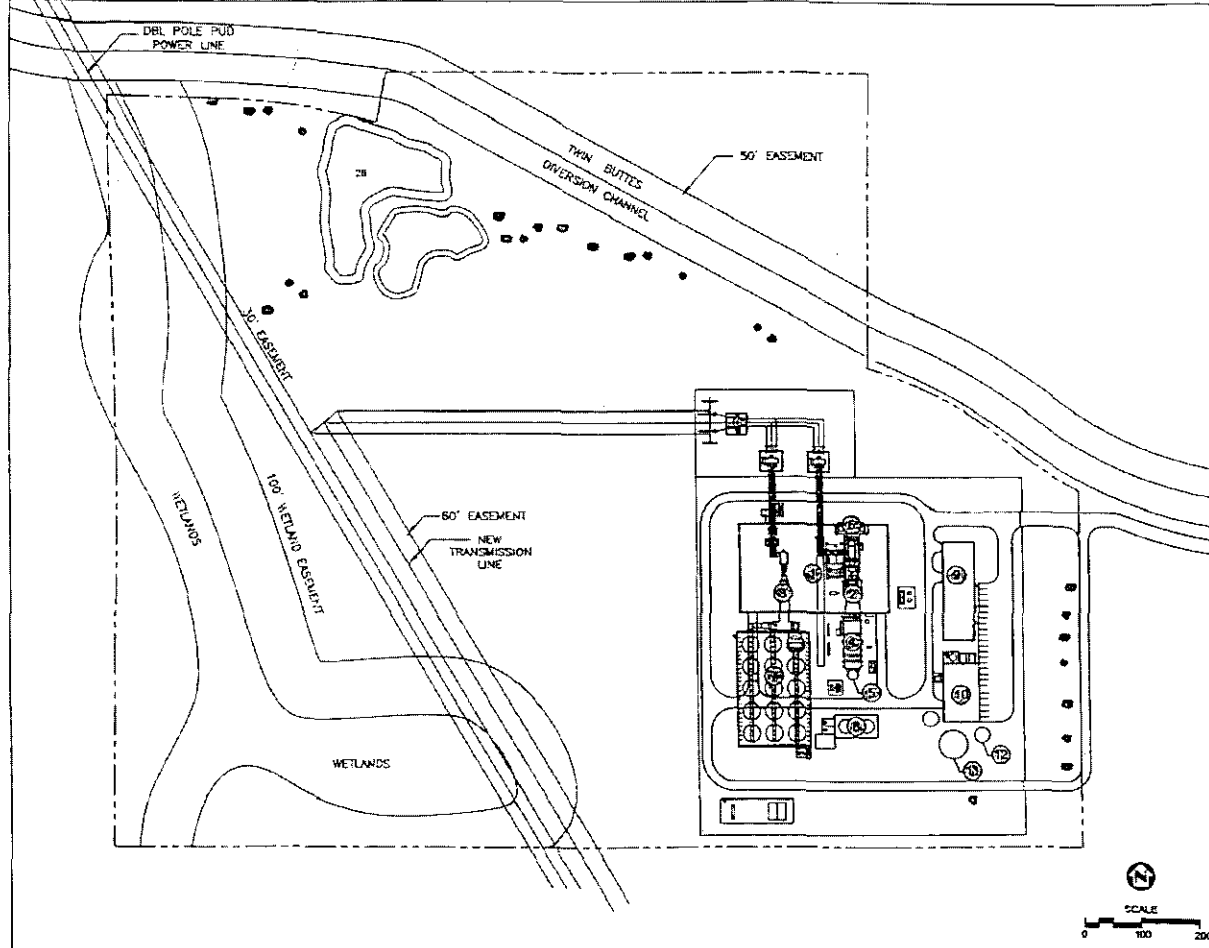
A handwritten signature in black ink that reads "Jennifer L. O'Connor". The signature is fluid and cursive, with the first name "Jennifer" being the most prominent.

Jennifer L. O'Connor  
Senior Vice President, General Counsel, Corporate Secretary, and Chief Ethics and Compliance Officer

Cc: L. E. Odom, Charles Morton - PSE  
File

**Appendix C:**  
**Site Plan and Process Flow Diagram**

08/11/20 BY: KMW



STRUCTURES (ELEVATION IN FEET):

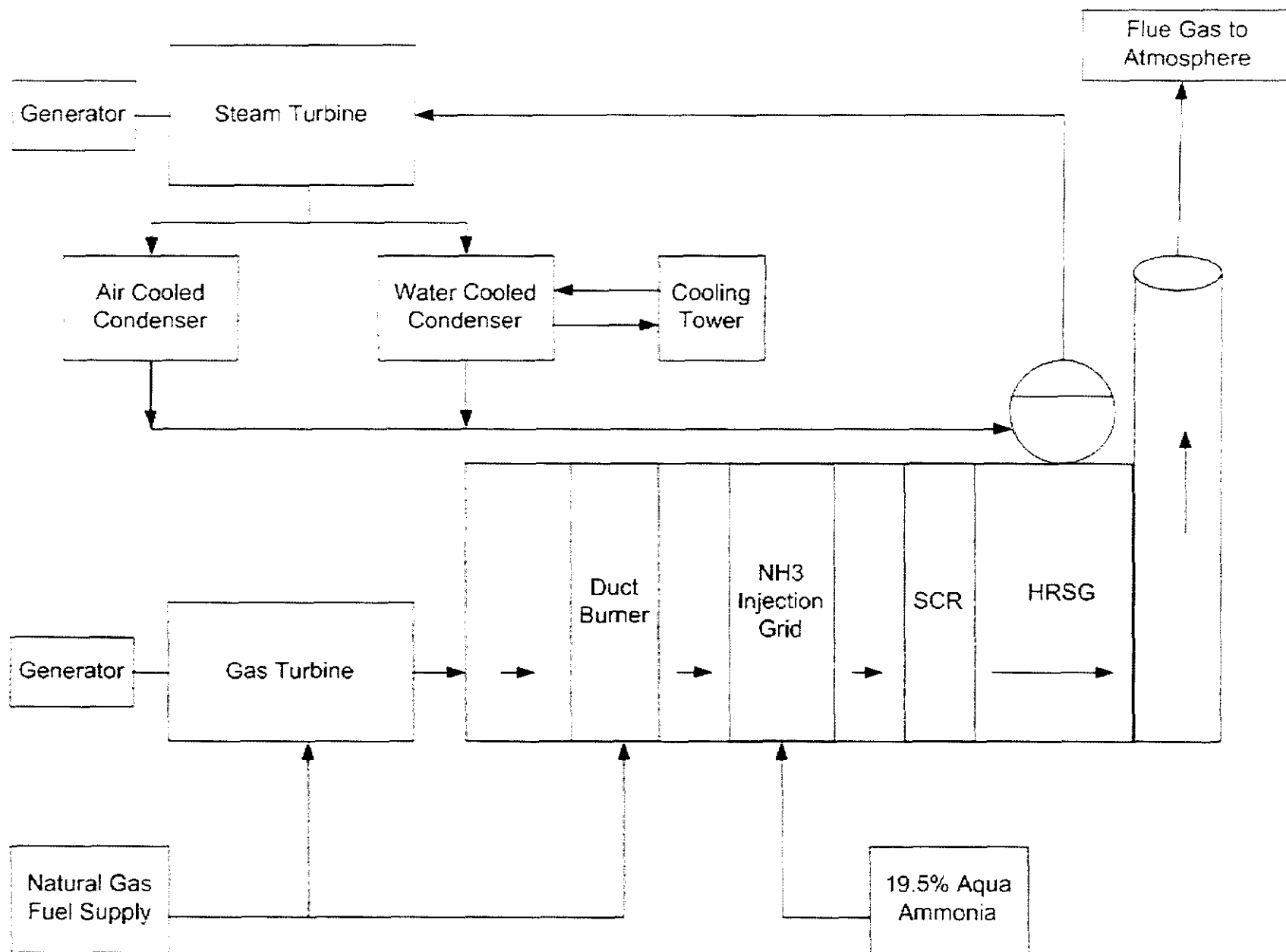
1. TURBINE/GENERATOR BUILDING (70')
2. GAS COMBUSTION TURBINE
3. STEAM TURBINE
4. HRSG (75')
5. STACK (150')
6. AIR INLET FILTER
7. AIR COOL CONDENSERS (79')
8. COOLING TOWER (28')
9. ADMINISTRATION/MAINTENANCE BUILDING (20')
10. PUMP HOUSE/WATER TREATMENT BUILDING (20')
11. SERVICE/FIRE WATER TANK (32')
12. DEMIN WATER STORAGE TANK (16')

SOURCE:

NATIONAL ENERGY  
PRODUCTION CORPORATION  
DWG NO. E0294 GAD01

GOLDENDALE ENERGY INC.  
COMBINED-CYCLE POWER FACILITY

PROJECT: 9471-2 DATE: AUGUST 11, 2000  
REV: BY: KMW CHECKED: PM  
MFG, Inc.  
consulting architects and engineers



Goldendale Energy Center Process Flow

# *Exhibit 2*

Draft Third Revision:

Puget Sound Energy - Goldendale Generating Station, Title V Operating Permit  
(Number 06AQ-C025 Third Revision)



**WASHINGTON STATE DEPARTMENT OF ECOLOGY  
CENTRAL REGIONAL OFFICE  
15 W YAKIMA, SUITE 200  
YAKIMA, WASHINGTON 98902**

IN THE MATTER OF THE COMPLIANCE BY	)	AIR OPERATING PERMIT &
GOLDENDALE GENERATING STATION.	)	PHASE II ACID RAIN PERMIT
with Section 70.94.161 RCW, Operating Permits for	)	No. 06AQ-C025 Third Revision
Air Contaminant Sources, and the applicable rules and	)	
regulations of the Department of Ecology	)	<b>DRAFT PERMIT</b>

To: Goldendale Generating Station  
600 Industrial Way  
Goldendale, WA 98620

Issuance Date: DRAFT  
Effective Date: DRAFT  
Expiration Date: January 4, 2012

**Responsible Officials & Acid Rain Program Designated Representatives:**

L.E. Odom, Director, Thermal and Wind Assets, Puget Sound Energy  
Gerald Klug, Plant Manager, Goldendale Generating Station, Puget Sound Energy

**Source Location:** This Permit applies to Goldendale Generating Station, located at 600 Industrial Way, in Goldendale, Washington.

**Acid Rain Program Affected Source:** Goldendale Generating Station is an Acid Rain Program affected source identified as ORIS Code 55482. For purposes of the Acid Rain Program, the natural gas fired combustion engine and the auxiliary Duct Burner are one affected unit. The affected unit commenced operation on **July 10, 2004**. The affected unit commenced commercial operation on **August 9, 2004**. The deadline for monitor certification was **November 8, 2004**.

**Legal Authority:** This AIR OPERATING PERMIT is issued under the authority and provisions of the Federal Clean Air Act, (42 U.S.C. 7401, et seq.), the Washington Clean Air Act, Chapter 70.94 Revised Code of Washington and the Operating Permit Regulation, Chapter 173-401 Washington Administrative Code.

The ACID RAIN PROGRAM portion of this permit is issued under the authority and provisions of the Federal Clean Air Act, (42 U.S.C. 7401, et seq.), and the Washington Clean Air Act; chapter 70.94, Revised Code of Washington, and chapter 173-406 Washington Administrative Code, Acid Rain Regulation.

Hereinafter, Goldendale Generating Station is called the permittee. The permittee, and designated representatives are required to comply with the provisions contained within this permit.

The original permit was dated at Yakima, Washington on the 5<sup>th</sup> day of January, 2007. An administrative amendment, per WAC 173-401-720, to update the responsible official/designated representative, was dated at Yakima, Washington on the 23<sup>rd</sup> day of October, 2007. An administrative amendment, per WAC 173-401-720, to update the load allowed under condition 5.2.7, was dated at Yakima, Washington, on the 23<sup>rd</sup> day of December, 2008. This significant modification, per WAC 173-401-725(4), to incorporate an increase in the ammonia emission limit in conditions 5.4.7, 5.41.5, and 5.4.b.5, is dated at Yakima, Washington, on the [day] day of [month], 2011.

REVIEWED BY: \_\_\_\_\_  
Lynnette A. Haller, PE  
Central Regional Air Quality Section  
Department of Ecology  
State of Washington

APPROVED BY: \_\_\_\_\_  
Susan M. Billings  
Section Manager  
Central Regional Air Quality Section  
Department of Ecology  
State of Washington



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## LIST OF ABBREVIATIONS

ASTM	American Society for Testing and Materials
ATS	allowance tracking system
Btu	British Thermal Units
°C	Degrees Celsius
CAAA	Clean Air Act Amendments
CEMS	continuous emission monitoring system
Cfm	cubic feet per minute
CFR	Code of Federal Regulations
CO	Carbon Monoxide
CO <sub>2</sub>	carbon dioxide
dscf	Dry Standard Cubic Foot
dscfm	Dry Standard Cubic Foot per minute
Ecology	Washington State Department of Ecology
EPA	United States Environmental Protection Agency
°F	Degrees Fahrenheit
FCAA	Federal Clean Air Act
FDCP	Fugitive Dust Control Plan
ft <sup>3</sup>	Cubic foot
gr/dscf	Grain per dry standard cubic foot
HCl	Hydrogen Chloride
hr	Hour
H <sub>2</sub> S	Hydrogen Sulfide
HRSG	Heat recovery steam generator
IFF	independent power production facility
Kwh	kilowatt hour
lb	Pound
LFG	Landfill Gas
m <sup>3</sup>	Cubic Meters
mg	megagram
MMBtu	Million Btu
M <sub>NMOC</sub>	Total NMOC emission rate from the landfill
MSW	Municipal Solid Waste
MVAC	Motor Vehicle Air Conditioner
MWe	megawatt electrical
MWge	gross megawatt electrical
N <sub>2</sub>	Nitrogen
NADB	national allowance data base
NESHAP	National Emission Standard for Hazardous Air Pollutants
NH <sub>3</sub>	Ammonia
NIST	National Institute of Standards and Technology
NMOC	Non-Methane Organic Compound
NO	nitrogen oxide
NOC	Notice of Construction
NO <sub>x</sub>	Oxides of Nitrogen
NSPS	New Source Performance Standard
O <sub>2</sub>	Oxygen
O&M	Operation & Maintenance
PAH	Poly aromatic hydrocarbons
PCBs	Polychlorinated Biphenols
PE	Professional Engineer
PM	Particulate Matter
PM <sub>2.5</sub>	Particulate Matter with aerodynamic diameter ≤ 2.5 micrometers
PM <sub>10</sub>	Particulate Matter with aerodynamic diameter ≤ 10 micrometers
Ppm	parts per million
ppm <sub>v</sub>	Parts per million by volume
ppm <sub>vd</sub>	Parts per million by dry volume
PSD	Prevention of Significant Deterioration

---

Q	Flow
QF	qualifying facility
RACT	Reasonably Available Control Technology
RATA	relative accuracy test audit
RCW	Revised Code of Washington
RM	Reference Method
scfm	Standard Cubic Feet per Minute
SCR	Selective catalytic reduction
SIP	State Implementation Plan
SO <sub>2</sub>	Sulfur Dioxide
SO <sub>x</sub>	Oxides of Sulfur
Std	at standard conditions
T	Temperature
TAP	Toxic Air Pollutant
TPD	Tons Per Day
TPY	Tons Per Year
TSP	Total Suspended Particulate
USC	United States Code
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound
WAC	Washington Administrative Code
w%	Percentage by Weight
yr	Year

## **AIR OPERATING PERMIT CONDITIONS**

### **1.0 PERMIT PROVISOS**

- 1.1 Permit shield.
  - 1.1.1 Compliance with the conditions of this permit shall be deemed compliance with those applicable requirements that are specifically included in and identified in the permit as of the date of permit issuance. [WAC 173-401-640(1), 9/16/02]
  - 1.1.2 The permit shield shall not apply to any insignificant emissions unit or activity designated under WAC 173-401-530. [WAC 173-401-530, 9/16/02]
- 1.2 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), 9/16/02; RCW 70.94.905, 2005 (S)]
- 1.3 Property rights. This permit does not convey any property rights of any sort, or any exclusive privilege. [WAC 173-401-620(2)(d), 9/16/02]
- 1.4 Transfer of ownership or operation. A change in ownership or operational control of this source is treated as an administrative permit amendment if no other change in this permit is necessary and provided that a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new permittee has been submitted to Ecology. [WAC 173-401-720(1)(d), 9/16/02]
- 1.5 Emissions trading. No permit revision shall be required, under any approved economic incentives, marketable permits, emission trading, and other similar programs or processes for changes that are provided for in this permit. [WAC 173-401-620(2)(g), 9/16/02]
- 1.6 Enforceability. All terms and conditions of the permit are enforceable by the EPA and citizens unless specifically designated as state (S) enforceable. [WAC 173-401-625, 9/16/02]
- 1.7 General obligation.

Exclusions. Nothing in this permit shall alter or affect the following:

  - 1.7.1 The provisions of section 303 of the FCAA (emergency orders), including the authority of the administrator under that section;
  - 1.7.2 The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
  - 1.7.3 The applicable requirements of the acid rain program, consistent with section 408(a) of the FCAA;
  - 1.7.4 The ability of EPA to obtain information from a source pursuant to section 114 of the FCAA; or
  - 1.7.5 The ability of Ecology to establish or revise requirements for the use of RACT as provided in Chapter 252, Laws of 1993.

[WAC 173-401-640(4), 9/16/02]
- 1.8 Reasonably Available Control Technology. Emission standards and other requirements contained in rules or regulatory orders in effect at the time of operating permit issuance or renewal shall be considered RACT for purpose of permit issuance or renewal. This does not preclude RACT determinations under Section 8, Chapter 252, Laws of 1993, which shall be incorporated into an operating permit as provided in WAC 173-401-605(3)l, 9/16/02; RCW 70.94.154, 2005 (S)]
- 1.9 Need to halt or reduce activity not a defense. It shall not be a defense for a 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), 9/16/02; ~~NOC No. 01AQCR-2037 Second Revision, 4/13/05; Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Condition 3.9.6]~~
- 1.10 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), 9/16/02]
- 1.11 Permit continuation. This permit and all terms and conditions contained therein, including any permit shield provided under WAC 173-401-640, shall not expire until the renewal permit has been issued or denied if a timely and complete renewal 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 renewal application has been submitted. [WAC 173-401-620(2)(j), 9/16/02]

- 1.12 Permit appeals. You have the right to appeal this Permit to the Pollution Control Hearings Board. Pursuant to chapter 43.21B RCW, your appeal must be filed with the Pollution Control Hearings Board, and served on the Department of Ecology, within thirty (30) days of the date of your receipt of this document.

To appeal this action or decision, your notice of appeal must contain a copy of the Ecology order, action or decision you are appealing.

Your appeal must be filed with:

The Pollution Control Hearings Board  
4224 - 6th Avenue SE, Rowe Six, Bldg. 2  
P.O. Box 40903  
Lacey, Washington 98504-0903

Your appeal must also be served on:

The Department of Ecology  
Appeals Coordinator  
P.O. Box 47608  
Olympia, Washington 98504-7608

In addition, please send a copy of your appeal to:

Susan M. Billings  
Department of Ecology  
15 West Yakima Avenue, Suite 200  
Yakima, Washington 98902

*For additional information: Environmental Hearings Office Website: <http://www.eho.wa.gov>*

This provision for appeal in this section is separate from and additional to any federal rights to petition and review under section 505(b) of the FCAA. [WAC 173-401-620(2)(i), 9/16/02; RCW 70.94.221, 2005 (S)]

## 2.0 PERMIT ADMINISTRATION

- 2.1 Duty to comply. The permittee must comply with all conditions of this WAC 173-401 permit. Any permit noncompliance constitutes a violation of Chapter 70.94 RCW and, for federally enforceable provisions, a violation of the FCAA. 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), 9/16/02]
- 2.2 Inspection and entry.  
Upon presentation of credentials and other documents as may be required by law, the permittee shall allow Ecology, or an authorized representative to perform the following:
- 2.2.1 Enter upon the permittee's premises where a Chapter 173-401 WAC source is located or emissions-related activity is conducted, or where records must be kept under the conditions of this permit;
  - 2.2.2 Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
  - 2.2.3 Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
  - 2.2.4 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 this permit or other applicable requirements.
- [WAC 173-401-630(2), 9/16/02; RCW 70.94.200, 2005 (S); ~~NOC No. 01AQCR-2037 Second Revision: 1-13-05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Condition 3.9.4]~~
- 2.2.4.1 Ecology may require the permittee to conduct stack and/or ambient air monitoring and report the results to Ecology. [WAC 173-400-105(2), 8/20/93, 1/10/05 (S)]
  - 2.2.4.2 Ecology may conduct or require that a test be conducted using approved EPA methods from 40 CFR 60 Appendix A or approved procedures contained in "Source Test Manual - Procedures for Compliance Testing," Ecology, 7/12/90. The permittee may be required to provide platform and sampling ports. Ecology shall be allowed to obtain a sample from any emissions unit. The



- permittee shall be given the opportunity to observe the sampling and to obtain a sample at the same time. [WAC 173-400-105(4), 8/20/93, 1/10/05 (S)]
- 2.2.5 Ecology may conduct source tests and require access to records, books, files, and other information specific to the control, recovery, or release of pollutants regulated under 40 CFR Part 61. [WAC 173-400-075(2), 1/10/05 (S)]
- 2.2.6 No person shall obstruct, hamper, or interfere with any such authorized representative while in the process of carrying out his official duties. [RCW 70.94.200, 2005 (S)]
- 2.3 Permit fees. The permittee shall pay fees as a condition of this permit in accordance with Ecology'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. Ecology may revoke this permit if the permit fees are not paid per WAC 173-401-930(3). [WAC 173-401-620(2)(f), 9/16/02; RCW 70.94.162(1), 2005; WAC 173-401-930(3), 9/16/02]
- 2.4 Duty to provide information. The permittee shall furnish to Ecology, within a reasonable time, any information that Ecology 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 Ecology copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality. Permitting authorities shall maintain confidentiality of such information in accordance with RCW 70.94.205. [WAC 173-401-620(2)(e), 9/16/02]
- 2.5 Recordkeeping.
- 2.5.1 Permittee shall keep records of required monitoring information that includes, where applicable, the following:
- 2.5.1.1 The date, place, and time of sampling or measurements;
- 2.5.1.2 The date(s) analyses were performed;
- 2.5.1.3 The company or entity that performed the analyses;
- 2.5.1.4 The analytical techniques or methods used;
- 2.5.1.5 The results of such analyses; and
- 2.5.1.6 The operating conditions as existing at the time of sampling or measurement. [WAC 173-401-615(2)(a), 9/16/02]
- 2.5.2 Permittee shall keep records describing 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]
- 2.5.3 Permittee shall retain records of all required monitoring data and support information for a period of at least five (5) 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 from continuous monitoring instrumentation, and copies of all reports required by this permit. [WAC 173-401-615(2)(c), 9/16/02; ~~NOC No. 01AQCR-2037 Second Revision, 1/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Condition 3.7.12]~~
- 2.6 Reporting.
- 2.6.1 Permittee shall submit reports of any required monitoring (i.e., Monitoring Recordkeeping and Reporting column of section 5) at least once every six (6) months. At a minimum, reports for January 1<sup>st</sup> through June 30<sup>th</sup> and July 1<sup>st</sup> through December 31<sup>st</sup>, shall be due **September 1<sup>st</sup>** and **March 1<sup>st</sup>**, respectively. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by a responsible official consistent with WAC 173-401-520. [WAC 173-401-615(3)(a), 9/16/02]
- 2.6.2 Permittee shall report deviations from permit requirements, including those attributable to upset conditions, the probable cause of such deviations, and any corrective actions or preventative measures taken. Such deviations shall be reported '**promptly**'. For deviations which represent a potential threat to human health or safety, '**promptly**' means as soon as possible, but in no case later than twelve (12) hours after the deviation is discovered. The source shall maintain a contemporaneous record of all deviations. Other deviations shall be reported no later than **thirty (30) days** after the end of the month during which the deviation is discovered. Copies of reports shall be sent to Ecology at:
- Section Manager  
Central Regional Air Quality Section  
Department of Ecology  
15 West Yakima Avenue, Suite 200

Yakima, Washington 98902  
[WAC 173-401-615(3)(b), 9/16/02]

2.7 Excess emissions.

2.7.1 Excess emissions due to emergency. The permittee may seek to establish that noncompliance with a technology-based emission limitation under this permit was due to an emergency. To do so, the permittee shall demonstrate the affirmative defense of emergency through properly signed, contemporaneous operating logs, or other relevant evidence that:

2.7.1.1 An emergency occurred and that the permittee can identify the cause(s) of the emergency;

2.7.1.2 The permitted source was at the time being properly operated;

2.7.1.3 During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards, or other requirements in this permit; and

2.7.1.4 The permittee submitted notice of the emergency to Ecology within **two (2) working days** of the time when emission limitations were exceeded due to the emergency or shorter periods of time specified in an applicable requirement. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

[WAC 173-401-645, 9/16/02]

2.7.2 Unavoidable excess emissions. Excess emissions determined to be unavoidable under the procedures and criteria in WAC 173-400-107 shall be excused and not subject to penalty.

2.7.2.1 The permittee shall have the burden of proving to Ecology that excess emissions were unavoidable. This demonstration shall be a condition to obtaining relief under 2.7.2.2, 2.7.2.3, or 2.7.2.4.

2.7.2.2 Excess emission due to startup or shutdown conditions shall be considered unavoidable provided the source reports as required under WAC 173-400-107(3) and adequately demonstrates that the excess emissions could not have been prevented through careful planning and design and if a bypass of control equipment occurs, that such bypass is necessary to prevent loss of life, personal injury, or severe property damage.

2.7.2.3 Excess emission due to scheduled maintenance shall be considered unavoidable if the source reports as required under WAC 173-400-107(3) and adequately demonstrates that the excess emissions could not have been avoided through reasonable design, better scheduling for maintenance or through better operation and maintenance practices.

2.7.2.4 Excess emissions due to upsets shall be considered unavoidable provided the source reports as required under WAC 173-400-107(3) and adequately demonstrates that:

2.7.2.4.1 The event was not caused by poor or inadequate design, operation, maintenance, or any other reasonably preventable condition;

2.7.2.4.2 The event was not of a recurring pattern indicative of inadequate design, operation, or maintenance; and

2.7.2.4.3 The operator took immediate and appropriate corrective action in a manner consistent with good air pollution control practice for minimizing emissions during the event, taking into account the total emissions impact of the corrective action, including slowing or shutting down the emission unit as necessary to minimize emissions, when the operator knew or should have known that an emission standard or permit condition was being exceeded.

2.7.2.5 Required reporting. Excess emissions which represent a potential threat to human health or safety or which the owner or operator of the source believes to be unavoidable shall be reported to Ecology **as soon as possible**. Other excess emissions shall be reported within **thirty (30) days** after the end of the month during which the event occurred or as part of the routine emission monitoring reports. Upon request by Ecology, the permittee shall submit a full written report including the known causes, the corrective actions taken, and the preventative measures to be taken to minimize or eliminate the chance of recurrence.

[WAC 173-400-107(3), 8/20/93, 1/10/05 (S)]

2.8 Submittals.

2.8.1 Reports, test data, monitoring data, and notifications, required by this permit, and requests for permit renewal shall be submitted to Ecology at:

Section Manager  
Central Regional Air Quality Section  
Department of Ecology  
15 West Yakima Avenue, Suite 200



Yakima, Washington 98902  
[WAC 173-401-520, 9/16/02]

- 2.8.2 Any application form, report, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. All certifications shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. [WAC 173-401-520, 9/16/02]
- 2.8.3 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 renewal application was submitted but prior to release of a draft permit. [WAC 173-401-500(6), 9/16/02]
- 2.9 Emission inventory. Permittee shall submit an inventory of emissions from the source for each calendar year. The inventory shall include segmented stack and fugitive emissions of TSP, PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>x</sub>, CO, NO<sub>x</sub>, VOC, lead, and ammonia. The inventory shall be submitted for each calendar year, no later than **April 15<sup>th</sup>** of the following year.

Additionally, the inventory for calendar years 2008 and 2011, shall specify inventory year, inventory start date, inventory end date, inventory type, state FIPS code, county FIPS code, facility ID code, point ID code, process ID code, stack ID code, site name, physical address, SCC or PCC, fuel heat content (annual average), fuel ash content (annual average), fuel sulfur content (annual average), pollutant code, annual throughput, daily throughput, work weekday emissions, annual emissions, emission factor, winter throughput (%), spring throughput (%), summer throughput (%), fall throughput (%), hr/day in operation, start time (hour), day/wk in operation, wk/yr in operation, stack latitude, stack longitude, stack height, stack diameter, exit gas temperature, exit gas velocity, exit gas flow rate, SIC/NAICS, design capacity, maximum nameplate capacity, primary control efficiency (%), secondary control efficiency (%), control device type, and rule effectiveness (%), as defined in 40 Code of Federal Regulations Part 51 Subpart A Appendix A, 7/1/03.

The source shall maintain records of information necessary to substantiate any reported emissions, consistent with the averaging times for the applicable standards. Emission inventories shall be sent to Ecology at:

Section Manager  
Central Regional Air Quality Section  
Department of Ecology  
15 West Yakima Avenue, Suite 200  
Yakima, Washington 98902

[WAC 173-400-105(1), 8/20/93, 1/10/05 (S)]

- 2.10 Permit renewal and expiration. This permit is issued for a fixed term of five (5) years. The permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted. A renewal application is due **July 4, 2010**. A complete renewal application is due no later than **January 4, 2011**. Upon receipt of a complete and timely application for renewal, this source may continue to operate subject to final action by Ecology on the renewal 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 Ecology, any additional information identified as being needed to process the application. The application for renewal shall include the current permit number, the appropriate renewal fee, description of permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term and shall provide a compliance schedule therefor. The application shall be sent to:

Section Manager  
Central Regional Air Quality Section  
Department of Ecology  
15 West Yakima Avenue, Suite 200  
Yakima, Washington 98902

[WAC 173-401-610, 9/16/02; WAC 173-401-710, 9/16/02]

- 2.11 Off-permit changes.
- 2.11.1 The source shall be allowed to make changes not specifically addressed or prohibited by the permit terms and conditions without requiring a permit revision, provided that the proposed changes do not weaken the enforceability of the existing permit conditions. Any change that is a Title I modification or is a change subject to the acid rain requirements under Title IV of the FCAA must be submitted as a permit revision.

- 2.11.2 Each such change shall meet all applicable requirements and shall not violate any existing permit term or condition.
- 2.11.3 Sources must provide contemporaneous written notice to Ecology and EPA of each such change. Notification shall be submitted to Ecology at:
  - Section Manager
  - Central Regional Air Quality Section
  - Department of Ecology
  - 15 West Yakima Avenue, Suite 200
  - Yakima, Washington 98902and EPA Region 10 at:
  - U.S. EPA Region 10 Administrator
  - 1200 Sixth Avenue
  - Seattle, Washington 98101Such written notice shall describe each such change, including the date, any change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change.
- 2.11.4 The change shall not qualify for the permit shield under WAC 173-401-640.
- 2.11.5 The permittee shall keep a record describing 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.
- 2.11.6 A source making a change under this section shall comply with applicable preconstruction review requirements established pursuant to RCW 70.94.152.  
[WAC 173-401-724, 9/16/02]
- 2.12 Changes not requiring permit revisions.
  - 2.12.1 Permittee is authorized to make the changes described in this section without a permit revision, providing the following conditions are met:
    - 2.12.1.1 The proposed changes are not Title I modifications;
    - 2.12.1.2 The proposed changes do not result in emissions which exceed those allowable under the permit, whether expressed as a rate of emissions, or in total emissions;
    - 2.12.1.3 The proposed changes do not alter permit terms that are necessary to enforce limitations on emissions from units covered by the permit; and
    - 2.12.1.4 The source provides the administrator and Ecology with written notification at least seven (7) days prior to making the proposed changes except that written notification of a change made in response to an emergency shall be provided as soon as possible after the event.  
Notification shall be submitted to Ecology at:
      - Section Manager
      - Central Regional Air Quality Section
      - Department of Ecology
      - 15 West Yakima Avenue, Suite 200
      - Yakima, Washington 98902and EPA Region 10 at:
      - U.S. EPA Region 10 Administrator
      - 1200 Sixth Avenue
      - Seattle, Washington 98101The permittee and Ecology shall attach each notice to their copy of the relevant permit.
  - 2.12.2 Pursuant to conditions in 2.12.1, a Chapter 173-401 WAC source is authorized to make section 502(b)(10) changes without a permit revision.
    - 2.12.2.1 For each such change, the written notification required under 2.12.1.4 shall include a brief description of the change within the permitted source, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.
    - 2.12.2.2 The permit shield authorized under WAC 173-401-640 shall not apply to any change made pursuant to this paragraph.
  - 2.12.3 Pursuant to the conditions in 2.12.1, a Chapter 173-401 WAC source is authorized to trade increases and decreases in emissions in the permitted source, where the Washington SIP provides for such emissions trades without requiring a permit revision. This provision is available in those cases where the permit does not already provide for such emissions trading.
    - 2.12.3.2 Written notification required under 2.12.1.4 shall include such information as may be required by the provision in the Washington SIP authorizing the emissions trade, including at a minimum,

when the proposed change will occur, a description of each such change, any change in emissions, the permit requirements with which the source will comply using the emissions trading provisions of the Washington SIP, and the pollutants emitted subject to the emissions trade. The notice shall also refer to the provisions with which the source will comply in the applicable implementation plan and that provide for the emissions trade.

2.12.3.2 The permit shield described in WAC 173-401-640 shall not extend to any change made under this paragraph. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the applicable SIP authorizing the emissions trade.

2.12.4 Upon the request of the permittee, Ecology shall issue permits that contain terms and conditions, including all terms required under WAC 173-401-600 through 173-401-630 to determine compliance, allowing for the trading of emissions increases and decreases in the WAC 173-401 source solely for the purpose of complying with a federally enforceable emissions cap that is established in the permit independent of otherwise applicable requirements. The permittee shall include in its application proposed replicable procedures and permit terms that ensure the emissions trades are quantifiable and enforceable. The emissions trading provisions shall not be applied to any emissions units for which emissions are not quantifiable or for which there are no replicable procedures to enforce the emissions trades.

2.12.4.1 Under this paragraph, the written notification required under 2.12.1.4, shall state when the change will occur and shall describe the changes in emissions that will result and how these increases and decreases in emissions will comply with the terms and conditions of the permit.

2.12.4.2 The permit shield described in WAC 173-401-640 shall extend to terms and conditions that allow such increases and decreases in emissions.

2.12.5 A source making a change under this section shall comply with applicable preconstruction review requirements established pursuant to 70.94.152 RCW.

[WAC 173-401-722, 9/16/02]

## 2.13 Reopening for cause.

2.13.1 Permits shall be reopened and revised under any of the following circumstances:

2.13.1.1 Additional applicable requirements become applicable to a Chapter 173-401 WAC source with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirements. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to WAC 173-401-620(2)(j);

2.13.1.2 Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit;

2.13.1.3 Ecology 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

2.13.1.4 The administrator or Ecology determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

2.13.2 Proceedings to reopen and issue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Such reopening shall be made as expeditiously as practicable.

2.13.3 Reopenings under this section shall not be initiated before a notice of such intent is provided to the Chapter 173-401 WAC source by Ecology at least thirty (30) days in advance of the date that the permit is to be reopened, except that Ecology may provide a shorter time period in the case of an emergency.

[WAC 173-401-730, 9/16/02]

2.14 New source review. The permittee shall not construct new sources or make modifications required to be reviewed under WAC 173-400-110, WAC 173-400-113, WAC 173-400-141, or Chapter 173-460 WAC before the permittee obtains written final approval from Ecology in accordance with those regulations, pays the appropriate fees required by WAC 173-400-116, and pays the cost of public notice described in WAC 173-400-171. [WAC 173-400-110, 8/20/93, 1/10/05 (S); WAC 173-400-113, 8/20/93, 1/10/05 (S); WAC 173-400-116, 8/20/93, 1/10/05 (S); WAC 173-400-141, 8/20/93, 1/10/05 (S); WAC 173-400-171, 8/20/93, 1/10/05 (S); C 173-460-040, 7/21/98 (S); RCW 70.94.152, 2005 (S)]

- 2.15 Replacement or substantial alteration of emission control technology. Prior to replacing or substantially altering emission control technology subject to review under WAC 173-400-114, the permittee shall file for and obtain approval from Ecology according to that regulation. The permittee shall pay the appropriate fees required by WAC 173-400-045(4) prior to commencing construction. [WAC 173-400-045(4), 1/10/05 (S); WAC 173-400-114, 1/10/05 (S); RCW 70.94.153, 2005 (S)]
- 2.16 Demolition and renovation (asbestos). Prior to, during, and after conducting any activity to which 40 CFR 60, Subpart M - National Emission Standard for Asbestos, applies, the permittee shall comply with the requirements of that rule. Such activities include demolition, renovation, asbestos stripping or removal, installing or reinstalling insulation, manufacturing or fabricating certain items, spraying of certain materials, constructing roadways of certain materials, or disposal. [40 CFR 61, Subpart M, 7/1/05; WAC 173-400-075(1), 1/10/05 (S)]
- 2.17 Federal CFC requirements (Title VI).
  - 2.17.1 The permittee shall comply with the following standards for recycling and emissions reductions pursuant to 40 CFR 82, Subpart F, except as provided for MVACs in Subpart B:
    - 2.17.1.1 Persons conducting maintenance, service, repair, or disposing must follow the prohibitions pursuant to 40 CFR 82.154.
    - 2.17.1.2 Persons opening appliances for maintenance, service, repair or disposal must comply with the required practices pursuant to 40 CFR 82.156.
    - 2.17.1.3 Equipment used during the maintenance, service, repair or disposal must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
    - 2.17.1.4 Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.
    - 2.17.1.5 Persons conducting maintenance, service, repair, or disposing must certify to the Administrator that such person has acquired certified recovery or recycling equipment pursuant to 40 CFR 82.162.
    - 2.17.1.6 Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166.
    - 2.17.1.7 Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156.
    - 2.17.1.8 Owners/operators of appliances normally containing 50 or more pounds of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
  - 2.17.2 If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR 82, Subpart A - Production and Consumption Controls.
  - 2.17.3 If the permittee performs a service on monitor (fleet) vehicles and when this service involves ozone depleting substance refrigerant in the MVAC, the permittee is subject to all applicable requirements as specified in 40 CFR 82, Subpart B - Servicing of Motor Vehicle Air Conditioners.
  - 2.17.4 The permittee shall be allowed to switch from any ozone depleting substance to any alternative that is listed in the Significant New Alternative Program promulgated pursuant to 40 CFR 82, Subpart G - Significant New Alternative Policy Program.

[40 CFR 82, 7/1/05; RCW 70.94.970, 2005 (S); RCW 70.94.980, 2005 (S)]

### 3.0 OPERATIONAL FLEXIBILITY [WAC 173-401-650, 9/16/02]

The combined cycle unit has two sets of emission limits; one set each of emission units when operating at base-load and at peak-load. The applicable requirements in Table 5.4a apply when the combined cycle unit is operating at base-load (i.e., duct burner(s) NOT in operation). The applicable requirements in Table 5.4b apply when the combined cycle unit is operating at peak-load (i.e., duct burner(s) in operation).

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.

**4.0 COMPLIANCE PLAN** [WAC 173-401-630(3), 9/16/02; WAC 173-401-510(2)(h), 9/16/02]

- 4.1 The permittee shall continue to comply with applicable requirements with which it is currently in compliance.
- 4.2 The permittee shall meet applicable requirements on a timely basis that become effective during the permit term.
- 4.3 Compliance certification.
  - 4.3.1 The permittee shall submit a certification of compliance with permit terms and conditions (i.e., sections 2, 3, 4, and 5) at least once per year. At a minimum a certification of compliance is due, for each January 1<sup>st</sup>, through December 31<sup>st</sup>, no later than the following **March 1<sup>st</sup>**. Ecology may require that compliance certifications be submitted more frequently for those emission units not in compliance with permit terms and conditions, or where more frequent certification is specified in the applicable requirement.
  - 4.3.2 The compliance certification shall include the following:
    - 4.3.2.1 The identification of each term or condition of the permit that is the basis of the certification;
    - 4.3.2.2 The compliance status;
    - 4.3.2.3 Whether compliance was continuous or intermittent; and
    - 4.3.2.4 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).
  - 4.3.3 Compliance certification shall be submitted to Ecology at:  
Section Manager  
Regional Air Quality Section  
Department of Ecology  
15 W Yakima Ave, Ste 200  
Yakima, Washington 98902  
and EPA Region 10 at:  
U.S. EPA Region 10 Administrator  
1200 Sixth Avenue  
Seattle, Washington 98101  
[WAC 173-401-630(5), 9/16/02]
  - 4.3.4 The permittee need not certify compliance for insignificant emission units or activities. [WAC 173-401-530(2)(d), 9/16/02]
  - 4.3.5 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), 7/1/05]

## 5.0 APPLICABLE REQUIREMENTS

Until this permit expires, is modified or revoked, this permittee is authorized to operate processes 1, 2, 3, 4, 5, and 6. These processes are subject to the requirements shown in Tables 5.1, 5.2, 5.3, 5.4, 5.4a, 5.4b, 5.5, and 5.6, and to the other terms and conditions specified in this permit.

- 5.1 Source Wide. The following requirements apply SOURCE WIDE: including, but not limited to the combustion turbine, the duct burner, the combined cycle unit (which includes: gas turbine, heat recovery steam generator, duct burner, selective catalytic reduction unit, and the steam generator, sharing a single emission exhaust stack), the backup generator, and the firewater pump, unless an alternate requirement is specifically stated for a particular emissions unit. Since monitoring, recordkeeping, and reporting has not specifically been required by Ecology for insignificant emission units, per WAC 173-400-105(1st ¶), there are no air operating permit monitoring, recordkeeping, and reporting requirements for the insignificant emission units under this Source Wide section, as allowed per WAC 173-401-530(2)(c).

Applicable Requirement (Source Wide)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.1.1	RCW 70.94.040, 2005	S	Unlawful for any person to cause air pollution or permit it to be caused in violation of RCW 70.94, or of any ordinance, resolution, rule or regulation validly promulgated thereunder.	None specified.	No additional monitoring required.
5.1.2	<i>NOTE: This row intentionally left blank.</i>				
5.1.3	WAC 173-400-040(1st ¶), 8/20/93	F	All emissions units are required to use RACT.	None specified.	No additional monitoring required.
	WAC 173-400-040(1st ¶), 1/10/05; RCW 70.94.154, 2005	S			

	Applicable Requirement (Source Wide)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.1.4	<p>WAC 173-400-040(1)(a), (b), 8/20/93</p> <hr/> <p>WAC 173-400-040(1)(a), (b), 1/10/05</p>	<p>F</p> <hr/> <p>S</p>	<p>Opacity shall not exceed 20% for more than three (3) minutes, in any one (1) hour.</p>	<p>Ecology Method 9A, "Source Test Manual - Procedures for Compliance Testing," State of Washington Department of Ecology, 7/12/90</p>	<p>1) The permittee shall conduct monthly visible emissions surveys of all emission sources and the property boundary during daylight hours as follows: a) the survey shall be conducted from a location with a clear view of the emission source, or boundary, and where the sun is not directly in the observer's eyes. The survey location shall be at least 15 feet but not more than 0.25 miles from the source; b) survey shall be conducted during operation; c) the observer will be educated in the general procedures for determining the presence of visible emissions (i.e. effects on the visibility of emissions caused by background contrast, position of the sun and amount of ambient lighting, and observer position relative to source and sun); d) the survey shall consist of a minimum 15-second visual observation of each emission source to identify those emission sources which exhibit visible emissions; e) in addition to the records required under condition 2.15, the observer shall record the wind direction, sky condition, sun location with respect to the source and the survey location, and the time duration of the survey.</p> <p>2) The permittee shall conduct Ecology Method 9A testing of an emission source when visible emissions, other than uncombined water, are observed during a survey or are otherwise observed by the permittee. Testing shall be conducted as follows: a) testing shall be initiated as soon as possible, but not later than 24 hours after the requirement to conduct such testing is triggered; b) all testing shall be performed during periods when the subject emissions unit is operating; c) testing shall consist of certified opacity readings at 15-second intervals over a minimum period of six consecutive minutes (24 consecutive readings) unless any two readings are greater than 20% opacity in which case the testing period shall be 60 consecutive minutes or until a violation is documented. If a violation is documented, appropriate and timely action shall be taken (as soon as possible, but within 24 hours) to identify and correct the problem causing the opacity. The required recordkeeping shall include the name of the person recording the information, the name(s) of the person(s) taking the corrective action, and the nature, time, date, and effectiveness of any corrective action taken in response to a violation. [WAC 173-401-615(1), 9/16/02]</p>

Applicable Requirement (Source Wide)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.1.5 <del>NOC No. 01AQCR-2037 Second Revision, 1/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Condition 3.4.2</del>	F	Visible emissions from the emission units shall not exceed five (5) percent opacity.	EPA RM 9, 40 CFR 60, Appendix A, 7/1/05	Comply with 5.1.4, except that: 2) The permittee shall conduct RM 9 testing when visible emissions are observed during a survey or are otherwise observed by the permittee. Testing shall be conducted as follows: a) testing shall be initiated as soon as possible, but not later than 24 hours after the requirement to conduct such testing is triggered; b) all testing shall be performed during periods when the subject emissions unit is operating; c) testing shall consist of certified opacity readings at 15-second intervals over a minimum period of six consecutive minutes (24 consecutive readings). If a violation is documented, appropriate and timely action shall be taken (as soon as possible, but within 24 hours) to identify and correct the problem causing the opacity. The required recordkeeping shall include the name of the person recording the information, the name(s) of the person(s) taking the corrective action, and the nature, time, date, and effectiveness of any corrective action taken in response to a violation. [WAC 173-401-615(1), 9/16/02]
5.1.6 <del>NOC No. 01AQCR-2037 Second Revision, 1/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Condition 3.4.3</del>	F	Visible emissions, from the emission units, at the property boundary of the site shall not exceed zero (0) percent opacity.	EPA RM 9, 40 CFR 60, Appendix A, 7/1/05	Comply with 5.1.4, except that: 2) The permittee shall conduct RM 9 testing when visible emissions are observed during a survey or are otherwise observed by the permittee. Testing shall be conducted as follows: a) testing shall be initiated as soon as possible, but not later than 24 hours after the requirement to conduct such testing is triggered; b) all testing shall be performed during periods when the subject emissions unit is operating; c) testing shall consist of certified opacity readings at 15-second intervals over a minimum period of six consecutive minutes (24 consecutive readings). If a violation is documented, appropriate and timely action shall be taken (as soon as possible, but within 24 hours) to identify and correct the problem causing the opacity. The required recordkeeping shall include the name of the person recording the information, the name(s) of the person(s) taking the corrective action, and the nature, time, date, and effectiveness of any corrective action taken in response to a violation. [WAC 173-401-615(1), 9/16/02]



Applicable Requirement (Source Wide)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.1.7	WAC 173-400-040(2), 1/10/05	S	No person shall cause or permit the emission of PM from any source to be deposited beyond the property under direct control of the owner(s) or operator(s) of the source in sufficient quantity to interfere unreasonably with the use and enjoyment of the property upon which the material is deposited.	None specified.	No additional monitoring required.
5.1.8	WAC 173-400-040(3)(a), 8/20/93	F	Reasonable precautions shall be taken to control fugitive emissions.	None specified.	No additional monitoring required.
	WAC 173-400-040(3)(a), 1/10/05	S			
5.1.9	WAC 173-400-040(4), 1/10/05	S	Odors which may unreasonably interfere with use and enjoyment of property are prohibited unless recognized good practice and procedures are employed to reduce odors to a reasonable minimum.	None specified.	Comply with applicable requirement for 5.1.23. [WAC 173-401-615(1), 9/16/02]

	Applicable Requirement (Source Wide)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.1.10	<del>NOC No. 01AQCR-2037 Second Revision, 4/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Condition 3.9.2</del>	S	Odors from the source shall be controlled by preventing unnecessary release of ammonia, natural gas and other substances producing obnoxious odors at ground level and by minimizing such emissions from the exhaust stack.	Within 30 days following odor detection, the permittee shall determine what remedial measures will be taken, to control odor. Within 60 days following odor detection, the permittee shall implement the remedial measures, unless installation of new equipment is required. If the remedial measure includes the installation of new equipment, such measure shall be taken within 180 days following odor detection. In the event that odor from the project is detected beyond the property boundary of the project following notification and this remedial action period, Ecology may order the permittee to take specific measures to control odor.	In the event that odor from the project is detected beyond the property boundary of the project, Ecology or the permittee shall promptly notify the other of this fact. The permittee shall report in writing to Ecology on remedial measures effectiveness.
5.1.11	WAC 173-400-040(5), 8/20/93  WAC 173-400-040(5), 1/10/05	F  S	No emissions detrimental to persons or property.	None specified.	Comply with applicable requirement for 5.1.23. [WAC 173-401-615(1), 9/16/02]
5.1.12	WAC 173-400-040(6)(1st ¶), 8/20/93  WAC 173-400-040(6)(1st ¶), 1/10/05	F  S	SO <sub>2</sub> shall not exceed 1000 ppm <sub>v</sub> on a dry basis, corrected to 7% O <sub>2</sub> for combustion sources, and based on the average of any period of sixty (60) consecutive minutes.	EPA RM 8, 40 CFR Part 60, Appendix A, 7/1/05.	No additional monitoring required.
5.1.13	WAC 173-400-040(7), 8/20/93  WAC 173-400-040(7), 1/10/05	F  S	No person shall cause or permit the installation or use of any means which conceals or masks an emission of an air contaminant.	None specified.	No additional monitoring required.

Applicable Requirement (Source Wide)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.1.14	WAC 173-400-040(8)(a), 8/20/93	F	Reasonable precautions shall be taken to prevent fugitive dust from becoming airborne.	None specified.	No additional monitoring required.
	WAC 173-400-040(8)(a), 1/10/05	S			
5.1.15	WAC 173-400-050(1), (3), 8/20/93	F	PM emissions from combustion sources shall not exceed 0.1 gr/dscf corrected to 7% O <sub>2</sub> .	EPA RM 5, 40 CFR Part 60, Appendix A, 7/1/05.	No additional monitoring required.
	WAC 173-400-050(1), (3), 1/10/05	S			
5.1.16	WAC 173-400-060, 8/20/93	F	General process units required to meet all applicable provisions of WAC 173-400-040. PM shall not exceed 0.1 gr/dscf.	EPA RM 5, 40 CFR Part 60, Appendix A, 7/1/05.	No additional monitoring required.
	WAC 173-400-060, 1/10/05	S			
5.1.17	WAC 173-400-200(2), 8/20/93	F	No use of excess stack height or dispersion techniques shall be used to meet ambient air quality standards or PSD increments.	None specified.	No additional monitoring required.
	WAC 173-400-200(2), 1/10/05	S			
5.1.18	WAC 173-400-205, 8/20/93	F	No varying of emissions according to atmospheric conditions or ambient concentrations.	None specified.	No additional monitoring required.
	WAC 173-400-205, 1/10/05	S			

	Applicable Requirement (Source Wide)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.1.19	<del>NOC No. 01AQCR-2037 Second Revision, 4/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Conditions 3.6.1, 3.8, 3.9.3</del>	F	Emission units shall be properly operated and maintained. Emission unit specific O&M manuals shall be developed, maintained up-to-date, and followed by the permittee. Emission units shall be operated and maintained in accordance with the O&M manual(s). Regular O&M records shall be kept at the source and made available for inspection by Ecology, organized in a readily accessible manner. Legible copies of the O&M Manuals shall be on-site in a location known by and available to personnel in direct operation of the emission units and available to Ecology upon request.	O&M manuals shall at a minimum include: 1) Normal operating parameters for the emissions unit(s); 2) A maintenance schedule for the emissions unit(s); 3) Monitoring and record keeping requirements; 4) A description of the monitoring procedures; and 5) Actions for abnormal control system operation. On line monitors shall be referenced in the Operations and Maintenance Manual.	The O&M manuals shall be kept on file. This file shall be reviewed at least annually with records kept of the date of and personnel who performed such review. Responsible official shall certify that the emission units are being operated per their respective O&M manual. [WAC 173-401-615(1), 9/16/02]
5.1.20	<del>NOC No. 01AQCR-2037 Second Revision, 4/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Condition 3.9.1</del>	F	No outdoor burning shall be conducted at the source.	None specified.	No additional monitoring required.



	Applicable Requirement (Source Wide)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.1.21	<del>NOC No. 01AQCR-2037 Second Revision, 1/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Conditions 3.9.3, 3.9.5, 3.9.9</del>	F	Operation of equipment must be conducted in compliance with all data and specifications submitted as part of the Notice of Construction application unless otherwise approved by Ecology. Any activity undertaken by the permittee, or others, in a manner that is inconsistent with the application or this Order, shall be subject to Ecology enforcement under applicable regulations. A legible copy of NOC No. 01AQCR-2037 Second Revision, shall be on-site in a location known by and available to personnel in direct operation of the emission units and available to Ecology upon request. Nothing in the NOC shall be construed so as to relieve the permittee of its obligations under any state, local, or federal laws or regulations.	None specified.	NOC No. 01AQCR-2037 Second Revision, shall be kept on file. This file shall be reviewed at least annually with records kept of the date of and personnel who performed such review. Responsible official shall certify that the emission units are being operated per their O&M manual. [WAC 173-401-615(1), 9/16/02]

	Applicable Requirement (Source Wide)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.1.22	<del>NOC No. 01AQCR-2037 Second Revision, 4/43/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Condition 3.9.10</del>	S	Project shall not interfere with viewing by the Goldendale Observatory.	Within 180 days of Ecology notifying the permittee that the project has interfered with viewing by the Goldendale Observatory, the permittee shall implement remedial measures to ensure that no interference with viewing at the Goldendale Observatory occurs and shall report in writing to Ecology on their effectiveness. In the event that an additional instance of interference is reported following notification and the remedial action period, Ecology may order the permittee to take specific measures.	Comply with applicable requirement for 5.1.23. [WAC 173-401-615(1), 9/16/02]
5.1.23	<del>NOC No. 01AQCR-2037 Second Revision, 4/43/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Condition 3.7.6</del>	F	Permittee shall keep records of complaints as received from the public, Ecology, or any other entity. Any complaints shall be promptly addressed and assessed.	None specified.	Ecology shall be notified within three days of receipt of any complaint. A record shall be maintained of the permittee's action to investigate the validity of the complaint and what, if any, corrective action was taken in response to the complaint.



5.2 Combustion Turbine . The following applicable requirements apply to the COMBUSTION TURBINE.

	Applicable Requirement (Combustion Turbine)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.2.1	40 CFR Part 60.332(a)(1), 60.332(a)(3), 60.332(b), 60.334(b)(2), 60.335(c)(1), 60.335(e), 7/1/05  <i>(Stationary Turbine NSPS Subpart GG)</i>  WAC 173-400- 115(1)(a), 1/10/05  <del>NOC No. 01AQCR- 2037 Second Revision, 1/13/05, Proposed Decision Regarding NOC No. 01AQCR- 2037 Third Revision, 1/21/11, Conditions 3.7.7, 3.7.9</del>	F	Permittee shall not cause to be discharged into the atmosphere gases containing NO <sub>x</sub> >:  $STD = 0.0075 \left( \frac{14.4}{Y} \right)$  where: STD=allowable NO <sub>x</sub> emissions (vd% @ 15% O <sub>2</sub> ) Y=manufacturer's rated heat rate at manufacturer's rated load (kJ/Whr) or, actual measured heat rate based upon lower heating value of fuel measured at actual peak load for the facility. Y ≤ 14.4.	None required. [Letter Re: NSPS Subpart GG Alternative Monitoring and Testing Approval, dated June 16, 2004, from USEPA Region 10 to Steve Royall, Goldendale Energy Center]	No additional monitoring required.
5.2.2	40 CFR Part 60.333(a), 60.334(b)(2), 60.335(c)(1), 60.335(d), 7/1/05  <i>(Stationary Turbine NSPS Subpart GG)</i>  WAC 173-400- 115(1)(a), 1/10/05  <del>NOC No. 01AQCR- 2037 Second Revision, 1/13/05, Proposed Decision Regarding NOC No. 01AQCR- 2037 Third Revision, 1/21/11, Conditions 3.7.7, 3.7.9</del>	F	Permittee shall not cause to be discharged into the atmosphere gases containing SO <sub>2</sub> > 0.015 <sub>vd</sub> % @ 15% O <sub>2</sub> .	None specified.	Comply with 5.2.3. [Letter Re: NSPS Subpart GG Alternative Monitoring and Testing Approval, dated June 16, 2004, from USEPA Region 10 to Steve Royall, Goldendale Energy Center]

	Applicable Requirement (Combustion Turbine)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.2.3	40 CFR Part 60.333(b), 60.334(b)(2), 60.335(c)(1), 60.335(d), 7/1/05  <i>(Stationary Turbine NSPS Subpart GG)</i>  WAC 173-400- 115(1)(a), 1/10/05  <del>NOC No. 01AQCR- 2037 Second Revision, 4/13/05, Proposed Decision Regarding NOC No. 01AQCR- 2037 Third Revision, 1/21/11, Conditions 3.7.7, 3.7.9</del>	F	Permittee shall not burn fuel containing S > 0.8 <sub>w</sub> %.	ASTM D 1072-80, D 3031-81, D 4084-82, or D 3246-81, shall be used to determine S content of gaseous fuel.	Quarterly sampling & analysis. If S is well below applicable standard with low variability, during quarterly sampling through 6/06, sampling frequency can be reduced to semiannual. If there is a substantial change in fuel quality or any analyses indicate noncompliance, samples must be collected and analyzed on a weekly basis. [Letter Re: NSPS Subpart GG Alternative Monitoring and Testing Approval, dated June 16, 2004, from USEPA Region 10 to Steve Royall, Goldendale Energy Center]
5.2.4	40 CFR Part 60.7(b), 7/1/05  <i>(Stationary Turbine NSPS Subpart GG)</i>  WAC 173-400- 115(1)(a), 1/10/05  <del>NOC No. 01AQCR- 2037 Second Revision, 4/13/05, Proposed Decision Regarding NOC No. 01AQCR- 2037 Third Revision, 1/21/11, Conditions 3.7.7, 3.7.9</del>	F	Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of the combustion turbine, any malfunction of the air pollution control equipment; or any periods during which a CEMS or monitoring device is inoperative.	None specified.	No additional monitoring required.



	Applicable Requirement (Combustion Turbine)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.2.5	40 CFR Part 60.7(b), 7/1/05 <i>(Stationary Turbine NSPS Subpart GG)</i> WAC 173-400- 115(1)(a), 1/10/05 <del>NOC No. 01AQCR- 2037 Second Revision, 1/13/05, Proposed Decision Regarding NOC No. 01AQCR- 2037 Third Revision, 1/21/11, Conditions 3.7.7, 3.7.9</del>	F	Maintain a file of all measurements, 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 these systems or devices; and all other information required by this part recorded in a permanent form suitable for inspection.	None specified.	No additional monitoring required.
5.2.6	40 CFR Part 60.11(d), 7/1/05 <i>(Stationary Turbine NSPS Subpart GG)</i> WAC 173-400- 115(1)(a), 1/10/05 <del>NOC No. 01AQCR- 2037 Second Revision, 1/13/05, Proposed Decision Regarding NOC No. 01AQCR- 2037 Third Revision, 1/21/11, Conditions 3.7.7, 3.7.9</del>	F	Maintain and operate combustion turbine and pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.	None specified.	No additional monitoring required.

	Applicable Requirement (Combustion Turbine)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.2.7	<del>NOC No. 01AQCR-2037 Second Revision, 4/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Condition 3.3.2</del>	F	Combustion turbine shall operate at a load no less than 55 MW.	None specified.	No additional monitoring required.
5.2.8	<del>NOC No. 01AQCR-2037 Second Revision, 4/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Condition 3.3.5</del>	F	Combustion turbine shall operate only when the SCR unit is operating in good order.	None specified.	No additional monitoring required.
5.2.9	<del>NOC No. 01AQCR-2037 Second Revision, 4/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Condition 3.6.3</del>	F	Monitor sulfur content of the fuel being fired in the turbine.	An on-site sulfur analyzer. OR periodic gas sampling AND total sulfur analyzers monitoring each potential gas source.	Sulfur content shall be monitored daily with an on-site sulfur analyzer, OR monitored by periodic gas sampling AND use of daily total sulfur analyzers monitoring each potential gas source.



5.3 Duct Burner. The following applicable requirements apply to the DUCT BURNER.

	Applicable Requirement (Duct Burner)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.3.1	40 CFR Part 60.42a(a)(1), 60.46a(c), 60.48a(b)(2), 7/1/05 <i>(Boiler NSPS Subpart Da)</i> WAC 173-400-115(1)(a), 1/10/05 <del>NOC No. 01AQCR-2037 Second Revision, 1/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Conditions 3.7.7, 3.7.9</del>	F	PM $\leq$ 13 ng/J (0.03 lb/MMBtu) heat input, except during startup, shutdown, or malfunction.	EPA RM 5, 40 CFR Part 60, Appendix A, 7/1/05.	Comply with applicable requirement for 5.4.5. [WAC 173-401-615(1), 9/16/02]
5.3.2	40 CFR Part 60 Subpart Da § 60.11(b), 60.11(c), 60.42a(b), 60.48a(b)(3), 7/1/05 <i>(Boiler NSPS Subpart Da)</i> WAC 173-400-115(1)(a), 1/10/05 <del>NOC No. 01AQCR-2037 Second Revision, 1/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Conditions 3.7.7, 3.7.9</del>	F	Opacity $\leq$ 20%, except for one 6-minute period per hour of not more than 27%, except during periods of startup, shutdown, or malfunction.	EPA RM 9, 40 CFR Part 60, Appendix A, 7/1/05.	Comply with applicable requirement for 5.1.5. [WAC 173-401-615(1), 9/16/02]

	Applicable Requirement (Duct Burner)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.3.3	40 CFR Part 60.43a(b)(2), 60.43a(g), 60.46a(c), 60.46a(g) 60.48a(c)(4), 7/1/05 <i>(Boiler NSPS Subpart Da)</i> <hr/> WAC 173-400- 115(1)(a), 1/10/05 <hr/> <del>NOC No. 01AQCR-</del> <del>2037 Second Revision,</del> <del>4/13/05, Proposed</del> <del>Decision Regarding</del> <del>NOC No. 01AQCR-</del> <del>2037 Third Revision,</del> <del>1/21/11, Conditions</del> 3.7.7, 3.7.9	F	$\text{SO}_2 \leq 86 \text{ ng/J}$ (0.20 lb/MMBtu) heat input, on a rolling arithmetic average of all hourly emissions for 30 successive boiler operating days, except during periods of startup, or shutdown.	EPA RM 19, 40 CFR Part 60, Appendix A, 7/1/05.	Comply with applicable requirement for 5.4.10. [WAC 173-401-615(1), 9/16/02]



	Applicable Requirement (Duct Burner)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.3.4	<p>40 CFR Part 60.7(c), 60.7(d), 60.13(a), 60.13(d)(1), 60.13(e)(2), 60.13(f), 60.13(h), 60.44a(a)(1), 60.44a(a)(2), 60.46a(c), 60.46a(e), 60.46a(g), 60.47a(c), 60.47a(d), 60.47a(e), 60.47a(f), 60.47a(i), 60.47a(j), 60.48a(d), 60.49a(b), 60.49a(f), 60.49a(g), 60.49a(i), 7/1/05 (Boiler NSPS Subpart Da) WAC 173-400-115(1)(a), 1/10/05 <del>NOC No. 01AQCR-2037 Second Revision, 4/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Conditions 3.7.7, 3.7.9</del></p>	F	<p><math>\text{NO}_x \leq 86 \text{ ng/J}</math> (0.20 lb/MMBtu) heat input, on a rolling arithmetic average of all hourly emissions for 30 successive boiler operating days, except during startup, shutdown, or malfunction.</p>	<p>EPA RM 19, 40 CFR Part 60, Appendix A, 7/1/05. Install, calibrate, maintain, and operate a CEMS, and record measured <math>\text{NO}_x</math>, and <math>\text{O}_2</math> or <math>\text{CO}_2</math> emissions. CEMS shall be operated and data recorded during all periods of operation, including periods of startup, shutdown, and malfunction, except for CEMS breakdowns, repairs, calibration checks, and zero and span adjustments, and shall complete a minimum of one cycle of operation for each successive 15-minute period. 1-hour averages shall be computed from four or more data points equally spaced over each 1-hour period. CEMS data shall be obtained for at least 18 hours in at least 22 out of 30 successive boiler operating days. CEMS shall comply with 40 CFR 60 Appendix B, Performance Specifications, and 40 CFR 60, Appendix F, Quality Assurance Procedures.</p>	<p>At least once daily, check the CEMS zero and span calibration drifts. The zero and span must, as a minimum, be adjusted whenever either the 24-hour zero drift or the 24-hour span drift exceeds two times the limit of the applicable performance specification in Appendix B.</p> <p>Submit written reports for each calendar quarter. All quarterly reports shall be postmarked by the 30<sup>th</sup> day following the end of each calendar quarter. For each 24-hour period, report to EPA &amp; Ecology: (1) calendar date; (2) average <math>\text{NO}_x</math> emission rate for each 30 successive boiler operating days, ending with last 30-day period in the quarter; reasons for non-compliance with the emission standards; and, description of corrective actions taken; (4) identification of the boiler operating days for which pollutant or diluent data have not been obtained, by CEMS, for at least 18 hours of operation of the facility; justification for not obtaining sufficient data; and description of corrective actions taken; (5) identification of the times when emissions data have been excluded from the calculation of average emission rates because of startup, shutdown, or other reasons, and justification for excluding data for reasons other than startup or shutdown; (8) identification of times when the pollutant concentration exceeded full span of the CEMS; (9) description of any modifications to the CEMS which could affect the ability of the CEMS to comply with Performance Specifications 2 or 3. For any periods for which <math>\text{NO}_x</math> emission data are not available, submit a signed statement indicating if any changes were made in operation of the emission control system during the period of data unavailability. Submit a signed statement indicating whether: (1) the required CEMS calibration, span, and drift checks or other periodic audits have been performed as specified; (2) the data used to show compliance was or was not obtained in accordance with approved methods and procedures of Subpart Da and is representative of plant performance; (3) the minimum data requirements have or have not been met; or, the minimum data requirements have not been met for errors that were unavoidable; (4) compliance with the standards has or has not been achieved during the reporting period.</p>

	Applicable Requirement (Duct Burner)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.3.5	40 CFR Part 60.7(b), 7/1/05 <i>(Boiler NSPS Subpart Da)</i> WAC 173-400-115(1)(a), 1/10/05 <del>NOC No. 01AQCR-2037 Second Revision, 1/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Conditions 3.7.7, 3.7.9</del>	F	Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of the Duct Burner, any malfunction of the air pollution control equipment; or any periods during which a CEMS or monitoring device is inoperative.	None specified.	No additional monitoring required.
5.3.6	40 CFR Part 60.7(b), 7/1/05 <i>(Boiler NSPS Subpart Da)</i> WAC 173-400-115(1)(a), 1/10/05 <del>NOC No. 01AQCR-2037 Second Revision, 1/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Conditions 3.7.7, 3.7.9</del>	F	Maintain a file of all measurements, 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 these systems or devices; and all other information required by NSPS Subpart Da recorded in a permanent form suitable for inspection.	None specified.	No additional monitoring required.



	Applicable Requirement (Duct Burner)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.3.7	40 CFR Part 60 Subpart GG § 60.11(d), 7/1/05 (Boiler NSPS Subpart Da) WAC 173-400-115(1)(a), 1/10/05 <del>NOC No. 01AQCR-2037 Second Revision, 4/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Conditions 3.7.7, 3.7.9</del>	F	Maintain and operate Duct Burner and pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.	None specified.	Comply with applicable requirement for 5.1.19. [WAC 173-401-615(1), 9/16/02]
5.3.8	<del>NOC No. 01AQCR-2037 Second Revision, 4/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Condition 3.1.1</del>	F	NO <sub>x</sub> shall be controlled by use of low NO <sub>x</sub> Duct Burner	None specified.	No additional monitoring required.
5.3.9	<del>NOC No. 01AQCR-2037 Second Revision, 4/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Condition 3.3.3, 3.7.2</del>	F	Use of the Duct Burner (operation at peak load) shall be no more than 5250 hours per rolling 12-month period.	None specified.	A daily log shall be kept of the hours of operation in base load, operation in peak load, shut-down, and start-up.

5.4 Combined Cycle Unit. The following requirements apply to the COMBINED CYCLE UNIT made up of the Gas Turbine, Heat Recovery Steam Generator, Duct Burner, Selective Catalytic Reduction unit, and the Steam Generator, sharing a single emission exhaust stack.

Applicable Requirement (Combined Cycle Unit)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.4.1 <del>NOC No. 01AQCR-2037 Second Revision, 4/13/05. Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11.</del> Conditions 3.1.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.8	F	NO <sub>x</sub> shall be controlled by use of selective catalytic reduction (SCR) in the heat recovery steam generator (HRSG) and good combustion practice. Emissions shall be limited to 2 ppm <sub>d</sub> (at 15% O <sub>2</sub> ), 3-hour average.	EPA RM 19 and 20, 40 CFR Part 60, Appendix A, 7/1/05. Each testing event (year) shall alternate between base-load and peak-load operating conditions. Each test shall consist of at least three runs. Testing shall be conducted at a net power output of at least 225 MW, at ambient temperature and pressure. Adequate sampling ports, safe sampling platforms and access to platforms, and utilities, for sampling and testing shall be provided per 40 CFR 60.8. Test plans shall be submitted 30 days prior and written results shall be submitted to Ecology within 60 days of occurrence. Install, calibrate, maintain, and operate, CEMs for NO <sub>x</sub> and O <sub>2</sub> , with an automated data acquisition and handling system, that complies with 40 CFR Part 75 and 40 CFR 60, Appendix B, Performance Specifications, and 40 CFR 60, Appendix F, Quality Assurance Procedures. Records shall be kept of all periods of downtime of the monitors.	Source testing shall be conducted at least once every five years, except that source testing shall be required annually if the limit was exceeded during any of the previous three tests.  CEMS reports shall be submitted at least monthly within 30-days of the end of each calendar month, and shall include: (1) process or control equipment operating parameters; (2) daily maximum and average concentration, in the units of the standard(s), for each pollutant monitored; (3) duration and nature of any monitor down-time; (4) results of any monitor audits or accuracy checks; and (5) results of any required stack tests. For each occurrence of monitored emissions in excess of the standard, the report shall include: (6) time of occurrence; (7) magnitude of the emission or process parameters excess; (8) duration of the excess; (9) probable cause; (10) any corrective actions taken or planned; and (11) any other agency contacted.



	Applicable Requirement (Combined Cycle Unit)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.4.2	<p><del>NOC No. 01AQCR-2037 Second Revision, 1/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11.</del> Condition 3.1.2, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.8</p>	F	CO shall be controlled by use of an oxidation catalyst in the HRSG and good combustion practice. Emissions shall be limited to 2 ppm <sub>d</sub> (at 15% O <sub>2</sub> ), 1-hour average.	<p>EPA RM 10, 40 CFR Part 60, Appendix A, 7/1/05. Each testing event (year) shall alternate between base-load and peak-load operating conditions. Each test shall consist of at least three runs. Testing shall be conducted at a net power output of at least 225 MW, at ambient temperature and pressure. Adequate sampling ports, safe sampling platforms and access to platforms, and utilities, for sampling and testing shall be provided per 40 CFR 60.8. Test plans shall be submitted 30 days prior and written results shall be submitted to Ecology within 60 days of occurrence. Install, calibrate, maintain, and operate, CEMs for CO &amp; O<sub>2</sub>, with an automated data acquisition and handling system, that complies with 40 CFR 60, Appendix B, Performance Specifications, and 40 CFR 60, Appendix F, Quality Assurance Procedures. Records shall be kept of all periods of downtime of the monitors.</p>	<p>Source testing shall be conducted at least once every five years, except that source testing shall be required annually if the limit was exceeded during any of the previous three tests.</p> <p>CEMS reports shall be submitted at least monthly within 30-days of the end of each calendar month, and shall include: (1) process or control equipment operating parameters; (2) daily maximum and average concentration, in the units of the standard(s), for each pollutant monitored; (3) duration and nature of any monitor down-time; (4) results of any monitor audits or accuracy checks; and (5) results of any required stack tests. For each occurrence of monitored emissions in excess of the standard, the report shall include: (6) time of occurrence; (7) magnitude of the emission or process parameters excess; (8) duration of the excess; (9) probable cause; (10) any corrective actions taken or planned; and (11) any other agency contacted.</p>

	Applicable Requirement (Combined Cycle Unit)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.4.3	<del>NOC No. 01AQCR-2037 Second Revision, 4/13/05, Proposed Decision Regarding</del> <del>NOC No. 01AQCR-2037 Third Revision, 1/21/11, Condition 3.1.3, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9</del>	F	VOCs shall be controlled by use of an oxidation catalyst in the HRSG and good combustion practice	EPA RM 25A, 40 CFR Part 60, Appendix A, 7/1/05. Each testing event (year) shall alternate between base-load and peak-load operating conditions. Each test shall consist of at least three runs. Testing shall be conducted at a net power output of at least 225 MW, at ambient temperature and pressure. Adequate sampling ports, safe sampling platforms and access to platforms, and utilities, for sampling and testing shall be provided per 40 CFR 60.8. Test plans shall be submitted 30 days prior and written results shall be submitted to Ecology within 60 days of occurrence.	Source testing shall be conducted at least once every five years, except that source testing shall be required annually if the limit was exceeded during any of the previous three tests.
5.4.4	<del>NOC No. 01AQCR-2037 Second Revision, 4/13/05, Proposed Decision Regarding</del> <del>NOC No. 01AQCR-2037 Third Revision, 1/21/11, Condition 3.1.4, 3.3.4</del>	F	SO <sub>2</sub> shall be controlled by exclusive use of natural gas and good combustion practice.	None specified.	No additional monitoring required.



	Applicable Requirement (Combined Cycle Unit)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.4.5	<del>NOC No. 01AQCR-2037 Second Revision, 4/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Condition 3.1.5, 3.3.4, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9</del>	F	PM <sub>10</sub> shall be controlled by exclusive use of natural gas and good combustion practice and design.	EPA RM 5 or 17, and 19, 40 CFR Part 60, Appendix A, 7/1/05. Each testing event (year) shall alternate between base-load and peak-load operating conditions. Each test shall consist of at least three runs. Testing shall be conducted at a net power output of at least 225 MW, at ambient temperature and pressure. Adequate sampling ports, safe sampling platforms and access to platforms, and utilities, for sampling and testing shall be provided per 40 CFR 60.8. Test plans shall be submitted 30 days prior and written results shall be submitted to Ecology within 60 days of occurrence.	Source testing shall be conducted at least once every five years, except that source testing shall be required annually if the limit was exceeded during any of the previous three tests.
5.4.6	<del>NOC No. 01AQCR-2037 Second Revision, 4/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Condition 3.2.1, 3.3.4</del>	F	TAPs shall be controlled by exclusive use of natural gas and good combustion practice.	None specified.	No additional monitoring required.

	Applicable Requirement (Combined Cycle Unit)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.4.7	<del>NOC No. 01AQCR-2037 Second Revision, 4/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Condition 3.2.2, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.4, 3.7.8</del>	F	Ammonia emissions shall be limited to <del>3-5</del> ppm <sub>d</sub> (at 15% O <sub>2</sub> , <del>43</del> -hour average.)	Bay Area Air Quality Management District Source Test Procedure ST-1B, January 20, 1982. Each testing event (year) shall alternate between base-load and peak-load operating conditions. Each test shall consist of at least three runs. Testing shall be conducted at a net power output of at least 225 MW, at ambient temperature and pressure. Adequate sampling ports, safe sampling platforms and access to platforms, and utilities, for sampling and testing shall be provided per 40 CFR 60.8. Test plans shall be submitted 30 days prior and written results shall be submitted to Ecology within 60 days of occurrence. Install, calibrate, maintain, and operate, CEMs for NH <sub>3</sub> , with an automated data acquisition and handling system, that complies with 40 CFR 60, Appendix B, Performance Specifications, and 40 CFR 60, Appendix F, Quality Assurance Procedures.	Source testing shall be conducted at least once every five years, except that source testing shall be required annually if the limit was exceeded during any of the previous three tests.  CEMS reports shall be submitted at least monthly within 30-days of the end of each calendar month, and shall include: (1) process or control equipment operating parameters; (2) daily maximum and average concentration, in the units of the standard(s), for each pollutant monitored; (3) duration and nature of any monitor down-time; (4) results of any monitor audits or accuracy checks; and (5) results of any required stack tests. For each occurrence of monitored emissions in excess of the standard, the report shall include: (6) time of occurrence; (7) magnitude of the emission or process parameters excess; (8) duration of the excess; (9) probable cause; (10) any corrective actions taken or planned; and (11) any other agency contacted.  Records shall be kept of all periods of downtime of the monitors. Daily records shall be kept indicating the volume of ammonia maintained on-site and the volume of ammonia used.
5.4.8	<del>NOC No. 01AQCR-2037 Second Revision, 4/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Condition 3.2.3</del>	F	Formaldehyde shall be controlled by use of the oxidation catalyst in the HRSG.	None specified.	No additional monitoring required.
5.4.9	<del>NOC No. 01AQCR-2037 Second Revision, 4/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Condition 3.3.1, 3.7.3</del>	F	Source shall be limited to a calendar year average generating capacity of less than 250 MW <sub>e</sub> , measured using maximum continuous electric generating capacity, less minimum auxiliary load, at average ambient temperature and pressure.	None specified.	A daily log shall be kept of the gross power generation and auxiliary load. The net power generation (gross power generation less the auxiliary load) shall be calculated and averaged, at average ambient temperature and pressure, over the most recent 12-month period, monthly.



	Applicable Requirement (Combined Cycle Unit)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.4.10	<del>NOC No. 01AQCR-2037 Second Revision, 4/13/05; Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11.</del> Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.3	F	$\text{SO}_2 \leq 22.2 \text{ lbs/hr}$ and $\leq 3.2 \text{ ppm}_d$ at 15% $\text{O}_2$ , 1-hour average.	EPA RM 6, 40 CFR Part 60, Appendix A, 7/1/05. Each testing event (year) shall alternate between base-load and peak-load operating conditions. Each test shall consist of at least three runs. Testing shall be conducted at a net power output of at least 225 MW, at ambient temperature and pressure. Adequate sampling ports, safe sampling platforms and access to platforms, and utilities, for sampling and testing shall be provided per 40 CFR 60.8. Test plans shall be submitted 30 days prior and written results shall be submitted to Ecology within 60 days of occurrence.	Source testing shall be conducted at least once every five years, except that source testing shall be required annually if the limit was exceeded during any of the previous three tests.
5.4.11	<del>NOC No. 01AQCR-2037 Second Revision, 4/13/05; Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11.</del> Condition 3.4.4, 3.6.2, 3.7.1, 3.7.11	F	The combined cycle unit shall not exceed 70.2 tpy $\text{NO}_x$ and 82.3 tpy CO, including startups and shutdowns	Install, calibrate, maintain, and operate, CEMs for $\text{NO}_x$ and CO, with an automated data acquisition and handling system, that complies with 40 CFR Part 75 and 40 CFR 60, Appendix B, Performance Specifications, and 40 CFR 60, Appendix F, Quality Assurance Procedures. Records shall be kept of all periods of downtime of the monitors.	The actual $\text{NO}_x$ and CO emissions, including startup and shutdown, from the combined cycle unit, shall be quantified monthly, using CEMS data, over each rolling 12-month period.

	Applicable Requirement (Combined Cycle Unit)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.4.12	<del>NOC No. 01AQCR-2037 Second Revision, 4/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9</del>	F	Sulfuric acid mist shall not exceed 4.6 lbs/hr.	Measured as SO <sub>x</sub> less SO <sub>2</sub> . SO <sub>x</sub> measured by modified ASTM Method D-5504. SO <sub>2</sub> measured by EPA RM 6, July 1, 1999, 40 CFR Part 60, Appendix A, 7/1/05. Each testing event (year) shall alternate between base-load and peak-load operating conditions. Each test shall consist of at least three runs. Testing shall be conducted at a net power output of at least 225 MW, at ambient temperature and pressure. Adequate sampling ports, safe sampling platforms and access to platforms, and utilities, for sampling and testing shall be provided per 40 CFR 60.8. Test plans shall be submitted 30 days prior and written results shall be submitted to Ecology within 60 days of occurrence.	Source testing shall be conducted at least once every five years, except that source testing shall be required annually if the limit was exceeded during any of the previous three tests.

5.4a Combined Cycle Unit @ Base Load. The following requirements apply to the COMBINED CYCLE UNIT WHEN OPERATING AT BASE LOAD (i.e., Duct Burner NOT in use) made up of the Gas Turbine, Heat Recovery Steam Generator, Selective Catalytic Reduction unit, and the Steam Generator, sharing a single emission exhaust stack.

	Applicable Requirement (Base Load)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.4a.1	<del>NOC No. 01AQCR-2037 Second Revision, 4/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.8</del>	F	NO <sub>x</sub> ≤ 316.8 lbs/24-hrs and ≤ 2.0 ppm <sub>d</sub> at 15% O <sub>2</sub> , 3-hour average, except during start-up or shut-down.	As specified in applicable requirement 5.4.1.	Comply with applicable requirement for 5.4.1.



	Applicable Requirement (Base Load)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.4a.2	<del>NOC No. 01AQCR-2037 Second Revision, 4/13/05; Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.8</del>	F	CO $\leq$ 8.0 lbs/hr and $\leq$ 2.0 ppm <sub>v</sub> d at 15% O <sub>2</sub> , 1-hour average, except during start-up or shut-down.	As specified in applicable requirement 5.4.2.	Comply with applicable requirement for 5.4.2.
5.4a.3	<del>NOC No. 01AQCR-2037 Second Revision, 4/13/05; Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9</del>	F	VOC $\leq$ 2.8 lbs/hr and $\leq$ 6.0 ppm <sub>v</sub> d at 15% O <sub>2</sub> , 1-hour average, except during start-up or shut-down.	As specified in applicable requirement 5.4.3.	Comply with applicable requirement for 5.4.3.
5.4a.4	<del>NOC No. 01AQCR-2037 Second Revision, 4/13/05; Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9</del>	F	PM $\leq$ 22.3 lbs/hr	As specified in applicable requirement 5.4.5.	Comply with applicable requirement for 5.4.5.

Applicable Requirement (Base Load)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.4a.5 <del>NOC No. 01AQCR-2037 Second Revision, 4/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.4, 3.7.8</del>	F	<del>NH<sub>3</sub> ≤ 7.32/12.20 lbs/hr and ≤ 3.0 ppm<sub>d</sub> at 15% O<sub>2</sub>, 1-hour average.</del>	As specified in applicable requirement 5.4.7.	Comply with applicable requirement for 5.4.7.
5.4a.6 <del>NOC No. 01AQCR-2037 Second Revision, 4/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Condition 3.4.1</del>	F	Individual TAP emissions shall not exceed (lb/hr): Acetaldehyde 0.3182 Benzene 0.0328 Formaldehyde 0.4072 Nickel 0.0036 PAH 0.0014 Propylene Oxide 0.0496	None specified.	No additional monitoring required.

5.4b Combined Cycle Unit @ Peak Load. The following requirements apply to the COMBINED CYCLE UNIT WHEN OPERATING AT PEAK LOAD (i.e., Duct Burner in use) made up of the Gas Turbine, Heat Recovery Steam Generator, Duct Burner, Selective Catalytic Reduction unit, and the Steam Generator, sharing a single emission exhaust stack.

Applicable Requirement (Peak Load)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.4b.1 <del>NOC No. 01AQCR-2037 Second Revision, 4/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.8</del>	F	NO <sub>x</sub> ≤ 357.6 lbs/24-hrs and ≤ 2.0 ppm <sub>d</sub> at 15% O <sub>2</sub> , 3-hour average, except during start-up or shut-down.	As specified in applicable requirement 5.4.1.	Comply with applicable requirement for 5.4.1.



	Applicable Requirement (Peak Load)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.4b.2	<del>NOC No. 01AQCR-2037 Second Revision, 4/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Condition 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.8</del>	F	CO $\leq$ 9.1 lbs/hr and $\leq$ 2.0 ppm <sub>v</sub> d at 15% O <sub>2</sub> , 1-hour average, except during start-up or shut-down.	As specified in applicable requirement 5.4.2.	Comply with applicable requirement for 5.4.2.
5.4b.3	<del>NOC No. 01AQCR-2037 Second Revision, 4/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Condition 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9</del>	F	VOC $\leq$ 13.3 lbs/hr and $\leq$ 6.0 ppm <sub>v</sub> d at 15% O <sub>2</sub> , 1-hour average, except during start-up or shut-down.	As specified in applicable requirement 5.4.3.	Comply with applicable requirement for 5.4.3.
5.4b.4	<del>NOC No. 01AQCR-2037 Second Revision, 4/13/05, Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Condition 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9</del>	F	PM $\leq$ 22.3 lbs/hr	As specified in applicable requirement 5.4.5.	Comply with applicable requirement for 5.4.5.

Applicable Requirement (Peak Load)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.4b.5 <del>NOC No. 01AQCR-2037 Second Revision, 4/13/05; Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Condition 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.4, 3.7.8</del>	F	<del>NH<sub>3</sub> ≤ 8.25/13.75 lbs/hr and ≤ 3.0 ppm<sub>d</sub> at 15% O<sub>2</sub>, 1-hour average.</del>	As specified in applicable requirement 5.4.7.	Comply with applicable requirement for 5.4.7.
5.4b.6 <del>NOC No. 01AQCR-2037 Second Revision, 4/13/05; Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Condition 3.4.1</del>	F	Individual TAP emissions shall not exceed (lb/hr): Acetaldehyde 0.3756 Benzene 0.0388 Formaldehyde 0.4806 Nickel 0.0043 PAH 0.0016 Propylene Oxide 0.0586	None specified.	No additional monitoring required.

5.5 Backup Generator. The following requirements apply to BACKUP GENERATOR.

Applicable Requirement (Backup Generator)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.5.1 <del>NOC No. 01AQCR-2037 Second Revision, 4/13/05; Proposed Decision Regarding NOC No. 01AQCR-2037 Third Revision, 1/21/11, Condition 3.3.6, 3.7.5</del>	F	Backup generator shall be limited to 500 hours per rolling 12-month period of operation. The permittee shall operate the backup generator only as needed for maintenance and to provide emergency power.	None specified.	Keep a log of actual backup generator and firewater diesel pump operation shall be kept. The log shall identify the reason for operation, hours of operation, fuel type, fuel consumption, and fuel sulfur content.



5.6 Firewater Pump. The following requirements apply to FIREWATER PUMP.

Applicable Requirement (Firewater Pump)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.6.1 <del>NOC No. 01AQCR-2037 Second Revision, 1/13/05, Proposed Decision Regarding</del> <u>NOC No. 01AQCR-2037 Third Revision, 1/21/11, Condition 3.3.6, 3.7.5</u>	F	Firewater diesel pump shall be limited to 500 hours per rolling 12-month period of operation. The permittee shall operate the firewater pump only as needed for maintenance and to provide fire suppression water.	None specified.	Keep a log of actual backup generator and firewater diesel pump operation shall be kept. The log shall identify the reason for operation, hours of operation, fuel type, fuel consumption, and fuel sulfur content.

6.0 INAPPLICABLE REQUIREMENTS

Ecology has determined that the entire source, including all emission units, is not subject to the following requirements at the time of permit issuance. Some of the requirements listed below may become applicable during the permit term due to an invoking event, even though the requirement is deemed inapplicable at the time of permit issuance. Such requirements shall be met on a timely basis by the permittee by submittal of a compliance schedule therefore, per WAC 173-401-510(2)(h)(iii)(B).

Inapplicable Requirement	Title	Explanation
40 CFR Part 64	Compliance Assurance Monitoring	40 CFR 60.2(b)(1)(vi), exempts units from CAM if CEM is employed. While combustion turbine has pre-controlled PTE > 100 TPY NO <sub>x</sub> & CO, both a NO <sub>x</sub> & CO CEMS are employed.
40 CFR Part 68	Chemical Accident Provisions	While ammonia is a listed substance, it is not limited for concentrations less than 20%. Permittee has storage capacity of 9,000 gallons of aqueous ammonia, but the aqueous ammonia is limited to 19 1/2 %.
40 CFR Part 63 Subpart Q	National Emission Standards for Hazardous Air Pollutants for Industrial Process Cooling Towers	Permittee does not use any chromium-based water treatment chemicals.
40 CFR Part 63 Subpart YYYY	National Emission Standards for Hazardous Air Pollutants for Stationary Combustion Turbines	Combustion turbine predates applicability & is not major for HAPs.
WAC 173-400-099	Registration Program	WAC 173-400-101(7), exempts AOP sources.

## 7.0 PHASE II ACID RAIN PERMIT

### 7.1 SHIELD AND OBLIGATION

7.1.1 Permit shield. Each affected unit, specifically identified herein, operated in accordance with this Acid Rain permit shall be deemed to be operating in compliance with the Acid Rain Program, except as provided in 40 CFR 72.9(g)(6). [WAC 173-406-502, 11/23/94; 40 CFR 72.51]

7.1.2 Permit obligation. The owners and operators shall operate each affected unit in compliance with this Permit. Each affected source and each affected unit shall meet the requirements of the Acid Rain Program. [WAC 173-406-106(1)(b) & (7)(d), 11/23/94; 40 CFR 72.9(g)(4); 40 CFR 72.9(a)(2); 40 CFR 72.30(a)]

### 7.2 STANDARD CONDITIONS

7.2.1 General obligation. The requirements of 40 CFR 75 and regulations implementing section 407 of the FCAA shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the act, applicable requirements of Title 173 WAC, and other provisions of the operating permit for the source. [WAC 173-406-106(2)(c), 11/23/94]

7.2.2 Applicability. Any provision of the acid rain program that applies to the affected source, or the affected unit, shall also apply to the owners and operators. [WAC 173-406-106(7)(c) & (7)(f), 11/23/94]

7.2.3 Designated representative. The designated representative of the source shall represent and, by his or her actions, inactions, or submissions, legally bind each owner and operator of the affected source represented and each affected unit at the source in all matters pertaining to the Acid Rain Program, notwithstanding any agreement between the designated representative and such owners and operators. The owners and operators shall be bound by any order issued to the designated representative by the USEPA, Ecology, or a court. [WAC 173-406-201(1), 11/23/94; 40 CFR 72.20(b)]

7.2.4 Authorized account representative.

7.2.4.1 Following the establishment of an Allowance Tracking System account, all matters pertaining to the account, including, but not limited to, the deduction and transfer of allowances in the account, shall be undertaken only by the authorized account representative. The authorized account representative for a general account shall notify, in writing, all persons who have an ownership interest with respect to the allowances held in the account of any Acid Rain Program submission required by 40 CFR 73 or in a procedure under 40 CFR 78, by the date of submission. Each person who has an ownership interest with respect to the allowances held in the account may expressly waive his or her right to receive such notification. [40 CFR 73.33(a), (c)]

7.2.4.2 Identification of allowances by serial number. By no later than **March 1<sup>st</sup>** of each calendar year, for the previous calendar year, the authorized account representative for each affected unit account may identify by serial number the allowances to be deducted from the compliance subaccount for purposes of compliance with the unit's SO<sub>2</sub> emissions limitation requirements. Such identification shall be made pursuant to 40 CFR 72. [40 CFR 73.35(c)(1)]

[WAC 173-406-106(3), 11/23/94]

7.2.5 SO<sub>2</sub> allowances. The owners and operators shall hold allowances, as of the allowance transfer deadline, in the affected unit's compliance subaccount (after deductions under 40 CFR 73.34(c)) not less than the total annual emissions of SO<sub>2</sub> for the previous calendar year from the affected unit. [WAC 173-406-106(3)(a)(i), 11/23/94; 40 CFR 72.9(c)(1); 40 CFR 72.9(c)(3)(iv)]

7.2.6 Permit revisions.

7.2.6.1 Permit Revisions shall be made according to 40 CFR 72 subpart H. [40 CFR 72 subpart H]

7.2.6.2 Any designated representative who fails to submit any relevant information or who has submitted incorrect information in a permit revision shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary information or corrected information to Ecology.

[WAC 173-406-701, 11/23/94; 40 CFR 72.80(g)]

7.2.7 Duty to reapply.

7.2.7.1 This permit is issued for a term, not to exceed five (5) years. The owners and operators right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted no later than **January 4, 2011**. The designated representative shall submit a complete Acid Rain permit application, to Ecology, and shall include the following elements in a format prescribed by Ecology:

7.2.7.1.1 The original and three copies of all permit applications

7.2.7.1.2 Identification of the affected source for which the permit application is submitted;

7.2.7.1.3 Identification of each affected unit at the source for which the permit application is submitted;

- 7.2.7.1.4 A complete compliance plan, including certification that, for SO<sub>2</sub> emissions, as of the allowance transfer deadline, the designated representative will hold allowances in the affected unit's compliance subaccount (after deductions under 40 CFR 73.34(c) of this chapter), not less than the total annual emissions of SO<sub>2</sub> from the affected unit.
- 7.2.7.1.5 The standard requirements under 40 CFR 72.9.
- 7.2.7.1.6 The date that the affected unit has commenced or will commence operation and the deadline for monitor certification.  
[WAC 173-406-106(1)(a)(i), 11/23/94; WAC 173-406-106(3) & (4), 11/23/94; WAC 173-406-302, 11/23/94; WAC 173-406-401(1), 11/23/94]
- 7.2.7.2 Submit in a timely manner any supplemental information that Ecology determines is necessary in order to review the Acid Rain permit application and issue or deny an Acid Rain permit.  
[WAC 173-406-106(1)(a)(ii), 11/23/94; 40 CFR 72.9(a)(1)(iii); 40 CFR 72.30(a),(c), (d); 40 CFR 72.31; 40 CFR 72.40(a)]  
[WAC 173-605(1), 11/23/94; RCW 70.94.221, 2000 (S)]

### 7.3 Monitoring

- 7.3.1 Duty to monitor. The owners and operators and, to the extent applicable, designated representative shall comply with the monitoring requirements as provided in 40 CFR 75. No owner or operator of an affected unit shall operate the unit without complying with the requirements of 40 CFR 75.2 through 75.75 and appendices A through G. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 72.9(b)(1); 40 CFR 75.5(b)]
- 7.3.2 Monitoring provisions. The owner or operator shall install, certify, operate, and maintain, in accordance with all the requirements of 40 CFR 75, a NO<sub>x</sub> CEMS (consisting of a NO<sub>x</sub> pollutant concentration monitor and an O<sub>2</sub> diluent gas monitor) with the automated data acquisition and handling system for measuring and recording NO<sub>x</sub> concentration (in ppm), O<sub>2</sub> concentration (in percent O<sub>2</sub>) and NO<sub>x</sub> emission rate (in lb/mmBtu) discharged to the atmosphere. The owner or operator shall account for total NO<sub>x</sub> emissions, both NO and NO<sub>x</sub>, either by monitoring for both NO and NO<sub>x</sub> or by monitoring for NO only and adjusting the emissions data to account for NO<sub>x</sub>. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.10(a)(2)]
- 7.3.3 CEMS. The owner or operator shall operate, calibrate and maintain each CEMS used to report emission data under the Acid Rain Program according to 40 CFR 75.21. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.21]
- 7.3.4 SO<sub>2</sub> emission monitoring. The owner or operator shall ensure that an excepted monitoring system under 40 CFR 75 appendix D meets the applicable general operating requirements of 40 CFR 75.10, the applicable requirements of appendix D, and the initial certification or recertification requirements of 40 CFR 75.20(g). [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.20(g)]
- 7.3.5 NO<sub>x</sub> CEMS. The owner or operator shall meet the general operating requirements in 40 CFR 75.10 for a NO<sub>x</sub>-diluent CEMS, except as provided in accordance with subpart E of this part. However, the heat input apportionment provisions in section 2.1.2 of 40 CFR 75 appendix D shall not be used to meet the NO<sub>x</sub> mass reporting provisions of this subpart, except as provided in 40 CFR 75.72(a). [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.71(c)(2)]
- 7.3.6 Primary equipment performance requirements. The owner or operator shall ensure that each CEMS required by 40 CFR 75 meets the equipment, installation, and performance specifications in 40 CFR 75 appendix A; and is maintained according to the quality assurance and quality control procedures in 40 CFR 75 appendix B; and shall record NO<sub>x</sub> emissions in the appropriate units of measurement (i.e., lb/mmBtu for NO<sub>x</sub>). [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.10(b)]
- 7.3.7 CEMS recertification.
  - 7.3.7.1 The owner or operator shall recertify the CEMS according to 40 CFR 75.20, whenever:
    - 7.3.7.1.1 A replacement, modification, or change in a certified CEMS that may significantly affect the ability of the system to accurately measure or record the NO<sub>x</sub> emission rate, or to meet the requirements of 40 CFR 75.21 or 40 CFR 75 appendix B.
    - 7.3.7.1.2 A replacement, modification, or change to the flue gas handling system or the affected unit operation may significantly change the flow or concentration profile.
    - 7.3.7.1.3 The monitor path length changes.
    - 7.3.7.1.4 Any change to a gas monitoring system for which a RATA is not necessary.

- 7.3.7.2 The data validation procedures in 40 CFR 75.20(b)(3) shall be applied to RATAs associated with changes to flow or moisture monitor coefficients, and to linearity checks, 7-day calibration error tests, and cycle time tests, when these are required as diagnostic tests.
- 7.3.7.3 Tests required.
- 7.3.7.3.1 For all recertification testing, the owner or operator shall complete all initial certification tests in 40 CFR 75.20(c) that are applicable to the monitoring system, including.
- 7.3.7.3.1.1 For each NO<sub>x</sub>-diluent CEMS:
- 7.3.7.3.1.2 O<sub>2</sub> diluent gas monitor certified for use in a NO<sub>x</sub> CEMS may be submitted to meet the requirements of 40 CFR 75.20 (c)(4).
- 7.3.7.3.1.3 For the automated data acquisition and handling system
- 7.3.7.3.2 For diagnostic testing after changing the K factor or mathematical algorithm of a moisture monitoring system, the owner or operator shall complete a RATA.
- 7.3.7.4 Notification. The owner, operator, or designated representative shall submit notice of testing dates for recertification under this paragraph as specified in 40 CFR 75.61(a)(1)(ii).
- 7.3.7.5 Data validation. The data validation provisions in 40 CFR 75.20(b)(3)(i) through (b)(3)(ix) shall apply to all CEMS recertifications and diagnostic testing. The provisions in 40 CFR 75.20(b)(3)(ii) through (b)(3)(ix) may also be applied to initial certifications and may be used to supplement the linearity check and RATA data validation procedures in sections 2.2.3(b) and 2.3.2(b) of 40 CFR 75 appendix B.
- 7.3.7.6 Recertification application. The designated representative shall apply for recertification of each CEMS used under the Acid Rain Program. The owner or operator shall submit the recertification application in accordance with 40 CFR 75.60, and each complete recertification application shall include the information specified in 40 CFR 75.63.

[WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.20(b), (c)]

7.3.8 Monitoring plan.

- 7.3.8.1 General provisions. The owner or operator shall meet the requirements of 40 CFR 75.53 paragraphs (a), (b), (e) and (f).
- 7.3.8.2 The owner or operator shall prepare and maintain a monitoring plan. Except as provided in 40 CFR 75.53(f) (as applicable), a monitoring plan shall contain sufficient information on the CEMS, excepted monitoring systems under 40 CFR 75 appendix D and the use of data derived from these systems to demonstrate that all unit NO<sub>x</sub> emissions are monitored and reported.
- 7.3.8.3 Whenever the owner or operator makes a replacement, modification, or change in the certified CEMS, excepted monitoring system under 40 CFR 75 appendix D, including a change in the automated data acquisition and handling system or in the flue gas handling system, that affects information reported in the monitoring plan, then the owner or operator shall update the monitoring plan.
- 7.3.8.4 Contents of the monitoring plan. Each monitoring plan shall contain the information in 40 CFR 75.53(e)(1) and (f)(1)(i) and (f)(g) in electronic format and the information in 40 CFR 75.53(e)(2) and (f)(1)(ii) in hardcopy format. Electronic storage of all monitoring plan information, including the hardcopy portions, is permissible provided that a paper copy of the information can be furnished upon request for audit purposes. Additionally, for each monitoring system recertification, maintenance, or other event, the designated representative shall include the information in 40 CFR 75.53(f)(4) in electronic format.

[WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.53(a), (b), (e), (f)]

7.3.9 Primary equipment hourly operating requirements. The owner or operator shall ensure that all CEMS required by 40 CFR 75 are in operation and monitoring unit emissions at all times that the affected unit combusts any fuel except as provided in 40 CFR 75.11(e) and during periods of calibration, quality assurance, or preventive maintenance, performed pursuant 40 CFR 75.21 and appendix B, periods of repair, periods of backups of data from the data acquisition and handling system, or recertification performed pursuant to 40 CFR 75.20. The owner or operator shall ensure that the following requirements are met:

- 7.3.9.1 Each CEMS and component thereof is capable of completing a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-min interval. The owner or operator shall reduce all O<sub>2</sub> concentration, NO<sub>x</sub> concentration, and NO<sub>x</sub> emission rate data collected by the monitors to hourly averages. Hourly averages shall be computed using at least one data point in each fifteen minute quadrant of an hour, where the unit combusted fuel during that quadrant of an hour. Notwithstanding this requirement, an hourly average may be computed from at least two data points separated by a minimum of 15 minutes (where the unit operates for more than one quadrant of an hour) if data are unavailable as a result of the performance of calibration, quality assurance, or preventive maintenance activities pursuant to 40 CFR 75.21 and appendix B, backups of data from the data acquisition and handling system, or recertification, pursuant to 40 CFR 75.20. The owner or operator shall use all valid measurements or data points collected

during an hour to calculate the hourly averages. All data points collected during an hour shall be, to the extent practicable, evenly spaced over the hour.

- 7.3.9.2 If a valid hour of data is not obtained, the owner or operator shall estimate and record emissions for the missing hour by means of the automated data acquisition and handling system, in accordance with the applicable procedure for missing data substitution in 40 CFR 75 subpart D.

[WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.10(d)]

7.3.10 CEMS obligation.

- 7.3.10.1 No owner or operator shall disrupt the CEMS, any portion thereof, or any other approved emission monitoring method, and thereby avoid monitoring and recording NO<sub>x</sub> emissions discharged to the atmosphere, except for periods of recertification, or periods when calibration, quality assurance, or maintenance is performed pursuant to 40 CFR 75.21 and appendix B. [40 CFR 75.5(e)]

- 7.3.10.2 No owner or operator shall retire or permanently discontinue use of the CEMS, any component thereof, or any other approved emission monitoring system under 40 CFR 75, except under any one of the circumstances listed in 40 CFR 75.5(f).

[WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.5(e), (f)]

- 7.3.11 Heat input measurement requirement. The owner or operator shall determine and record the heat input to each affected unit for every hour or part of an hour any fuel is combusted following the procedures in 40 CFR 75 appendix F. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.10(c)]

- 7.3.12 Minimum measurement capability requirement. The owner or operator shall ensure that each CEMS and component thereof is capable of accurately measuring, recording, and reporting data, and shall not incur an exceedance of the full scale range, except as provided in sections 2.1.1.5, 2.1.2.5, and 2.1.4.3 of 40 CFR 75 appendix A. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.10(f)]

- 7.3.13 Minimum recording and reporting requirements. The owner or operator shall record and the designated representative shall report the hourly, daily, quarterly, and annual information collected under the requirements of this part as specified in 40 CFR 75 subparts F and G. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.10(g)]

- 7.3.14 Precision criteria. Data collection, analysis, screening, calculation adjustments, and statistical tests shall be performed according to 40 CFR 75.41. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.41]

7.4 Recordkeeping

7.4.1 Record retention.

- 7.4.1.1 The owners and operators shall keep on site at the affected source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the USEPA or Ecology.

- 7.4.1.1.1 The certificate of representation and all documents that demonstrate the truth of the statements in the certificate of representation, provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation

- 7.4.1.1.2 All emissions monitoring information, in accordance with part 40 CFR 75, provided that to the extent that 40 CFR 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.

- 7.4.1.1.3 Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program.

- 7.4.1.1.4 Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.

[WAC 173-406-106(6), 11/23/94; 40 CFR 72.9(f)(1)]

- 7.4.1.2 Recordkeeping requirement. The owner or operator shall maintain for each affected unit a file of all data and information required under 40 CFR 75.57(a), at the source, in a form suitable for inspection, for at least three (3) years from the date of each record. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.57]

- 7.4.2 CEMS records. The owner or operator shall record the applicable information in 40 CFR 75.59 for each certified monitor or certified monitoring system measuring and recording emissions from an affected unit, including;

- 7.4.2.1 For each NO<sub>x</sub> pollutant concentration monitor or diluent gas monitor (including wet- and dry-basis O<sub>2</sub> monitors used to determine percent moisture), the owner or operator shall record the information in 40 CFR 75.59(a) for all calibration error tests and all off-line calibration demonstrations, including any follow-up tests after corrective action.



- 7.4.2.2 The owner or operator shall record the applicable information from 40 CFR 75.59(b) for each accepted monitoring system following the requirements of 40 CFR 75 appendix D for determining excepted monitoring and recording emissions from an affected unit.
- 7.4.2.3 The owner or operator shall keep the records, required by 40 CFR 75.59(c) on-site in the quality assurance/quality control plan required by section 1 of 40 CFR 75 appendix B.  
[WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.59]
- 7.4.3 General recordkeeping. The owner or operator shall maintain a file of all measurements, data, reports, and other information required by 40 CFR 75 at the source in a form suitable for inspection for at least three (3) years from the date of each record. Except for the certification data required in 40 CFR 75.57(a)(4) and the initial submission of the monitoring plan required in 40 CFR 75.57(a)(5), the data shall be collected beginning with the earlier of the date of provisional certification or the deadline in 40 CFR 75.70. The certification data required in 40 CFR 75.57(a)(4) shall be collected beginning with the date of the first certification test performed. The file shall contain the information specified in 40 CFR 75.73(a). [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.73(a)]
- 7.4.4 Monitoring plan recordkeeping. Whenever the owner or operator makes a replacement, modification, or change in the certified CEMS, excepted methodology 40 CFR Sec. 75.19, excepted monitoring system under 40 CFR 75 appendix E, including a change in the automated data acquisition and handling system or in the flue gas handling system, that affects information reported in the monitoring plan, then the owner or operator shall update the monitoring plan.  
[WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.73(c)]
- 7.4.5 Emissions. No owner or operator shall operate the affected unit so as to discharge, or allow to be discharged, emissions of SO<sub>2</sub>, NO<sub>x</sub>, or CO<sub>2</sub> to the atmosphere without accounting for all such emissions in accordance with the provisions of 40 CFR 75.10 through 75.19. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.5(d)]
- 7.4.6 SO<sub>2</sub> emissions. The owner or operator shall measure and record SO<sub>2</sub> emissions by providing other information satisfactory to EPA using the applicable procedures specified in 40 CFR 75 appendix D for estimating hourly SO<sub>2</sub> mass emissions. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.11(d)]
- 7.4.7 SO<sub>2</sub> allowances.
- 7.4.7.1 The following formula shall be used to determine the total number of allowances to be deducted for the calendar year from the allowances held in an affected unit's compliance subaccount as of the allowance transfer deadline applicable to that year:
- Total allowances deducted = Tons emitted + Allowances surrendered for underutilization
- where:
- "Tons emitted" is the total tons of SO<sub>2</sub> emitted by the unit during the calendar year, as reported in accordance with 40 CFR 75.
- "Allowances surrendered for underutilization" is the total number of allowances calculated in accordance with 40 CFR 72.92 (a) and (c).  
[40 CFR 72.95]
- 7.4.7.2 Calculation rounding. All allowances under 40 CFR 72 and 73 shall be allocated as whole allowances. All calculations for such allowances shall be rounded down for decimals less than 0.500 and up for decimals of 0.500 or greater. [40 CFR 73.12(a)]  
[WAC 173-406-106(3), 11/23/94]
- 7.4.8 NO<sub>x</sub> emissions. The owner or operator shall calculate hourly, quarterly, and annual NO<sub>x</sub> emission rates (in lb/mmBtu) by combining the NO<sub>x</sub> concentration (in ppm), and diluent concentration (in percent O<sub>2</sub>), measurements according to the procedures in 40 CFR 75 appendix F. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.12(c)]
- 7.4.9 NO<sub>x</sub> mass emissions. Except as provided in paragraphs (e) and (f) of 40 CFR 75.72, the owner or operator shall calculate hourly NO<sub>x</sub> mass emissions (in lbs) by multiplying the hourly NO<sub>x</sub> emission rate (in lbs/mmBtu) by the hourly heat input (in mmBtu/hr) and the hourly operating time (in hr). The owner or operator shall also calculate quarterly and cumulative year-to-date NO<sub>x</sub> mass emissions and cumulative NO<sub>x</sub> mass emissions for the ozone season (in tons) by summing the hourly NO<sub>x</sub> mass emissions according to the procedures in section 8 of 40 CFR 75 appendix F. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.72 1<sup>st</sup> paragraph]
- 7.4.10 Out-of-control periods and system bias.
- 7.4.10.1 If an out-of-control period occurs to a monitor or CEMS, the owner or operator shall take corrective action and repeat the tests applicable to the "out-of-control parameter" as described in 40 CFR 75 appendix B.

- 7.4.10.2 When a monitor or CEMS is out-of-control, any data recorded by the monitor or monitoring system are not quality-assured and shall not be used in calculating monitor data availabilities pursuant to 40 CFR 75.32.
- 7.4.10.3 When a monitor or CEMS is out-of-control, the owner or operator shall take action under 40 CFR 75.24(c) until the monitor or monitoring system has successfully met the relevant criteria in 40 CFR 75 appendices A and B as demonstrated by subsequent tests.
- 7.4.10.4 When the bias test indicates that a NO<sub>x</sub> concentration monitoring system used to determine NO<sub>x</sub> mass emissions, as defined in 40 CFR 75.71(a)(2), is biased low the owner or operator shall adjust the monitor or CEMS to eliminate the cause of bias such that it passes the bias test or calculate and use the bias adjustment factor as specified in section 2.3.4 of 40 CFR 75 appendix B.

[WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.24(a), (b), (c), (d)]

- 7.4.11 Missing data procedures for NO<sub>x</sub>. The owner or operator shall either record the applicable information in 40 CFR 75.58(b)(3) for each hour of missing NO<sub>x</sub> emission rate (in addition to other information), or shall record the information in 40 CFR 75.58(b)(2). [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.58]

- 7.4.12 NO<sub>x</sub> emission controls.

7.4.12.1 The owner or operator shall use one of the options in 40 CFR 75.34(a) for each hour in which quality-assured data from the outlet NO<sub>x</sub> monitoring system(s) are not obtained.

7.4.12.2 The owner or operator shall keep records of information as described in 40 CFR 75 subpart F to verify the proper operation of the NO<sub>x</sub> emission controls during all periods of NO<sub>x</sub> emission missing data.

[WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.34(a), (d)]

- 7.4.13 Missing data procedures for heat input determinations. When hourly heat input is determined using a diluent gas (O<sub>2</sub>) monitor, substitute data must be provided to calculate the heat input whenever quality assured data are unavailable from the flow monitor, the diluent gas monitor, or both, according to 40 CFR 75.36. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.36]

- 7.4.14 Missing data procedures for moisture. The owner or operator of an affected unit with a continuous moisture monitoring system shall substitute for missing moisture data using the procedures of 40 CFR 75.37. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.37]

## 7.5 Reporting

- 7.5.1 Addresses. All reporting, shall be sent to the identified entity at the corresponding address(es), as listed below:

**Department of Ecology**

Section Manager  
Central Regional Office  
15 West Yakima Avenue, Suite 200  
Yakima, WA 98902

**USEPA**

Acid Rain Program (6204N)  
1200 Pennsylvania Avenue, NW  
Washington DC 20460

**EPA Region 10**

Director  
EPA Office of Air Quality  
1200 Sixth Avenue, OAQ 107  
Seattle, WA 98101

**Director**

Acid Rain Division (6204J)  
401 M Street, SW  
Washington DC 20460

- 7.5.2 Certification by designated representative. Each submission under the Acid Rain Program shall be submitted, signed, and certified by the designated representative. The designated representative shall certify, by his or her signature:

7.5.2.1 "I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made."

7.5.2.2 "I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."

[WAC 173-406-201(2) & (3), 11/23/94; 40 CFR 72.21(a), (b)]

7.5.3 Designated representative reporting. The designated representative shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR 72 subpart I and 40 CFR 75. [40 CFR 72.9(f)(2)] The designated representative shall comply with all reporting requirements of 40 CFR 75 and with the signatory requirements of 40 CFR 72.21 for all submissions. The designated representative shall comply with all reporting requirements in 40 CFR 75.73. The designated representative shall submit all reports and petitions (except as provided in Sec. 75.61) as follows:

7.5.3.1 Initial certifications. The designated representative shall submit initial certification applications according to 40 CFR 75.63, and initial certification and recertification applications in accordance with 40 CFR 75.70(d).

7.5.3.2 Recertifications. The designated representative shall submit recertification applications according to 40 CFR 75.63.

7.5.3.3 Monitoring plans. The designated representative shall submit monitoring plans according to 40 CFR 75.62 and in accordance with 40 CFR 75.70(e). Monitoring plan reporting shall be completed as follows:

7.5.3.3.1 Electronic submission. The designated representative shall submit a complete, electronic, up-to-date monitoring plan file (except for hardcopy portions identified in paragraph (e)(2) of this section) as follows:

7.5.3.3.1.1 To Ecology, no later than 45 days prior to the initial certification test and at the time of recertification application submission; and

7.5.3.3.1.2 To the USEPA, no later than 45 days prior to the initial certification test, at the time of submission of a recertification application, and in each electronic quarterly report.

7.5.3.3.2 Hardcopy submission. The designated representative shall submit all of the hardcopy information required under 40 CFR 75.53, to Ecology prior to initial certification. Thereafter, the designated representative shall submit hardcopy information only if that portion of the monitoring plan is revised. The designated representative shall submit the required hardcopy information as follows: no later than 45 days prior to the initial certification test; with any recertification application, if a hardcopy monitoring plan change is associated with the recertification event; and within 30 days of any other event with which a hardcopy monitoring plan change is associated, pursuant to 40 CFR 75.53(b).

7.5.3.4 Electronic quarterly reports. The designated representative shall submit electronic quarterly reports according to 40 CFR 75.64 and in accordance with 40 CFR 75.70(f). Quarterly reports shall be submitted as follows:

7.5.3.4.1 Electronic submission. The designated representative shall electronically report the data and information in 40 CFR 75.73(f)(1), (2) and (3) to the USEPA quarterly. Each electronic report must be submitted to the USEPA within 30 days following the end of each calendar quarter. Each electronic report shall include the date of report generation, for the information provided in 40 CFR 75.73(f)(1)(ii) through (1)(vi), and shall also include the requirements listed at 40 CFR 75.73(f)(1).

7.5.3.4.2 The designated representative shall certify that the component and system identification codes and formulas in the quarterly electronic reports submitted to the USEPA pursuant to 40 CFR 75.73(e) represent current operating conditions.

7.5.3.4.3 Compliance certification. The designated representative shall submit and sign a compliance certification in support of each quarterly emissions monitoring report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall include the required statements of 40 CFR 75.73(f)(3).

7.5.3.4.4 The designated representative shall comply with all of the quarterly reporting requirements in 40 CFR 75.64(d), (f), and (g).

7.5.3.5 Notifications. The designated representative shall submit written notice to Ecology according to the provisions in 40 CFR 75.61.

7.5.3.6 Other petitions and communications. The designated representative shall submit petitions, correspondence, application forms, designated representative signature, and petition-related test results in hardcopy to the USEPA in accordance with 40 CFR 75.70(h). Additional petition requirements are specified in 40 CFR 75.66 and 75.67.

[WAC 173-406-106(6)(c), 11/23/94; 40 CFR 75.60(a), (b); 40 CFR 75.73]

7.5.4 Submissions. The designated representative for an affected unit (or owner or operator, as specified) shall submit notice to the USEPA, to the EPA Region 10 Office, and Ecology for the following purposes:

7.5.4.1 Recertification. The owner or operator or designated representative shall submit written notification of recertification tests, and revised test dates as specified in 40 CFR 75.20 for CEMS, except as provided in paragraphs 40 CFR 75.61(a)(1)(iii), (a)(1)(iv) and (a)(4) and except for testing only of the data acquisition and handling system. Each application for initial certification or recertification shall contain the information, and be in the format, specified in 40 CFR 75.63(b) and (c).

7.5.4.2 Recertifications.

7.5.4.2.1 Within 45 days after completing all recertification tests, submit to the USEPA the electronic information required by 40 CFR 75.63(b)(1) and a hardcopy certification application form (EPA form 7610-14). Except for subpart E applications for alternative monitoring systems or unless specifically requested by the USEPA, do not submit a hardcopy of the test data and results to the USEPA.

7.5.4.2.2 Within 45 days after completing all recertification tests, submit the hardcopy information required by 40 CFR 75.63(b)(2) to the EPA Region 10 Office and Ecology

7.5.4.3 Periodic relative accuracy test audits. The owner or operator or designated representative shall submit written notice of the date of periodic relative accuracy testing performed under appendix B of this part no later than 21 days prior to the first scheduled day of testing. Testing may be performed on a date other than that already provided in a notice, as long as notice of the new date is provided either in writing or by telephone or other means acceptable to the respective State agency or office of EPA, and the notice is provided as soon as practicable after the new testing date is known, but no later than twenty-four (24) hours in advance of the new date of testing. Written notification may be provided either by mail, facsimile, or electronic mail.

[WAC 173-406-106(6)(c), 11/23/94; 40 CFR 75.61(a); 40 CFR 75.63]

7.5.5 Monitoring plan.

7.5.5.1 Electronic. Using the format specified by the USEPA, the designated representative shall submit a complete, electronic, up-to-date monitoring plan file (except for hardcopy portions identified in (2) of this section) to the USEPA at the time of recertification application submission and in each electronic quarterly report.

7.5.5.2 Hardcopy. The designated representative shall submit all of the hardcopy information required in 40 CFR 75.53 to the EPA Region 10 Office and Ecology prior to initial certification. Thereafter, the designated representative shall submit hardcopy information only if that portion of the monitoring plan is revised. The designated representative shall submit the required hardcopy information as follows: with any recertification application, if a hardcopy monitoring plan change is associated with the recertification event and within 30 days of any other event with which a hardcopy monitoring plan change is associated, pursuant to 40 CFR 75.53(b). Electronic submittal of all monitoring plan information, including hardcopy portions, is permissible provided that a paper copy of the hardcopy portions can be furnished upon request.

7.5.5.3 Contents. Monitoring plans shall contain the information specified in 40 CFR 75.53.

[WAC 173-406-106(6)(c), 11/23/94; 40 CFR 75.62]

7.5.6 Quarterly reports.

7.5.6.1 Electronic submission. The designated representative shall electronically report the data and information in 40 CFR 75.64(a), (b), and (c) to the USEPA quarterly, beginning with the data from the later of: the calendar quarter corresponding to the date of provisional certification; or the calendar quarter corresponding to the relevant deadline for initial certification in 40 CFR 75.4(a), (b), or (c), whichever quarter is earlier. The initial quarterly report shall contain hourly data beginning with the hour of provisional certification or the hour corresponding to the relevant certification deadline, whichever is earlier. For any provisionally-certified monitoring system, 40 CFR 75.20(a)(3) shall apply for initial certifications, and 40 CFR 75.20(b)(5) shall apply for recertifications. Each electronic report must be submitted to the USEPA within 30 days following the end of each calendar quarter. Each electronic report shall contain the information specified in 40 CFR 75.64(a), (b).

7.5.6.2 Compliance certification. The designated representative shall submit a certification in support of each quarterly emissions monitoring report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall indicate whether the monitoring data submitted were recorded in accordance with the applicable requirements of this part including the quality control and quality assurance procedures and specifications of 40 CFR 75 and its appendices, and any such requirements, procedures and specifications of an applicable excepted or approved alternative monitoring method. The designated representative shall also include a certification, for all hours where data are substituted following the provisions of 40 CFR 75.34(a)(1), that the add-on emission controls

- were operating within the range of parameters listed in the monitoring plan and that the substitute values recorded during the quarter do not systematically underestimate NO<sub>x</sub> emissions, pursuant to 40 CFR 75.34.
- 7.5.6.3 Electronic format. Each quarterly report shall be submitted in a format to be specified by the USEPA, including both electronic submission of data and electronic or hardcopy submission of compliance certifications.
- 7.5.6.4 Method of submission. All quarterly reports shall be submitted to USEPA by direct computer-to-computer electronic transfer via modem and USEPA-provided software, unless otherwise approved by the USEPA.
- 7.5.6.5 Any cover letter text accompanying a quarterly report shall either be submitted in hardcopy to the USEPA or be provided in electronic format compatible with the other data required to be reported under 40 CFR 75.64. [WAC 173-406-106(6)(c), 11/23/94; 40 CFR 75.64]
- 7.5.7 Excess emissions requirements. The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR 77. The owners and operators shall comply with the terms of an approved offset plan, as required by 40 CFR 77. [WAC 173-406-106(5)(a), 11/23/94; 40 CFR 72.9(c)]
- 7.5.8 SO<sub>2</sub> emissions.
- 7.5.8.1 Allowance transfer submittals. All submittals under 40 CFR 73 subpart D, Allowance Transfers, shall be made by the designated representative to the Director and shall meet the requirements specified in 40 CFR 72.21. [40 CFR 73.13]
- 7.5.8.2 Submission of transfers. Authorized account representatives seeking recordation of an allowance transfer shall request such transfer by submitting to the USEPA, in a format to be specified by the USEPA, an Allowance Transfer Form. The request shall be made according to 40 CFR 73.50(b) [40 CFR 73.50(b)(1), (2)]
- 7.5.8.3 SO<sub>2</sub> excess emissions.
- 7.5.8.3.1 Not later than **March 1<sup>st</sup>** of the following calendar year during which an affected unit had excess emissions of SO<sub>2</sub> (except for any increase in excess emissions under 40 CFR 72.91(b) of this chapter), the designated representative shall submit to the USEPA a complete proposed offset plan, meeting the requirements of 40 CFR 77.3, to offset those emissions.
- 7.5.8.3.2 The designated representative shall hold enough allowances in the appropriate compliance subaccount to cover the deductions to be made in accordance with 40 CFR 77.5 (a) or (c). [40 CFR 77.5(b)]
- 7.5.8.4 SO<sub>2</sub> auctions. Sealed bids shall be sent to the USEPA using the Bid Form for SO<sub>2</sub> Allowance Auctions or some method of electronic transfer if the USEPA, following public notice, so requires or permits at some future time. The bid form shall include all elements identified in 40 CFR 73.71(b) and shall be accompanied by payment according to 40 CFR 73.71(c). [40 CFR 73.71]
- [WAC 173-406-106(3), 11/23/94]
- 7.5.9 Annual compliance certification. For each calendar year, the designated representative shall submit to USEPA and Ecology, by **March 1<sup>st</sup>** of the following calendar year, an annual compliance certification report for the unit. The compliance certification report shall contain all of the elements listed in 40 CFR 72.90(b), in a format prescribed by USEPA concerning the affected unit and the calendar year covered by the report. [WAC 173-406-106(6)(c), 11/23/94; WAC 173-406-801(1), 11/23/94; 40 CFR 72.90]
- 7.5.10 Duty to update. Within 30 days following any change in the owners and operators of an affected unit, including the addition of a new owner or operator, the designated representative or any alternative designated representative, shall submit, to USEPA and Ecology, a revision to the certificate of representation amending the list of owners and operators to include the change. [40 CFR 72.23(c)(2)]



# *Exhibit 3*

Petitioner's Comments on Draft Third Revision:  
Puget Sound Energy - Goldendale Generating Station, Title V Operating Permit  
(Number 06AQ-C025 Third Revision)







Bill Green <greenrchn@gmail.com>

## REQUEST for Application Links: AOP Modification, Puget Sound Energy - Goldendale Generating Station

Bill Green <greenrchn@gmail.com>

Thu, Jan 27, 2011 at 11:09 AM

To: "Haller, Lynnette A. (ECY)" <LHUL461@ecy.wa.gov>

TO: Lynnette Haller, PE  
Central Regional Air Quality Program  
Washington State Department of Ecology

FROM: Bill Green

DATE: January 27, 2011

SUBJECT: Heads-up, Missing Greenhouse Gas (GHG) requirements in AOP Modification, Puget Sound Energy - Goldendale Generating Station (GGS)

Ms. Haller:

I quickly reviewed the PDF files you just emailed regarding the upcoming AOP modification for the GGS. It appears Puget Sound Energy (PSG) overlooked the GHG requirements. (See WAC 173-441; 75 Fed. Reg. 31514, June 3, 2010)

According to WAC 173-401-600 (1) "Each permit shall contain terms and conditions that assure compliance with all applicable requirements at the time of permit issuance..." (See also, CAA section 504(a); 40 CFR 70.6(a)(1)) Because the GGS modification has not yet been issued and both federal and state GHG rules are in force, then the GHG requirements must be addressed before this modification is issued.

Quoting from the *Federal Register*:

"...Sources with title V permits must address GHG requirements when they apply for, renew, or revise their permits. These requirements will include any GHG applicable requirements (e.g., GHG BACT requirements from a PSD process) and associated monitoring, recordkeeping and reporting. When a permit application is otherwise required, they will also need to identify GHG emissions and other information in that application to the extent required under 40 CFR 70.5(c) and 71.5(c), including information necessary to determine applicable requirements..." (75 Fed. Reg. 31523, June 3, 2010) (emphasis is mine)

As a suggestion, Ecology may wish to request additional information from GGS to address the GHG requirements before proceeding with this AOP modification. [See WAC 173-401-500 (4); 40 CFR 70.5(b)]. Just a heads-up...

(Quoted text hidden)

February 23, 2011

**SENT CERTIFIED MAIL: 7010 1870 0001 6003 6769**

Ms. Lynnette Haller  
Washington State Department of Ecology,  
Central Regional Office (CRO)  
15 West Yakima Avenue, Suite #200  
Yakima, WA 98902-3401

Re: Public Comments: Puget Sound Energy - Goldendale Generating Station.  
Draft AOP revision # 06AQ-C-025 Third Revision

Dear Ms. Haller:

Attached are my comments on the Puget Sound Energy - Goldendale Generating Station (GGS) Draft AOP revision. I hope you find these useful in crafting an air operating permit (AOP) that fully complies with the *Clean Air Act* (CAA) and the *Washington Clean Air Act*.

At the time an AOP is issued it must contain all applicable requirements. Overlooked in this draft AOP revision are two (2) new AOP-applicable requirements, WAC 173-441 and 40 C.F.R. 98; WAC 173-441 became effective on January 1, 2011 and 40 C.F.R. 98 became effective on January 2, 2011. Also overlooked is information sufficient to determine both the extent to which these new applicable requirements apply to GGS and the actions GGS must take to demonstrate compliance with the new applicable requirements.

Please accept my attached comments with the understanding they are based on review of an incomplete draft AOP revision and incomplete supporting information. My hope is Ecology CRO will provide another opportunity for public participation on the GGS AOP revision: one that includes a draft permit containing all applicable requirements accompanied by all the relevant information CRO used to create these requirements.

Regards,

A handwritten signature in black ink, appearing to read "Bill Green", with a long, sweeping horizontal line extending to the right.

Bill Green  
424 Shoreline Ct.  
Richland, WA 99354

Attachment

1. The Goldendale Generating Station (GGS) draft air operating permit (AOP) revision fails to address the *Clean Air Act* (CAA) Title V applicable requirement regarding greenhouse gases (GHGs). (See the *Tailoring Rule*, 75 Fed. Reg. 31514, June 3, 2010; see also 40 C.F.R. 98). For sources with a Title V permit, addressing GHG requirements is required effective January 2, 2011. In addressing regulatory ramifications of the *Tailoring Rule*, EPA explained:

“...Sources with title V permits must address GHG requirements when they apply for, renew, or revise their permits. These requirements will include any GHG applicable requirements (e.g., GHG BACT requirements from a PSD process) and associated monitoring, recordkeeping and reporting. When a permit application is otherwise required, they will also need to identify GHG emissions and other information in that application to the extent required under 40 CFR 70.5(c) and 71.5(c), including information necessary to determine applicable requirements. ...”  
(75 Fed. Reg. 31523, June 3, 2010) (emphasis is mine)

Because this is a revision to an existing CAA Title V permit that will occur after January 2, 2011, the date GHG requirements became effective, this revision must also address GHG requirements contained in 40 C.F.R. 98. This AOP revision can be issued only if it provides for compliance with all applicable requirements.  
[See 40 C.F.R. 70.7 (a)(1)]

2. The GGS draft AOP revision overlooks the Washington State AOP-applicable requirements codified in WAC 173-441. This regulation became effective January 1, 2011. In accordance with WAC 173-401-700 (1), this AOP revision can be issued only if it provides for compliance with all applicable requirements.
3. The GGS draft AOP revision must also address requirements in both WAC 173-441 and 40 C.F.R. 98 that are not yet in effect, but will become effective sometime during the term of the GGS AOP.
4. Please augment the *Statement of Basis* to reflect the factual and legal basis for applicable requirements resulting from enactment of WAC 173-441 and 40 C.F.R. 98. Ecology is required by 40 C.F.R. 70.7 (a)(5) and WAC 173-401-700 (8) to prepare a *Statement of Basis* that sets forth the legal and factual basis for the draft permit conditions (including references to the applicable statutory or regulatory provisions).
5. Provide the public with the opportunity to review and comment on a draft GGS AOP revision that contains all applicable requirements along with the relevant information used by Ecology CRO to create those applicable requirements. Public participation requirements cannot be met when the version of the AOP offered to the public for review fails to contain all applicable requirements (including associated monitoring, recordkeeping, and reporting requirements) and the review material available to the public does not contain all relevant information (e.g., GHG calculations, underlying data) Ecology CRO uses to create the applicable requirements.



# *Exhibit 4*

Ecology CRO Response to Petitioner's Comments on Draft Third Revision:  
Puget Sound Energy - Goldendale Generating Station, Title V Operating Permit  
(Number 06AQ-C025 Third Revision)







STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

15 West Yakima Avenue, Suite 200 • Yakima Washington 98902-3452 • (509) 575-2490

This is a PROPOSED SIGNIFICANTLY MODIFIED AOP & Phase II Acid Rain Permit

Permit writer: Lynnette Haller, Ecology - CRO  
Telephone: 509/457-7126

Source name: Goldendale Generating Station  
AFS or permit #: 06AQ-C025 Third Revision

PROGRAM IMPLEMENTATION

Does this permit contain requirements for:

1. CAM?	yes	<u>NO</u>	5. NESHAP/MACT?	yes	<u>NO</u>
2. Acid rain program?	<u>YES</u>	no	6. NSPS?	<u>YES</u>	no
3. PSD?	yes	<u>NO</u>	7. CFCs?	yes	<u>NO</u>
4. Section 129?	yes	<u>NO</u>	8. PTE limits?	<u>YES</u>	no

Is this source in a Nonattainment area for:	PM <sub>10</sub>	yes	<u>NO</u>
	CO	yes	<u>NO</u>
	O <sub>3</sub>	yes	<u>NO</u>

COMPLIANCE STATUS

Is this source in compliance with all requirements? YES no  
If not, what are the compliance issues?

PERMITTING AUTHORITY ISSUES/EPA REVIEW

If you want EPA to review this permit, which part do you want reviewed and why?  
NO

Has any streamlining been done in this permit? NO

Are there other issues you would like to call to EPA's attention? YES Note the  
**comments and responses regarding inclusion of greenhouse gas requirements,**  
**in this permit revision.**



STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

15 W Yakima Ave, Ste 200 • Yakima, WA 98902-3452 • (509) 575-2490

March 25, 2011

Bill Green  
424 Shoreline Ct.  
Richland, WA 99354

Re: Goldendale Generating Station, Comments on Draft AOP No. 06AQ-C025 Third Revision

Dear Mr. Green,

Thank you for your comments on the Puget Sound Energy – Goldendale Generating Station Draft Air Operating Permit (AOP) No. 06AQ-C025 Third Revision. Ecology received both your January 27, 2011, and February 23, 2011, comment submittals.

Note that the permit revision under review is specific to the incorporation of a revised ammonia emission limit, with no associated increase in any other air contaminant, and the administrative specification of an alternate Responsible Official / Designated Representative.

And that, as specified in Washington Administrative Code (WAC) 173-401-730, a permit need only be revised to include new applicable requirements if the permit has a remaining term of three or more years. The current AOP No. 06AQ-C025 Second Revision, and any subsequent revision, will expire on January 4, 2012.

We considered your comments, however, for the above reasons no changes to the permit action were made as a result of your comments.

Nevertheless, we are, separate from this revision, processing the AOP Renewal Application. Greenhouse Gas (GHG) emissions will be quantified in the Statement of Basis for the Renewal AOP. All applicable GHG requirements will be included in the Renewal AOP.

As a preview, please note:

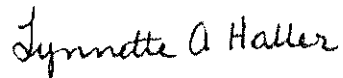
- Title 40 Code of Federal Regulations Part 98, Federal Mandatory Reporting of Greenhouse Gases, will not be an AOP applicable requirement. According to EPA guidance as published in the Federal Register (56288 FR 74:209, Friday, October 30, 2009), the requirements imposed by this rule are not applicable requirements under the Title V operating permit program.



- Chapter 173-441 WAC, Reporting of Emissions of Greenhouse Gases, will be an AOP applicable requirement, with an initial report required in 2013, for calendar year 2012.

If you have questions, please contact me, via telephone at (509) 457-7126 or via email at [lynnette.haller@ecy.wa.gov](mailto:lynnette.haller@ecy.wa.gov). My working hours are typically Monday – Friday, 9:00 a.m – 2:30 p.m.

Sincerely,



Lynnette Haller, PE  
Central Regional Air Quality Program

by certified mail [7007 2560 0001 7675 2423]

**Haller, Lynnette A. (ECY)**

---

**From:** Bill Green [greenrchn@gmail.com]  
**Sent:** Thursday, January 27, 2011 11:10 AM  
**To:** Haller, Lynnette A. (ECY)  
**Subject:** Re: REQUEST for Application Links: AOP Modification, Puget Sound Energy - Goldendale Generating Station

TO: Lynnette Haller, PE  
Central Regional Air Quality Program  
Washington State Department of Ecology

FROM: Bill Green

DATE: January 27, 2011

SUBJECT: Heads-up, Missing Greenhouse Gas (GHG) requirements in AOP Modification, Puget Sound Energy - Goldendale Generating Station (GGS)

Ms. Haller:

I quickly reviewed the PDF files you just emailed regarding the upcoming AOP modification for the GGS. It appears Puget Sound Energy (PSG) overlooked the GHG requirements. (See WAC 173-441; 75 Fed. Reg. 31514, June 3, 2010)

According to WAC 173-401-600 (1) "Each permit shall contain terms and conditions that assure compliance with all applicable requirements at the time of permit issuance..." (See also, CAA section 504(a); 40 CFR 70.6(a)(1)) Because the GGS modification has not yet been issued and both federal and state GHG rules are in force, then the GHG requirements must be addressed before this modification is issued.

Quoting from the *Federal Register*:

"...Sources with title V permits must address GHG requirements when they apply for, renew, or revise their permits. These requirements will include any GHG applicable requirements (e.g., GHG BACT requirements from a PSD process) and associated monitoring, recordkeeping and reporting. When a permit application is otherwise required, they will also need to identify GHG emissions and other information in that application to the extent required under 40 CFR 70.5(c) and 71.5(c), including information necessary to determine applicable requirements. ..." (75 Fed. Reg. 31523, June 3, 2010) (emphasis is mine)

As a suggestion, Ecology may wish to request additional information from GGS to address the GHG requirements before proceeding with this AOP modification. [See WAC 173-401-500 (4); 40 CFR 70.5(b)]. Just a heads-up...

On Thu, Jan 27, 2011 at 9:20 AM, Haller, Lynnette A. (ECY) <[LHUL461@ecy.wa.gov](mailto:LHUL461@ecy.wa.gov)> wrote:

Mr. Green,

I apologize. It appears that the documents have not been posted. I have contacted the appropriate party and hopefully they will be posted shortly. In the meantime, attached, please find the referenced documents.

Lynnette Haller, PE

Central Regional Air Quality Program

Washington State Department of Ecology

address: 15 W Yakima Ave., Suite 200, Yakima, WA 98902

phone: 509.457.7126

fax: 509.575.2809

email: [lynnette.haller@ecy.wa.gov](mailto:lynnette.haller@ecy.wa.gov)

**From:** Bill Green [mailto:[greenrchn@gmail.com](mailto:greenrchn@gmail.com)]

**Sent:** Wednesday, January 26, 2011 4:18 PM

**To:** Haller, Lynnette A. (ECY)

**Subject:** REQUEST for Application Links: AOP Modification, Puget Sound Energy - Goldendale Generating Station

Please send me links for any application material for the just announced modification of the Puget Sound Energy - Goldendale Generating Station Air Operating Permit. I was not successful in locating any information regarding this modification on CROs website.

Thanks.

Bill Green

February 23, 2011

RECEIVED

FEB 24 2011

DEPARTMENT OF ECOLOGY - CENTRAL REGIONAL OFFICE

**SENT CERTIFIED MAIL: 7010 1870 0001 6003 6769**

Ms. Lynnette Haller  
Washington State Department of Ecology,  
Central Regional Office (CRO)  
15 West Yakima Avenue, Suite #200  
Yakima, WA 98902-3401

Re: Public Comments: Puget Sound Energy - Goldendale Generating Station,  
Draft AOP revision # 06AQ-C025 Third Revision

Dear Ms. Haller:

Attached are my comments on the Puget Sound Energy - Goldendale Generating Station (GGS) Draft AOP revision. I hope you find these useful in crafting an air operating permit (AOP) that fully complies with the *Clean Air Act* (CAA) and the *Washington Clean Air Act*.

At the time an AOP is issued it must contain all applicable requirements. Overlooked in this draft AOP revision are two (2) new AOP-applicable requirements, WAC 173-441 and 40 C.F.R. 98; WAC 173-441 became effective on January 1, 2011 and 40 C.F.R. 98 became effective on January 2, 2011. Also overlooked is information sufficient to determine both the extent to which these new applicable requirements apply to GGS and the actions GGS must take to demonstrate compliance with the new applicable requirements.

Please accept my attached comments with the understanding they are based on review of an incomplete draft AOP revision and incomplete supporting information. My hope is Ecology CRO will provide another opportunity for public participation on the GGS AOP revision; one that includes a draft permit containing all applicable requirements accompanied by all the relevant information CRO used to create these requirements.

Regards,



Bill Green  
424 Shoreline Ct.  
Richland, WA 99354

Attachment

1. The Goldendale Generating Station (GGS) draft air operating permit (AOP) revision fails to address the *Clean Air Act* (CAA) Title V applicable requirement regarding greenhouse gases (GHGs). (See the *Tailoring Rule*, 75 Fed. Reg. 31514, June 3, 2010; see also 40 C.F.R. 98). For sources with a Title V permit, addressing GHG requirements is required effective January 2, 2011. In addressing regulatory ramifications of the *Tailoring Rule*, EPA explained:

"...Sources with title V permits must address GHG requirements when they apply for, renew, or revise their permits. These requirements will include any GHG applicable requirements (e.g., GHG BACT requirements from a PSD process) and associated monitoring, recordkeeping and reporting. When a permit application is otherwise required, they will also need to identify GHG emissions and other information in that application to the extent required under 40 CFR 70.5(c) and 71.5(c), including information necessary to determine applicable requirements. . ."  
(75 Fed. Reg. 31523, June 3, 2010) (emphasis is mine)

Because this is a revision to an existing CAA Title V permit that will occur after January 2, 2011, the date GHG requirements became effective, this revision must also address GHG requirements contained in 40 C.F.R. 98. This AOP revision can be issued only if it provides for compliance with all applicable requirements.  
[See 40 C.F.R. 70.7 (a)(1)]

2. The GGS draft AOP revision overlooks the Washington State AOP-applicable requirements codified in WAC 173-441. This regulation became effective January 1, 2011. In accordance with WAC 173-401-700 (1), this AOP revision can be issued only if it provides for compliance with all applicable requirements.
3. The GGS draft AOP revision must also address requirements in both WAC 173-441 and 40 C.F.R. 98 that are not yet in effect, but will become effective sometime during the term of the GGS AOP.
4. Please augment the *Statement of Basis* to reflect the factual and legal basis for applicable requirements resulting from enactment of WAC 173-441 and 40 C.F.R. 98. Ecology is required by 40 C.F.R. 70.7 (a)(5) and WAC 173-401-700 (8) to prepare a *Statement of Basis* that sets forth the legal and factual basis for the draft permit conditions (including references to the applicable statutory or regulatory provisions).
5. Provide the public with the opportunity to review and comment on a draft GGS AOP revision that contains all applicable requirements along with the relevant information used by Ecology CRO to create those applicable requirements. Public participation requirements cannot be met when the version of the AOP offered to the public for review fails to contain all applicable requirements (including associated monitoring, recordkeeping, and reporting requirements) and the review material available to the public does not contain all relevant information (e.g., GHG calculations, underlying data) Ecology CRO uses to create the applicable requirements.





# *Exhibit 5*

Potential-to-emit Greenhouse Gases Reported by:  
Puget Sound Energy - Goldendale Generating Station

Information obtained through the *Public Records Act*,  
Revised Code of Washington (RCW) 42.56.



## Haller, Lynnette A. (ECY)

---

**From:** Henderson, Joey [Joey.Henderson@pse.com]  
**Sent:** Thursday, April 28, 2011 1:36 PM  
**To:** Haller, Lynnette A. (ECY)  
**Subject:** RE: Goldendale Generating Station - Air Operating Permit application update  
**Attachments:** Goldendale GHG PTE (2).xls

Lynnette

The PTE originally provided included separate quantifications for peak load and base load, same as below and the attached spreadsheet. After minor corrections, please see below for updated GHG PTE:

Peak Load = 684,708 ton/yr  
Base Load = 1,142,483 ton/yr

Load operation restrictions (duct burners limit of 5250 hrs) come into play but using the max MMBtu/hr seen the last 7 yrs as we have done here is one option. We would be open to other ideas you may have one a better way to present this information.

Let me know if you have any questions, thank you-

---

### Joey Henderson

Thermal Compliance Consultant  
Puget Sound Energy  
o: 425-457-5835 m: 206-940-0702

**From:** Haller, Lynnette A. (ECY) [mailto:LHUL461@ECY.WA.GOV]  
**Sent:** Tuesday, April 12, 2011 2:23 PM  
**To:** Henderson, Joey  
**Cc:** Wells, James; Vicente, Ryan (ECY); Faretra, Keith M; Klug, Gerald; Gould, Wayne R  
**Subject:** RE: Goldendale Generating Station - Air Operating Permit application update

Thanks Joey.

The information will be used in preparing the Title V Air Operating Permit (AOP) Renewal, for Goldendale Generating Station.

We will be including the Potential to Emit (PTE) Greenhouse Gases (GHG) in the associated Statement of Basis. Would you please provide me with a copy of the quantifications? Additionally, please clarify whether your statements regarding PTE during peak and base loads are separate or cumulative. For example, is it 5250 hr/yr at peak load plus 3510 hr/yr at base load OR is each the PTE at 8760 hr/yr?

Note that PTE will be based upon enforceable operation limits, such as up to 5250 hr/yr at peak load and calendar year average less than 250 MWe.

Additionally, note that for AOP applicability, PTE GHG is based upon short tons (ie., 2,000 lb/ton).

Please contact me if you have any questions. Thank you.

Lynnette Haller, PE  
Central Regional Air Quality Program  
Washington State Department of Ecology

address: 15 W Yakima Ave., Suite 200, Yakima, WA 98902  
phone: 509.457.7126  
fax: 509.575.2809  
email: [lynnette.haller@ecy.wa.gov](mailto:lynnette.haller@ecy.wa.gov)

**From:** Henderson, Joey [<mailto:Joey.Henderson@pse.com>]  
**Sent:** Monday, March 28, 2011 1:15 PM  
**To:** Haller, Lynnette A. (ECY)  
**Cc:** Wells, James; Vicente, Ryan (ECY); Faretra, Keith M; Klug, Gerald; Gould, Wayne R  
**Subject:** RE: Goldendale Generating Station - Air Operating Permit application update

Lynnette,

In response to your request below to provide additional information for Goldendale Generating Station's Air Operating Permit application update, please see the below:

Based on the highest technical heat input observed over the last 7 years the plant has been operating (2,232 MMbtu/Hr), PSE estimates the greenhouse gas (carbon dioxide equivalent) potential to emit emissions at 621,156 metric tons/year at peak load and 978,469 metric tons/year at baseload.

The provisions of the Washington State program for the reporting of emissions of greenhouse gases was recently finalized and effective on January 1, 2011 and will need to be included in the renewal of the facility's Air Operating Permit [WAC 173-441, 1/1/11, State Only]. In, accordance with WAC 173-441, if the Goldendale Generating Station emits 10,000 metric tons or more per calendar year of CO<sub>2</sub>e from this facility, as defined under WAC 173-441-030, the facility shall comply with the requirements in the Washington State Program for Reporting of Emissions of Greenhouse Gases. Emission reports, when required, shall follow the reporting schedules and documentation requirements specified in WAC 173-441-050. The monitoring, reporting and recordkeeping procedures for this reporting is already covered in the AOP as the facility is subject to requirements under the Title IV Acid Rain Program in 40 CFR Part 75. Verification is expected to be performed by Ecology according to WAC 173-441-050(5). This requirement does not apply to voluntary emission reporting as defined in WAC 173-441-030(4).

Also, as PSE was preparing the data for this reply, EPA extended the deadline for reporting under the 40 CFR Part 98 Greenhouse Gas Reporting Program. Nevertheless, we will continue to be prepared to submit under the federal program (new deadline September 30, 2011).

Thank you, please let me know if you need anything else.

Joey Henderson  
Program Manager - CT Compliance  
Puget Sound Energy  
Office Phone: 425.457.5835

EnergyResourcesCompliance

**From:** Haller, Lynnette A. (ECY) [<mailto:LHUL461@ECY.WA.GOV>]  
**Sent:** Tuesday, February 15, 2011 9:46 AM  
**To:** Henderson, Joey; Odom, L. Ed - Ed; Klug, Gerald  
**Cc:** Wells, James; Vicente, Ryan (ECY); Faretra, Keith M  
**Subject:** RE: Goldendale Generating Station - Air Operating Permit application update

Your request is granted. We will anticipate receipt of the application update, no later than March 31, 2011. Thank you.  
Lynnette Haller

**From:** Henderson, Joey [<mailto:Joey.Henderson@pse.com>]  
**Sent:** Tuesday, February 15, 2011 8:53 AM

## Haller, Lynnette A. (ECY)

---

**From:** Haller, Lynnette A. (ECY)  
**Sent:** Tuesday, February 15, 2011 9:46 AM  
**To:** 'Henderson, Joey'; Odom, L. Ed - Ed; Klug, Gerald  
**Cc:** Wells, James; Vicente, Ryan (ECY); Faretra, Keith M  
**Subject:** RE: Goldendale Generating Station - Air Operating Permit application update

Your request is granted. We will anticipate receipt of the application update, no later than March 31, 2011. Thank you.  
Lynnette Haller

**From:** Henderson, Joey [<mailto:Joey.Henderson@pse.com>]  
**Sent:** Tuesday, February 15, 2011 8:53 AM  
**To:** Haller, Lynnette A. (ECY); Odom, L. Ed - Ed; Klug, Gerald  
**Cc:** Wells, James; Vicente, Ryan (ECY); Faretra, Keith M  
**Subject:** RE: Goldendale Generating Station - Air Operating Permit application update

Lynnette,  
As discussed, PSE would like to request timing our reply to your message below with Goldendale's mandatory greenhouse gas report required in 40 CFR Part 98.

We are currently working to compile and evaluate PSE's electric generating facilities greenhouse gas emission data from 2010. March 31, 2011 is the deadline to report these greenhouse gas emissions to EPA's electronic Greenhouse Gas Reporting Tool (e-GGRT). With your consent, we will have your additional information request fulfilled by that date.

Thank you-

Joey Henderson  
Program Manager - CT Compliance  
Office Phone: 425.457.5835  
[EnergyResourceCompliance](#)  
Visit our new Internal Website: <http://pseweb/EnergyResourceCompliance/>

**From:** Haller, Lynnette A. (ECY) [<mailto:LHUL461@ECY.WA.GOV>]  
**Sent:** Tuesday, February 01, 2011 1:28 PM  
**To:** Odom, L. Ed - Ed; Klug, Gerald  
**Cc:** Wells, James; Henderson, Joey; Vicente, Ryan (ECY)  
**Subject:** Goldendale Generating Station - Air Operating Permit application update

Dear Mr. Odom & Mr. Klug,

As of January 1, 2011, certain facilities which emit greenhouse gases must comply with chapter 173-441<sup>1</sup> Washington Administrative Code – Reporting of emissions of greenhouse gases. In its current form, the Goldendale Generating Station renewal Air Operating Permit application does not address greenhouse gases.

According to Washington Administrative Code 174-401-500(6)<sup>2</sup>, you have a duty to supplement or correct your application promptly. I request that you provide the following information no later than **February 18, 2011**:

- Quantify the Station's potential to emit greenhouse gases. This information is required to determine whether chapter 173-441 WAC is an applicable requirement.

- If applicable, state monitoring, reporting, recordkeeping and verification protocols for greenhouse gas emissions reporting.

Presently, the federal Mandatory Reporting of Greenhouse Gases Rule<sup>iii</sup> is not an AOP applicable requirement. Regardless, you will want to determine whether it applies to the Goldendale Generating Station.

Please let me know if you have any questions. Thank you for your prompt attention!

<sup>i</sup><http://apps.leg.wa.gov/wac/default.aspx?cite=173-441>

<sup>ii</sup><http://apps.leg.wa.gov/wac/default.aspx?cite=173-401-500>

<sup>iii</sup><http://www.epa.gov/climatechange/emissions/ghgrulemaking.html>

--

Lynnette Haller, PE  
Central Regional Air Quality Program  
Washington State Department of Ecology

address: 15 W Yakima Ave., Suite 200, Yakima, WA 98902

phone: 509.457.7126

fax: 509.575.2809

email: [lynnette.haller@ecy.wa.gov](mailto:lynnette.haller@ecy.wa.gov)



**To:** Haller, Lynnette A. (ECY); Odom, L. Ed - Ed; Klug, Gerald  
**Cc:** Wells, James; Vicente, Ryan (ECY); Faretra, Keith M  
**Subject:** RE: Goldendale Generating Station - Air Operating Permit application update

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Thank you-

Joey Henderson  
Program Manager - CT Compliance  
Office Phone: 425.457.5835

**EnergyResourcesCompliance**

Visit our new Internal Website: <http://pscweb/EnergyResourceCompliance/>

**From:** Haller, Lynnette A. (ECY) [mailto:LHUL461@ECY.WA.GOV]  
**Sent:** Tuesday, February 01, 2011 1:28 PM  
**To:** Odom, L. Ed - Ed; Klug, Gerald  
**Cc:** Wells, James; Henderson, Joey; Vicente, Ryan (ECY)  
**Subject:** Goldendale Generating Station - Air Operating Permit application update

Dear Mr. Odom & Mr. Klug,

As of January 1, 2011, certain facilities which emit greenhouse gases must comply with chapter 173-441<sup>1</sup> Washington Administrative Code – Reporting of emissions of greenhouse gases. In its current form, the Goldendale Generating Station renewal Air Operating Permit application does not address greenhouse gases.

According to Washington Administrative Code 174-401-500(6)<sup>2</sup>, you have a duty to supplement or correct your application promptly. **I request that you provide the following information no later than February 18, 2011:**

- **Quantify the Station's potential to emit greenhouse gases. This information is required to determine whether chapter 173-441 WAC is an applicable requirement.**
- **If applicable, state monitoring, reporting, recordkeeping and verification protocols for greenhouse gas emissions reporting.**

Presently, the federal Mandatory Reporting of Greenhouse Gases Rule<sup>3</sup> is not an AOP applicable requirement. Regardless, you will want to determine whether it applies to the Goldendale Generating Station.

Please let me know if you have any questions. Thank you for your prompt attention!

<sup>1</sup><http://apps.leg.wa.gov/wac/default.aspx?cite=173-441>

<sup>2</sup><http://apps.leg.wa.gov/wac/default.aspx?cite=173-401-500>

<sup>3</sup><http://www.epa.gov/climatechange/emissions/ghgrulemaking.html>

--  
Lynnette Haller, PE  
Central Regional Air Quality Program

Washington State Department of Ecology

address: 15 W Yakima Ave., Suite 200, Yakima, WA 98902

phone: 509.457.7126

fax: 509.575.2809

email: [lynnette.haller@ecy.wa.gov](mailto:lynnette.haller@ecy.wa.gov)

**Goldendale Generating Station**  
**Unit Monthly Operations**

<b>Goldendale CT G1</b>	<b>2004 Y</b>	<b>2005 Y</b>	<b>2006 Y</b>	<b>2007 Y</b>	<b>2008 Y</b>	<b>2009 Y</b>
Operating Capacity (MW)	156.0	156.0	156.0	156.0	156.0	171.0
Net Generation (MWh)	-	-	-	-	-	-
Gross Generation (MWh)	145,604	696,439	760,166	562,336	1,243,956	1,375,767
Capacity Factor (%)	-	-	-	-	-	-
Energy Market Revenue (\$)	-	-	-	-	-	-
Energy Market Revenue (\$/MWh)	-	-	-	-	-	-
Average Heat Rate (Btu/kWh)	-	-	-	-	-	-
Heat Input (MMBtu)	1,557,552	7,012,808	7,163,568	5,510,891	9,327,087	9,279,720
Hours Online (hours)	1,033	4,774	4,687	3,667	5,959	5,695
MMBtu/Hr	1,508	1,469	1,528	1,503	1,565	1,629
Number of Starts	-	-	-	-	-	-
CO2 Emissions (tons)	92,564	416,761	425,725	327,507	554,299	551,482
CO2 Emissions Rate (lbs/MMBtu)	118.9	118.9	118.9	118.9	118.9	118.9
NOx Emissions (lbs)	15,640	72,796	57,512	54,871	72,257	75,110
NOx Emissions Rate (lbs/MMBtu)	.0	.0	.0	.0	.0	.0
SO2 Emissions (lbs)	933	4,198	4,311	3,290	5,579	5,562
SO2 Emissions Rate (lbs/MMBtu)	.0	.0	.0	.0	.0	.0

<b>Goldendale ST G2</b>	<b>2004 Y</b>	<b>2005 Y</b>	<b>2006 Y</b>	<b>2007 Y</b>	<b>2008 Y</b>	<b>2009 Y</b>
Operating Capacity (MW)	84.2	84.2	84.2	84.2	84.2	83.0
Net Generation (MWh)	84,786	333,385	-	-	452,576	466,050
Gross Generation (MWh)	-	-	-	-	-	-
Capacity Factor (%)	11.5	45.2	-	-	61.2	64.1
Energy Market Revenue (\$)	-	-	-	-	-	-
Energy Market Revenue (\$/MWh)	-	-	-	-	-	-
Average Heat Rate (Btu/kWh)	-	-	-	-	-	-
Heat Input (MMBtu)	-	-	-	-	-	-
Hours Online (hours)	-	-	-	-	-	-
Number of Starts	-	-	-	-	-	-
CO2 Emissions (tons)	-	-	-	-	-	-
CO2 Emissions Rate (lbs/MMBtu)	-	-	-	-	-	-
NOx Emissions (lbs)	-	-	-	-	-	-
NOx Emissions Rate (lbs/MMBtu)	-	-	-	-	-	-
SO2 Emissions (lbs)	-	-	-	-	-	-
SO2 Emissions Rate (lbs/MMBtu)	-	-	-	-	-	-

Technical Heat Rate (Btu/kWh)	6900	6900	6900	6900	6900	6900	
Total Generation (kWh)	230,390,000	1,029,824,000	760,166,000	562,336,000	1,696,532,000	1,841,817,000	
Total MMBtu	1,589,691	7,105,786	5,245,145	3,880,118	11,706,071	12,708,537	
Hours Online	1,033	4,774	4,687	3,667	5,959	5,695	Max. Last 7 Years
MMBtu/Hr (Combined based on Technical Heat Rate)	1,539	1,488	1,119	1,058	1,964	2,232	2,232

From 40 CFR Part 98  
53.02 kg CO<sub>2</sub>  
1 mMBtu

Subpart C Table C-1  
Pipeline fuel

1 kWh = 3412.14 Btu (IT)

2,232 MMBtu 1 hr	A little more than 60% CF 5250 h 1 year	53.02 kg 1 MMBtu	0.0011 ton 1 kg	=	PTE = 684,708 ton year
2,232 MMBtu 1 hr	100% CF 8760 h 1 year	53.02 kg 1 MMBtu	0.0011 ton 1 kg	=	PTE = 1,142,483 ton year

# *Exhibit 6*

Final Permit:

Puget Sound Energy - Goldendale Generating Station, Title V Operating Permit  
(Number 06AQ-C025 Third Revision)



**WASHINGTON STATE DEPARTMENT OF ECOLOGY  
CENTRAL REGIONAL OFFICE  
15 W YAKIMA, SUITE 200  
YAKIMA, WASHINGTON 98902**

IN THE MATTER OF THE COMPLIANCE BY	)	AIR OPERATING PERMIT &
GOLDENDALE GENERATING STATION.	)	PHASE II ACID RAIN PERMIT
with Section 70.94.161 RCW, Operating Permits for	)	No. 06AQ-C025 Third Revision
Air Contaminant Sources, and the applicable rules and	)	
regulations of the Department of Ecology	)	<b>FINAL PERMIT</b>

To: Goldendale Generating Station  
600 Industrial Way  
Goldendale, WA 98620

Issuance Date: May 10, 2011  
Effective Date: May 10, 2011  
Expiration Date: January 4, 2012

**Responsible Officials & Acid Rain Program Designated Representatives:**

Wayne R. Gould, Director, Thermal Generation, Puget Sound Energy  
Gerald Klug, Plant Manager, Goldendale Generating Station, Puget Sound Energy

**Source Location:** This Permit applies to Goldendale Generating Station, located at 600 Industrial Way, in Goldendale, Washington.

**Acid Rain Program Affected Source:** Goldendale Generating Station is an Acid Rain Program affected source identified as ORIS Code 55482. For purposes of the Acid Rain Program, the natural gas fired combustion engine and the auxiliary Duct Burner are one affected unit. The affected unit commenced operation on **July 10, 2004**. The affected unit commenced commercial operation on **August 9, 2004**. The deadline for monitor certification was **November 8, 2004**.

**Legal Authority:** This AIR OPERATING PERMIT is issued under the authority and provisions of the Federal Clean Air Act, (42 U.S.C. 7401, et seq.), the Washington Clean Air Act, Chapter 70.94 Revised Code of Washington and the Operating Permit Regulation, Chapter 173-401 Washington Administrative Code.

The ACID RAIN PROGRAM portion of this permit is issued under the authority and provisions of the Federal Clean Air Act, (42 U.S.C. 7401, et seq.), and the Washington Clean Air Act; chapter 70.94, Revised Code of Washington, and chapter 173-406 Washington Administrative Code, Acid Rain Regulation.

Hereinafter, Goldendale Generating Station is called the permittee. The permittee, and designated representatives are required to comply with the provisions contained within this permit.

The original permit was dated at Yakima, Washington on the 5<sup>th</sup> day of January, 2007. An administrative amendment, per WAC 173-401-720, to update the responsible official/designated representative, was dated at Yakima, Washington on the 23<sup>rd</sup> day of October, 2007. An administrative amendment, per WAC 173-401-720, to update the load allowed under condition 5.2.7, was dated at Yakima, Washington, on the 23<sup>rd</sup> day of December, 2008. This significant modification, per WAC 173-401-725(4), to incorporate an increase in the ammonia emission limit in conditions 5.4.7, 5.41.5, and 5.4.b.5, is dated at Yakima, Washington, on the 10<sup>th</sup> day of May, 2011.

REVIEWED BY: \_\_\_\_\_  
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Central Regional Air Quality Section  
Department of Ecology  
State of Washington

APPROVED BY: \_\_\_\_\_  
Susan M. Billings  
Section Manager  
Central Regional Air Quality Section  
Department of Ecology  
State of Washington



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## LIST OF ABBREVIATIONS

ASTM	American Society for Testing and Materials
ATS	allowance tracking system
Btu	British Thermal Units
°C	Degrees Celsius
CAAA	Clean Air Act Amendments
CEMS	continuous emission monitoring system
Cfm	cubic feet per minute
CFR	Code of Federal Regulations
CO	Carbon Monoxide
CO <sub>2</sub>	carbon dioxide
dscf	Dry Standard Cubic Foot
dscfm	Dry Standard Cubic Foot per minute
Ecology	Washington State Department of Ecology
EPA	United States Environmental Protection Agency
°F	Degrees Fahrenheit
FCAA	Federal Clean Air Act
FDCP	Fugitive Dust Control Plan
ft <sup>3</sup>	Cubic foot
gr/dscf	Grain per dry standard cubic foot
HCl	Hydrogen Chloride
hr	Hour
H <sub>2</sub> S	Hydrogen Sulfide
HRSG	Heat recovery steam generator
IFF	independent power production facility
Kwh	kilowatt hour
lb	Pound
LFG	Landfill Gas
m <sup>3</sup>	Cubic Meters
mg	megagram
MMBtu	Million Btu
M <sub>NMOC</sub>	Total NMOC emission rate from the landfill
MSW	Municipal Solid Waste
MVAC	Motor Vehicle Air Conditioner
MWe	megawatt electrical
MWge	gross megawatt electrical
N <sub>2</sub>	Nitrogen
NADB	national allowance data base
NESHAP	National Emission Standard for Hazardous Air Pollutants
NH <sub>3</sub>	Ammonia
NIST	National Institute of Standards and Technology
NMOC	Non-Methane Organic Compound
NO	nitrogen oxide
NOC	Notice of Construction
NO <sub>x</sub>	Oxides of Nitrogen
NSPS	New Source Performance Standard
O <sub>2</sub>	Oxygen
O&M	Operation & Maintenance
PAH	Poly aromatic hydrocarbons
PCBs	Polychlorinated Biphenols
PE	Professional Engineer
PM	Particulate Matter
PM <sub>2.5</sub>	Particulate Matter with aerodynamic diameter ≤ 2.5 micrometers
PM <sub>10</sub>	Particulate Matter with aerodynamic diameter ≤ 10 micrometers
Ppm	parts per million
ppm <sub>v</sub>	Parts per million by volume
ppm <sub>vd</sub>	Parts per million by dry volume
PSD	Prevention of Significant Deterioration

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Q	Flow
QF	qualifying facility
RACT	Reasonably Available Control Technology
RATA	relative accuracy test audit
RCW	Revised Code of Washington
RM	Reference Method
scfm	Standard Cubic Feet per Minute
SCR	Selective catalytic reduction
SIP	State Implementation Plan
SO <sub>2</sub>	Sulfur Dioxide
SO <sub>x</sub>	Oxides of Sulfur
Std	at standard conditions
T	Temperature
TAP	Toxic Air Pollutant
TPD	Tons Per Day
TPY	Tons Per Year
TSP	Total Suspended Particulate
USC	United States Code
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound
WAC	Washington Administrative Code
w%	Percentage by Weight
yr	Year

**AIR OPERATING PERMIT CONDITIONS**

**1.0 PERMIT PROVISOS**

**1.1 Permit shield.**

- 1.1.1 Compliance with the conditions of this permit shall be deemed compliance with those applicable requirements that are specifically included in and identified in the permit as of the date of permit issuance. [WAC 173-401-640(1), 8/13/01, 12/1/10 (S)]
- 1.1.2 The permit shield shall not apply to any insignificant emissions unit or activity designated under WAC 173-401-530. [WAC 173-401-530, 8/13/01, 12/1/10 (S)]

1.2 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), 8/13/01, 12/1/10 (S); RCW 70.94.905, 2010 (S)]

1.3 Property rights. This permit does not convey any property rights of any sort, or any exclusive privilege. [WAC 173-401-620(2)(d), 8/13/01, 12/1/10 (S)]

1.4 Transfer of ownership or operation. A change in ownership or operational control of this source is treated as an administrative permit amendment if no other change in this permit is necessary and provided that a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new permittee has been submitted to Ecology. [WAC 173-401-720(1)(d), 8/13/01, 12/1/10 (S)]

1.5 Emissions trading. No permit revision shall be required, under any approved economic incentives, marketable permits, emission trading, and other similar programs or processes for changes that are provided for in this permit. [WAC 173-401-620(2)(g), 8/13/01, 12/1/10 (S)]

1.6 Enforceability. All terms and conditions of the permit are enforceable by the EPA and citizens unless specifically designated as state (S) enforceable. [WAC 173-401-625, 8/13/01, 12/1/10 (S)]

**1.7 General obligation.**

Exclusions. Nothing in this permit shall alter or affect the following:

- 1.7.1 The provisions of section 303 of the FCAA (emergency orders), including the authority of the administrator under that section;
  - 1.7.2 The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
  - 1.7.3 The applicable requirements of the acid rain program, consistent with section 408(a) of the FCAA;
  - 1.7.4 The ability of EPA to obtain information from a source pursuant to section 114 of the FCAA; or
  - 1.7.5 The ability of Ecology to establish or revise requirements for the use of RACT as provided in Chapter 252, Laws of 1993.
- [WAC 173-401-640(4), 8/13/01, 12/1/10 (S)]

1.8 Reasonably Available Control Technology. Emission standards and other requirements contained in rules or regulatory orders in effect at the time of operating permit issuance or renewal shall be considered RACT for purpose of permit issuance or renewal. This does not preclude RACT determinations under Section 8, Chapter 252, Laws of 1993, which shall be incorporated into an operating permit as provided in WAC 173-401-730. [WAC 173-401-605(3), 8/13/01, 12/1/10 (S); RCW 70.94.154, 2010 (S)]

1.9 Need to halt or reduce activity not a defense. It shall not be a defense for a 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), 8/13/01, 12/1/10 (S); NOC No. 01AQCR-2037 Third Revision, 5/10/11, Condition 3.9.6]

1.10 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), 8/13/01, 12/1/10 (S)]

1.11 Permit continuation. This permit and all terms and conditions contained therein, including any permit shield provided under WAC 173-401-640, shall not expire until the renewal permit has been issued or denied if a timely and complete renewal 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 renewal application has been submitted. [WAC 173-401-620(2)(j), 8/13/01, 12/1/10 (S)]

- 1.12 Permit appeals. You have a right to appeal this permit to the Pollution Control Hearing Board (PCHB) within 30 days of the date of receipt of this permit. The appeal process is governed by Chapter 43.21B RCW and Chapter 371-08 WAC. "Date of receipt" is defined in RCW 43.21B.001(2).

To appeal you must do the following within 30 days of the date of receipt of this permit:

- File your appeal and a copy of this Order with the PCHB (see addresses below). Filing means actual receipt by the PCHB during regular business hours.
- Serve a copy of your appeal and this Order on Ecology - in paper form - by mail or in person. (See addresses below.) E-mail is not accepted.

You must also comply with other applicable requirements in Chapter 43.21B RCW and Chapter 371-08 WAC.

Address and Location Information:

Street Addresses

Department of Ecology  
Attn: Appeals Processing Desk  
300 Desmond Drive SE  
Lacey, WA 98503

Pollution Control Hearings Board  
1111 Israel RD SW  
STE 301  
Tumwater, WA 98501

Mailing Addresses

Department of Ecology  
Attn: Appeals Processing Desk  
PO Box 47608  
Olympia, WA 98504-7608

Pollution Control Hearings Board  
PO Box 40903  
Olympia, WA 98504-0903

This provision for appeal in this section is separate from and additional to any federal rights to petition and review under section 505(b) of the FCAA. [WAC 173-401-620(2)(i), 8/13/01, 12/1/10 (S); RCW 70.94.221, 2011 (S)]

2.0 **PERMIT ADMINISTRATION**

- 2.1 Duty to comply. The permittee must comply with all conditions of this WAC 173-401 permit. Any permit noncompliance constitutes a violation of Chapter 70.94 RCW and, for federally enforceable provisions, a violation of the FCAA. 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), 8/13/01, 12/1/10 (S)]
- 2.2 Inspection and entry.  
Upon presentation of credentials and other documents as may be required by law, the permittee shall allow Ecology, or an authorized representative to perform the following:
- 2.2.1 Enter upon the permittee's premises where a Chapter 173-401 WAC source is located or emissions-related activity is conducted, or where records must be kept under the conditions of this permit;
- 2.2.2 Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- 2.2.3 Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
- 2.2.4 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 this permit or other applicable requirements. [WAC 173-401-630(2), 8/13/01, 12/1/10 (S); RCW 70.94.200, 2010 (S); NOC No. 01AQCR-2037 Third Revision, 5/10/11, Condition 3.9.4]
- 2.2.4.1 Ecology may require the permittee to conduct stack and/or ambient air monitoring and report the results to Ecology. [WAC 173-400-105(2), 8/20/93, 3/1/11 (S)]
- 2.2.4.2 Ecology may conduct or require that a test be conducted using approved EPA methods from 40 CFR 60 Appendix A or approved procedures contained in "Source Test Manual - Procedures for Compliance Testing," Ecology, 7/12/90. The permittee may be required to provide platform and sampling ports. Ecology shall be allowed to obtain a sample from any emissions unit. The

- permittee shall be given the opportunity to observe the sampling and to obtain a sample at the same time. [WAC 173-400-105(4), 8/20/93, 3/1/11 (S)]
- 2.2.5 Ecology may conduct source tests and require access to records, books, files, and other information specific to the control, recovery, or release of pollutants regulated under 40 CFR Part 61. [WAC 173-400-075(2), 3/1/11 (S)]
- 2.2.6 No person shall obstruct, hamper, or interfere with any such authorized representative while in the process of carrying out his official duties. [RCW 70.94.200, 2010 (S)]
- 2.3 Permit fees. The permittee shall pay fees as a condition of this permit in accordance with Ecology'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. Ecology may revoke this permit if the permit fees are not paid per WAC 173-401-930(3). [WAC 173-401-620(2)(f), 8/13/01, 12/1/10 (S); RCW 70.94.162(1), 2010; WAC 173-401-930(3), 8/13/01, 12/1/10 (S)]
- 2.4 Duty to provide information. The permittee shall furnish to Ecology, within a reasonable time, any information that Ecology 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 Ecology copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality. Permitting authorities shall maintain confidentiality of such information in accordance with RCW 70.94.205. [WAC 173-401-620(2)(e), 8/13/01, 12/1/10 (S)]
- 2.5 Recordkeeping.
- 2.5.1 Permittee shall keep records of required monitoring information that includes, where applicable, the following:
- 2.5.1.1 The date, place, and time of sampling or measurements;
- 2.5.1.2 The date(s) analyses were performed;
- 2.5.1.3 The company or entity that performed the analyses;
- 2.5.1.4 The analytical techniques or methods used;
- 2.5.1.5 The results of such analyses; and
- 2.5.1.6 The operating conditions as existing at the time of sampling or measurement. [WAC 173-401-615(2)(a), 8/13/01, 12/1/10 (S)]
- 2.5.2 Permittee shall keep records describing 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), 8/13/01, 12/1/10 (S)]
- 2.5.3 Permittee shall retain records of all required monitoring data and support information for a period of at least five (5) 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 from continuous monitoring instrumentation, and copies of all reports required by this permit. [WAC 173-401-615(2)(c), 8/13/01, 12/1/10 (S); NOC No. 01AQCR-2037 Third Revision, 5/10/11, Condition 3.7.12]
- 2.6 Reporting.
- 2.6.1 Permittee shall submit reports of any required monitoring (i.e., Monitoring Recordkeeping and Reporting column of section 5) at least once every six (6) months. At a minimum, reports for January 1<sup>st</sup> through June 30<sup>th</sup> and July 1<sup>st</sup> through December 31<sup>st</sup>, shall be due **September 1<sup>st</sup>** and **March 1<sup>st</sup>**, respectively. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by a responsible official consistent with WAC 173-401-520. [WAC 173-401-615(3)(a), 8/13/01, 12/1/10 (S)]
- 2.6.2 Permittee shall report deviations from permit requirements, including those attributable to upset conditions, the probable cause of such deviations, and any corrective actions or preventative measures taken. Such deviations shall be reported '**promptly**'. For deviations which represent a potential threat to human health or safety, '**promptly**' means as soon as possible, but in no case later than twelve (12) hours after the deviation is discovered. The source shall maintain a contemporaneous record of all deviations. Other deviations shall be reported no later than **thirty (30) days** after the end of the month during which the deviation is discovered. Copies of reports shall be sent to Ecology at:

Section Manager  
Central Regional Air Quality Section  
Department of Ecology  
15 West Yakima Avenue, Suite 200  
Yakima, Washington 98902  
[WAC 173-401-615(3)(b), 8/13/01, 12/1/10 (S)]

2.7 Excess emissions.

- 2.7.1 Excess emissions due to emergency. The permittee may seek to establish that noncompliance with a technology-based emission limitation under this permit was due to an emergency. To do so, the permittee shall demonstrate the affirmative defense of emergency through properly signed, contemporaneous operating logs, or other relevant evidence that:
- 2.7.1.1 An emergency occurred and that the permittee can identify the cause(s) of the emergency;
  - 2.7.1.2 The permitted source was at the time being properly operated;
  - 2.7.1.3 During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards, or other requirements in this permit; and
  - 2.7.1.4 The permittee submitted notice of the emergency to Ecology within **two (2) working days** of the time when emission limitations were exceeded due to the emergency or shorter periods of time specified in an applicable requirement. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

[WAC 173-401-645, 8/13/01, 12/1/10 (S)]

- 2.7.2 Unavoidable excess emissions. Excess emissions determined to be unavoidable under the procedures and criteria in WAC 173-400-107 shall be excused and not subject to penalty.
- 2.7.2.1 The permittee shall have the burden of proving to Ecology that excess emissions were unavoidable. This demonstration shall be a condition to obtaining relief under 2.7.2.2, 2.7.2.3, or 2.7.2.4.
  - 2.7.2.2 Excess emission due to startup or shutdown conditions shall be considered unavoidable provided the source reports as required under WAC 173-400-107(3) and adequately demonstrates that the excess emissions could not have been prevented through careful planning and design and if a bypass of control equipment occurs, that such bypass is necessary to prevent loss of life, personal injury, or severe property damage.
  - 2.7.2.3 Excess emission due to scheduled maintenance shall be considered unavoidable if the source reports as required under WAC 173-400-107(3) and adequately demonstrates that the excess emissions could not have been avoided through reasonable design, better scheduling for maintenance or through better operation and maintenance practices.
  - 2.7.2.4 Excess emissions due to upsets shall be considered unavoidable provided the source reports as required under WAC 173-400-107(3) and adequately demonstrates that:
    - 2.7.2.4.1 The event was not caused by poor or inadequate design, operation, maintenance, or any other reasonably preventable condition;
    - 2.7.2.4.2 The event was not of a recurring pattern indicative of inadequate design, operation, or maintenance; and
    - 2.7.2.4.3 The operator took immediate and appropriate corrective action in a manner consistent with good air pollution control practice for minimizing emissions during the event, taking into account the total emissions impact of the corrective action, including slowing or shutting down the emission unit as necessary to minimize emissions, when the operator knew or should have known that an emission standard or permit condition was being exceeded.
  - 2.7.2.5 Required reporting. Excess emissions which represent a potential threat to human health or safety or which the owner or operator of the source believes to be unavoidable shall be reported to Ecology **as soon as possible**. Other excess emissions shall be reported within **thirty (30) days** after the end of the month during which the event occurred or as part of the routine emission monitoring reports. Upon request by Ecology, the permittee shall submit a full written report including the known causes, the corrective actions taken, and the preventative measures to be taken to minimize or eliminate the chance of recurrence.

[WAC 173-400-107(3), 8/20/93, 3/1/11 (S)]



- 2.8 Submittals.
- 2.8.1 Reports, test data, monitoring data, and notifications, required by this permit, and requests for permit renewal shall be submitted to Ecology at:  
Section Manager  
Central Regional Air Quality Section  
Department of Ecology  
15 West Yakima Avenue, Suite 200  
Yakima, Washington 98902  
[WAC 173-401-520, 8/13/01, 12/1/10 (S)]
- 2.8.2 Any application form, report, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. All certifications shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. [WAC 173-401-520, 8/13/01, 12/1/10 (S)]
- 2.8.3 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 renewal application was submitted but prior to release of a draft permit. [WAC 173-401-500(6), 8/13/01, 12/1/10 (S)]
- 2.9 Emission inventory. Permittee shall submit an inventory of emissions from the source for each calendar year. The inventory shall include segmented stack and fugitive emissions of TSP, PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>x</sub>, CO, NO<sub>x</sub>, VOC, lead, and ammonia. The inventory shall be submitted for each calendar year, no later than **April 15<sup>th</sup>** of the following year.
- Additionally, the inventory for calendar years 2008 and 2011, shall specify inventory year, inventory start date, inventory end date, contact name, contact phone number, FIPS code, facility ID codes, unit ID code, process ID code, stack ID code, site name, physical address, SCC, fuel heat content (annual average), fuel heat content (ozone season, if applicable), fuel ash content (annual average), fuel sulfur content (annual average), pollutant code, activity/throughput (for each period reported), summer day emissions, annual emissions, emission factor, winter throughput (%), spring throughput (%), summer throughput (%), fall throughput (%), hr/day in operation, day/wk in operation, wk/yr in operation, stack latitude, stack longitude, stack height, stack diameter, exit gas temperature, exit gas velocity, exit gas flow rate, NAICS at the Facility level, maximum generator nameplate Capacity, primary capture and control efficiencies (%), total capture and control efficiency (%), control device type, emission type, emission release point type, rule effectiveness (%), as defined in 40 Code of Federal Regulations Part 51 Subpart A Appendix A, 7/1/10.
- The source shall maintain records of information necessary to substantiate any reported emissions, consistent with the averaging times for the applicable standards. Emission inventories shall be sent to Ecology at:  
Section Manager  
Central Regional Air Quality Section  
Department of Ecology  
15 West Yakima Avenue, Suite 200  
Yakima, Washington 98902  
[WAC 173-400-105(1), 8/20/93, 3/1/11 (S)]
- 2.10 Permit renewal and expiration. This permit is issued for a fixed term of five (5) years. The permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted. A renewal application is due **July 4, 2010**. A complete renewal application is due no later than **January 4, 2011**. Upon receipt of a complete and timely application for renewal, this source may continue to operate subject to final action by Ecology on the renewal 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 Ecology, any additional information identified as being needed to process the application. The application for renewal shall include the current permit number, the appropriate renewal fee, description of permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term and shall provide a compliance schedule therefor. The application shall be sent to:

Section Manager  
Central Regional Air Quality Section  
Department of Ecology  
15 West Yakima Avenue, Suite 200  
Yakima, Washington 98902

[WAC 173-401-610, 8/13/01, 12/1/10 (S); WAC 173-401-710, 8/13/01, 12/1/10 (S)]

2.11 Off-permit changes.

2.11.1 The source shall be allowed to make changes not specifically addressed or prohibited by the permit terms and conditions without requiring a permit revision, provided that the proposed changes do not weaken the enforceability of the existing permit conditions. Any change that is a Title I modification or is a change subject to the acid rain requirements under Title IV of the FCAA must be submitted as a permit revision.

2.11.2 Each such change shall meet all applicable requirements and shall not violate any existing permit term or condition.

2.11.3 Sources must provide contemporaneous written notice to Ecology and EPA of each such change. Notification shall be submitted to Ecology at:

Section Manager  
Central Regional Air Quality Section  
Department of Ecology  
15 West Yakima Avenue, Suite 200  
Yakima, Washington 98902

and EPA Region 10 at:

U.S. EPA Region 10 Administrator  
1200 Sixth Avenue  
Seattle, Washington 98101

Such written notice shall describe each such change, including the date, any change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change.

2.11.4 The change shall not qualify for the permit shield under WAC 173-401-640.

2.11.5 The permittee shall keep a record describing 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.

2.11.6 A source making a change under this section shall comply with applicable preconstruction review requirements established pursuant to RCW 70.94.152.

[WAC 173-401-724, 8/13/01, 12/1/10 (S)]

2.12 Changes not requiring permit revisions.

2.12.1 Permittee is authorized to make the changes described in this section without a permit revision, providing the following conditions are met:

2.12.1.1 The proposed changes are not Title I modifications;

2.12.1.2 The proposed changes do not result in emissions which exceed those allowable under the permit, whether expressed as a rate of emissions, or in total emissions;

2.12.1.3 The proposed changes do not alter permit terms that are necessary to enforce limitations on emissions from units covered by the permit; and

2.12.1.4 The source provides the administrator and Ecology with written notification at least seven (7) days prior to making the proposed changes except that written notification of a change made in response to an emergency shall be provided as soon as possible after the event.

Notification shall be submitted to Ecology at:

Section Manager  
Central Regional Air Quality Section  
Department of Ecology  
15 West Yakima Avenue, Suite 200  
Yakima, Washington 98902

and EPA Region 10 at:

U.S. EPA Region 10 Administrator  
1200 Sixth Avenue  
Seattle, Washington 98101

The permittee and Ecology shall attach each notice to their copy of the relevant permit.

2.12.2 Pursuant to conditions in 2.12.1, a Chapter 173-401 WAC source is authorized to make section 502(b)(10) changes without a permit revision.

- 2.12.2.1 For each such change, the written notification required under 2.12.1.4 shall include a brief description of the change within the permitted source, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.
    - 2.12.2.2 The permit shield authorized under WAC 173-401-640 shall not apply to any change made pursuant to this paragraph.
  - 2.12.3 Pursuant to the conditions in 2.12.1, a Chapter 173-401 WAC source is authorized to trade increases and decreases in emissions in the permitted source, where the Washington SIP provides for such emissions trades without requiring a permit revision. This provision is available in those cases where the permit does not already provide for such emissions trading.
  - 2.12.3.2 Written notification required under 2.12.1.4 shall include such information as may be required by the provision in the Washington SIP authorizing the emissions trade, including at a minimum, when the proposed change will occur, a description of each such change, any change in emissions, the permit requirements with which the source will comply using the emissions trading provisions of the Washington SIP, and the pollutants emitted subject to the emissions trade. The notice shall also refer to the provisions with which the source will comply in the applicable implementation plan and that provide for the emissions trade.
    - 2.12.3.2 The permit shield described in WAC 173-401-640 shall not extend to any change made under this paragraph. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the applicable SIP authorizing the emissions trade.
  - 2.12.4 Upon the request of the permittee, Ecology shall issue permits that contain terms and conditions, including all terms required under WAC 173-401-600 through 173-401-630 to determine compliance, allowing for the trading of emissions increases and decreases in the WAC 173-401 source solely for the purpose of complying with a federally enforceable emissions cap that is established in the permit independent of otherwise applicable requirements. The permittee shall include in its application proposed replicable procedures and permit terms that ensure the emissions trades are quantifiable and enforceable. The emissions trading provisions shall not be applied to any emissions units for which emissions are not quantifiable or for which there are no replicable procedures to enforce the emissions trades.
  - 2.12.4.1 Under this paragraph, the written notification required under 2.12.1.4, shall state when the change will occur and shall describe the changes in emissions that will result and how these increases and decreases in emissions will comply with the terms and conditions of the permit.
    - 2.12.4.2 The permit shield described in WAC 173-401-640 shall extend to terms and conditions that allow such increases and decreases in emissions.
  - 2.12.5 A source making a change under this section shall comply with applicable preconstruction review requirements established pursuant to 70.94.152 RCW.  
[WAC 173-401-722, 8/13/01, 12/1/10 (S)]
- 2.13 Reopening for cause.
  - 2.13.1 Permits shall be reopened and revised under any of the following circumstances:
    - 2.13.1.1 Additional applicable requirements become applicable to a Chapter 173-401 WAC source with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirements. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to WAC 173-401-620(2)(j);
    - 2.13.1.2 Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit;
    - 2.13.1.3 Ecology 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
    - 2.13.1.4 The administrator or Ecology determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
  - 2.13.2 Proceedings to reopen and issue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Such reopening shall be made as expeditiously as practicable.

- 2.13.3 Reopenings under this section shall not be initiated before a notice of such intent is provided to the Chapter 173-401 WAC source by Ecology at least thirty (30) days in advance of the date that the permit is to be reopened, except that Ecology may provide a shorter time period in the case of an emergency.  
[WAC 173-401-730, 8/13/01, 12/1/10 (S)]
- 2.14 New source review. The permittee shall not construct new sources or make modifications required to be reviewed under WAC 173-400-010, WAC 173-400-560, WAC 173-400-720, WAC 173-400-820, or WAC 173-460-040 before the permittee obtains written final approval from Ecology in accordance with those regulations, pays the appropriate fees required by WAC 173-455-120, and pays the cost of public notice described in WAC 173-400-171. [WAC 173-400-110, 8/20/93, 3/1/11 (S); WAC 173-400-171, 8/20/93, 3/1/11 (S); WAC 173-400-560, 3/1/11 (S); WAC 173-400-720, 3/1/11 (S); WAC 173-400-820, 3/1/11 (S); WAC 173-455-120, 5/3/07 (S); WAC 173-460-040, 5/20/09 (S); RCW 70.94.152, 2011 (S)]
- 2.15 Replacement or substantial alteration of emission control technology. Prior to replacing or substantially altering emission control technology subject to review under WAC 173-400-114, the permittee shall file for and obtain approval from Ecology according to that regulation. The permittee shall pay the appropriate fees required by WAC 173-400-045(4) prior to commencing construction. [WAC 173-400-045(4), 3/1/11 (S); WAC 173-400-114, 3/1/11 (S); RCW 70.94.153, 2010 (S)]
- 2.16 Demolition and renovation (asbestos). Prior to, during, and after conducting any activity to which 40 CFR 60, Subpart M - National Emission Standard for Asbestos, applies, the permittee shall comply with the requirements of that rule. Such activities include demolition, renovation, asbestos stripping or removal, installing or reinstalling insulation, manufacturing or fabricating certain items, spraying of certain materials, constructing roadways of certain materials, or disposal. [40 CFR 61, Subpart M, 7/1/10; WAC 173-400-075(1), 3/1/11 (S)]
- 2.17 Federal CFC requirements (Title VI).
- 2.17.1 The permittee shall comply with the following standards for recycling and emissions reductions pursuant to 40 CFR 82, Subpart F, except as provided for MVACs in Subpart B:
- 2.17.1.1 Persons conducting maintenance, service, repair, or disposing must follow the prohibitions pursuant to 40 CFR 82.154.
- 2.17.1.2 Persons opening appliances for maintenance, service, repair or disposal must comply with the required practices pursuant to 40 CFR 82.156.
- 2.17.1.3 Equipment used during the maintenance, service, repair or disposal must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- 2.17.1.4 Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.
- 2.17.1.5 Persons conducting maintenance, service, repair, or disposing must certify to the Administrator that such person has acquired certified recovery or recycling equipment pursuant to 40 CFR 82.162.
- 2.17.1.6 Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166.
- 2.17.1.7 Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156.
- 2.17.1.8 Owners/operators of appliances normally containing 50 or more pounds of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
- 2.17.2 If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR 82, Subpart A - Production and Consumption Controls.
- 2.17.3 If the permittee performs a service on monitor (fleet) vehicles and when this service involves ozone depleting substance refrigerant in the MVAC, the permittee is subject to all applicable requirements as specified in 40 CFR 82, Subpart B - Servicing of Motor Vehicle Air Conditioners.
- 2.17.4 The permittee shall be allowed to switch from any ozone depleting substance to any alternative that is listed in the Significant New Alternative Program promulgated pursuant to 40 CFR 82, Subpart G - Significant New Alternative Policy Program.  
[40 CFR 82, 7/1/10; RCW 70.94.970, 2010 (S); RCW 70.94.980, 2010 (S)]

**3.0 OPERATIONAL FLEXIBILITY [WAC 173-401-650, 8/13/01, 12/1/10 (S)]**

The combined cycle unit has two sets of emission limits; one set each of emission units when operating at base-load and at peak-load. The applicable requirements in Table 5.4a apply when the combined cycle unit is operating at base-load (i.e., duct burner(s) NOT in operation). The applicable requirements in Table 5.4b apply when the combined cycle unit is operating at peak-load (i.e., duct burner(s) in operation).

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.

**4.0 COMPLIANCE PLAN [WAC 173-401-630(3), 8/13/01, 12/1/10 (S); WAC 173-401-510(2)(h), 8/13/01, 12/1/10 (S)]**

4.1 The permittee shall continue to comply with applicable requirements with which it is currently in compliance.

4.2 The permittee shall meet applicable requirements on a timely basis that become effective during the permit term.

4.3 Compliance certification.

4.3.1 The permittee shall submit a certification of compliance with permit terms and conditions (i.e., sections 2, 3, 4, and 5) at least once per year. At a minimum a certification of compliance is due, for each January 1<sup>st</sup>, through December 31<sup>st</sup>, no later than the following **March 1<sup>st</sup>**. Ecology may require that compliance certifications be submitted more frequently for those emission units not in compliance with permit terms and conditions, or where more frequent certification is specified in the applicable requirement.

4.3.2 The compliance certification shall include the following:

4.3.2.1 The identification of each term or condition of the permit that is the basis of the certification;

4.3.2.2 The compliance status;

4.3.2.3 Whether compliance was continuous or intermittent; and

4.3.2.4 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).

4.3.3 Compliance certification shall be submitted to Ecology at:

Section Manager  
Regional Air Quality Section  
Department of Ecology  
15 W Yakima Ave, Ste 200  
Yakima, Washington 98902

and EPA Region 10 at:

U.S. EPA Region 10 Administrator  
1200 Sixth Avenue  
Seattle, Washington 98101

[WAC 173-401-630(5), 8/13/01, 12/1/10 (S)]

4.3.4 The permittee need not certify compliance for insignificant emission units or activities. [WAC 173-401-530(2)(d), 8/13/01, 12/1/10 (S)]

4.3.5 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), 7/1/10]

## 5.0 APPLICABLE REQUIREMENTS

Until this permit expires, is modified or revoked, this permittee is authorized to operate processes 1, 2, 3, 4, 5, and 6. These processes are subject to the requirements shown in Tables 5.1, 5.2, 5.3, 5.4, 5.4a, 5.4b, 5.5, and 5.6, and to the other terms and conditions specified in this permit.

- 5.1 Source Wide. The following requirements apply SOURCE WIDE; including, but not limited to the combustion turbine, the duct burner, the combined cycle unit (which includes: gas turbine, heat recovery steam generator, duct burner, selective catalytic reduction unit, and the steam generator, sharing a single emission exhaust stack), the backup generator, and the firewater pump, unless an alternate requirement is specifically stated for a particular emissions unit. Since monitoring, recordkeeping, and reporting has not specifically been required by Ecology for insignificant emission units, per WAC 173-400-105(1st ¶), there are no air operating permit monitoring, recordkeeping, and reporting requirements for the insignificant emission units under this Source Wide section, as allowed per WAC 173-401-530(2)(c).

Applicable Requirement (Source Wide)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.1.1	RCW 70.94.040, 2010	S	Unlawful for any person to cause air pollution or permit it to be caused in violation of RCW 70.94, or of any ordinance, resolution, rule or regulation validly promulgated thereunder.	None specified.	No additional monitoring required.
5.1.2	<i>NOTE: This row intentionally left blank.</i>				
5.1.3	WAC 173-400-040(1st ¶), 8/20/93	F	All emissions units are required to use RACT.	None specified.	No additional monitoring required.
	WAC 173-400-040(1)(2nd ¶), 3/1/11; RCW 70.94.154, 2010	S			

	Applicable Requirement (Source Wide)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.1.4	<p>WAC 173-400-040(1)(a), (b), 8/20/93</p> <hr/> <p>WAC 173-400-040(2)(a), (b), 3/1/11</p>	<p>F</p> <hr/> <p>S</p>	<p>Opacity shall not exceed 20% for more than three (3) minutes, in any one (1) hour.</p>	<p>Ecology Method 9A, "Source Test Manual - Procedures for Compliance Testing," State of Washington Department of Ecology, 7/12/90</p>	<p>1) The permittee shall conduct monthly visible emissions surveys of all emission sources and the property boundary during daylight hours as follows: a) the survey shall be conducted from a location with a clear view of the emission source, or boundary, and where the sun is not directly in the observer's eyes. The survey location shall be at least 15 feet but not more than 0.25 miles from the source; b) survey shall be conducted during operation; c) the observer will be educated in the general procedures for determining the presence of visible emissions (i.e. effects on the visibility of emissions caused by background contrast, position of the sun and amount of ambient lighting, and observer position relative to source and sun); d) the survey shall consist of a minimum 15-second visual observation of each emission source to identify those emission sources which exhibit visible emissions; e) in addition to the records required under condition 2.15, the observer shall record the wind direction, sky condition, sun location with respect to the source and the survey location, and the time duration of the survey.</p> <p>2) The permittee shall conduct Ecology Method 9A testing of an emission source when visible emissions, other than uncombined water, are observed during a survey or are otherwise observed by the permittee. Testing shall be conducted as follows: a) testing shall be initiated as soon as possible, but not later than 24 hours after the requirement to conduct such testing is triggered; b) all testing shall be performed during periods when the subject emissions unit is operating; c) testing shall consist of certified opacity readings at 15-second intervals over a minimum period of six consecutive minutes (24 consecutive readings) unless any two readings are greater than 20% opacity in which case the testing period shall be 60 consecutive minutes or until a violation is documented. If a violation is documented, appropriate and timely action shall be taken (as soon as possible, but within 24 hours) to identify and correct the problem causing the opacity. The required recordkeeping shall include the name of the person recording the information, the name(s) of the person(s) taking the corrective action, and the nature, time, date, and effectiveness of any corrective action taken in response to a violation. [WAC 173-401-615(1), 8/13/01, 12/1/10 (S)]</p>

Applicable Requirement (Source Wide)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.1.5	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Condition 3.4.2	F	Visible emissions from the emission units shall not exceed five (5) percent opacity.	EPA RM 9. 40 CFR 60, Appendix A, 7/1/10	Comply with 5.1.4, except that: 2) The permittee shall conduct RM 9 testing when visible emissions are observed during a survey or are otherwise observed by the permittee. Testing shall be conducted as follows: a) testing shall be initiated as soon as possible, but not later than 24 hours after the requirement to conduct such testing is triggered; b) all testing shall be performed during periods when the subject emissions unit is operating; c) testing shall consist of certified opacity readings at 15-second intervals over a minimum period of six consecutive minutes (24 consecutive readings). If a violation is documented, appropriate and timely action shall be taken (as soon as possible, but within 24 hours) to identify and correct the problem causing the opacity. The required recordkeeping shall include the name of the person recording the information, the name(s) of the person(s) taking the corrective action, and the nature, time, date, and effectiveness of any corrective action taken in response to a violation. [WAC 173-401-615(1), 8/13/01, 12/1/10 (S)]
5.1.6	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Condition 3.4.3	F	Visible emissions, from the emission units, at the property boundary of the site shall not exceed zero (0) percent opacity.	EPA RM 9. 40 CFR 60, Appendix A, 7/1/10	Comply with 5.1.4, except that: 2) The permittee shall conduct RM 9 testing when visible emissions are observed during a survey or are otherwise observed by the permittee. Testing shall be conducted as follows: a) testing shall be initiated as soon as possible, but not later than 24 hours after the requirement to conduct such testing is triggered; b) all testing shall be performed during periods when the subject emissions unit is operating; c) testing shall consist of certified opacity readings at 15-second intervals over a minimum period of six consecutive minutes (24 consecutive readings). If a violation is documented, appropriate and timely action shall be taken (as soon as possible, but within 24 hours) to identify and correct the problem causing the opacity. The required recordkeeping shall include the name of the person recording the information, the name(s) of the person(s) taking the corrective action, and the nature, time, date, and effectiveness of any corrective action taken in response to a violation. [WAC 173-401-615(1), 8/13/01, 12/1/10 (S)]



Applicable Requirement (Source Wide)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.1.7	WAC 173-400-040(3), 3/1/11	S	No person shall cause or permit the emission of PM from any source to be deposited beyond the property under direct control of the owner(s) or operator(s) of the source in sufficient quantity to interfere unreasonably with the use and enjoyment of the property upon which the material is deposited.	None specified.	No additional monitoring required.
5.1.8	WAC 173-400-040(3)(a), 8/20/93	F	Reasonable precautions shall be taken to control fugitive emissions.	None specified.	No additional monitoring required.
	WAC 173-400-040(4)(a), 3/1/11	S			
5.1.9	WAC 173-400-040(5), 3/1/11	S	Odors which may unreasonably interfere with use and enjoyment of property are prohibited unless recognized good practice and procedures are employed to reduce odors to a reasonable minimum.	None specified.	Comply with applicable requirement for 5.1.23. [WAC 173-401-615(1), 8/13/01, 12/1/10 (S)]

Applicable Requirement (Source Wide)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.1.10	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Condition 3.9.2	S	Odors from the source shall be controlled by preventing unnecessary release of ammonia, natural gas and other substances producing obnoxious odors at ground level and by minimizing such emissions from the exhaust stack.	Within 30 days following odor detection, the permittee shall determine what remedial measures will be taken, to control odor. Within 60 days following odor detection, the permittee shall implement the remedial measures, unless installation of new equipment is required. If the remedial measure includes the installation of new equipment, such measure shall be taken within 180 days following odor detection. In the event that odor from the project is detected beyond the property boundary of the project following notification and this remedial action period, Ecology may order the permittee to take specific measures to control odor.	In the event that odor from the project is detected beyond the property boundary of the project, Ecology or the permittee shall promptly notify the other of this fact. The permittee shall report in writing to Ecology on remedial measures effectiveness.
5.1.11	WAC 173-400-040(5), 8/20/93	F	No emissions detrimental to persons or property.	None specified.	Comply with applicable requirement for 5.1.23. [WAC 173-401-615(1), 8/13/01, 12/1/10 (S)]
	WAC 173-400-040(6), 3/1/11	S			
5.1.12	WAC 173-400-040(6)(1st ¶), 8/20/93	F	SO <sub>2</sub> shall not exceed 1000 ppm, on a dry basis, corrected to 7% O <sub>2</sub> for combustion sources, and based on the average of any period of sixty (60) consecutive minutes.	EPA RM 8, 40 CFR Part 60, Appendix A, 7/1/10.	No additional monitoring required.
	WAC 173-400-040(7)(1st ¶), 3/1/11	S			
5.1.13	WAC 173-400-040(7), 8/20/93	F	No person shall cause or permit the installation or use of any means which conceals or masks an emission of an air contaminant.	None specified.	No additional monitoring required.
	WAC 173-400-040(8), 3/1/11	S			

Applicable Requirement (Source Wide)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.1.14	WAC 173-400-040(8)(a), 8/20/93	F	Reasonable precautions shall be taken to prevent fugitive dust from becoming airborne.	None specified.	No additional monitoring required.
	WAC 173-400-040(9)(a), 3/1/11	S			
5.1.15	WAC 173-400-050(1), (3), 8/20/93	F	PM emissions from combustion sources shall not exceed 0.1 gr/dscf corrected to 7% O <sub>2</sub> .	EPA RM 5, 40 CFR Part 60, Appendix A, 7/1/10.	No additional monitoring required.
	WAC 173-400-050(1), (3), 3/1/11	S			
5.1.16	WAC 173-400-060, 8/20/93	F	General process units required to meet all applicable provisions of WAC 173-400-040. PM shall not exceed 0.1 gr/dscf.	EPA RM 5, 40 CFR Part 60, Appendix A, 7/1/10.	No additional monitoring required.
	WAC 173-400-060, 3/1/11	S			
5.1.17	WAC 173-400-200(2), 8/20/93	F	No use of excess stack height or dispersion techniques shall be used to meet ambient air quality standards or PSD increments.	None specified.	No additional monitoring required.
	WAC 173-400-200(2), 3/1/11	S			
5.1.18	WAC 173-400-205, 8/20/93	F	No varying of emissions according to atmospheric conditions or ambient concentrations.	None specified.	No additional monitoring required.
	WAC 173-400-205, 3/1/11	S			

	Applicable Requirement (Source Wide)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.1.19	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Conditions 3.6.1, 3.8, 3.9.3	F	Emission units shall be properly operated and maintained. Emission unit specific O&M manuals shall be developed, maintained up-to-date, and followed by the permittee. Emission units shall be operated and maintained in accordance with the O&M manual(s). Regular O&M records shall be kept at the source and made available for inspection by Ecology, organized in a readily accessible manner. Legible copies of the O&M Manuals shall be on-site in a location known by and available to personnel in direct operation of the emission units and available to Ecology upon request.	O&M manuals shall at a minimum include: 1) Normal operating parameters for the emissions unit(s); 2) A maintenance schedule for the emissions unit(s); 3) Monitoring and record keeping requirements; 4) A description of the monitoring procedures; and 5) Actions for abnormal control system operation. On line monitors shall be referenced in the Operations and Maintenance Manual.	The O&M manuals shall be kept on file. This file shall be reviewed at least annually with records kept of the date of and personnel who performed such review. Responsible official shall certify that the emission units are being operated per their respective O&M manual. [WAC 173-401-615(1), 8/13/01, 12/1/10 (S)]
5.1.20	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Condition 3.9.1	F	No outdoor burning shall be conducted at the source.	None specified.	No additional monitoring required.

	Applicable Requirement (Source Wide)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.1.21	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Conditions 3.9.3, 3.9.5, 3.9.9	F	Operation of equipment must be conducted in compliance with all data and specifications submitted as part of the Notice of Construction application unless otherwise approved by Ecology. Any activity undertaken by the permittee, or others, in a manner that is inconsistent with the application or this Order, shall be subject to Ecology enforcement under applicable regulations. A legible copy of NOC No. 01AQCR-2037 Second Revision, shall be on-site in a location known by and available to personnel in direct operation of the emission units and available to Ecology upon request. Nothing in the NOC shall be construed so as to relieve the permittee of its obligations under any state, local, or federal laws or regulations.	None specified.	NOC No. 01AQCR-2037 Second Revision, shall be kept on file. This file shall be reviewed at least annually with records kept of the date of and personnel who performed such review. Responsible official shall certify that the emission units are being operated per their O&M manual. [WAC 173-401-615(1), 8/13/01, 12/1/10 (S)]

Applicable Requirement (Source Wide)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.1.22	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Condition 3.9.10	S	Project shall not interfere with viewing by the Goldendale Observatory.	Within 180 days of Ecology notifying the permittee that the project has interfered with viewing by the Goldendale Observatory, the permittee shall implement remedial measures to ensure that no interference with viewing at the Goldendale Observatory occurs and shall report in writing to Ecology on their effectiveness. In the event that an additional instance of interference is reported following notification and the remedial action period, Ecology may order the permittee to take specific measures.	Comply with applicable requirement for 5.1.23. [WAC 173-401-615(1), 8/13/01, 12/1/10 (S)]
5.1.23	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Condition 3.7.6	F	Permittee shall keep records of complaints as received from the public, Ecology, or any other entity. Any complaints shall be promptly addressed and assessed.	None specified.	Ecology shall be notified within three days of receipt of any complaint. A record shall be maintained of the permittee's action to investigate the validity of the complaint and what, if any, corrective action was taken in response to the complaint.

5.2 Combustion Turbine . The following applicable requirements apply to the COMBUSTION TURBINE.

	Applicable Requirement (Combustion Turbine)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.2.1	40 CFR Part 60.332(a)(1), 60.332(a)(3), 60.332(b), 60.334(b)(2), 60.335(c)(1), 60.335(c), 7/1/10 <i>(Stationary Turbine NSPS Subpart GG)</i> WAC 173-400- 115(1)(a), 3/1/11 NOC No. 01AQCR- 2037 Third Revision, 5/10/11, Conditions 3.7.7, 3.7.9	F	Permittee shall not cause to be discharged into the atmosphere gases containing $\text{NO}_x > \frac{\text{STD} \cdot 0.0075 \cdot \frac{14.4}{Y}}{1}$ where: STD=allowable $\text{NO}_x$ emissions (vd% @ 15% $\text{O}_2$ ) Y=manufacturer's rated heat rate at manufacturer's rated load (kJ/Whr) or, actual measured heat rate based upon lower heating value of fuel measured at actual peak load for the facility. $Y \leq 14.4$ .	None required. [Letter Re: NSPS Subpart GG Alternative Monitoring and Testing Approval, dated June 16, 2004, from USEPA Region 10 to Steve Royall, Goldendale Energy Center]	No additional monitoring required.
5.2.2	40 CFR Part 60.333(a), 60.334(b)(2), 60.335(c)(1), 60.335(d), 7/1/10 <i>(Stationary Turbine NSPS Subpart GG)</i> WAC 173-400- 115(1)(a), 3/1/11 NOC No. 01AQCR- 2037 Third Revision, 5/10/11, Conditions 3.7.7, 3.7.9	F	Permittee shall not cause to be discharged into the atmosphere gases containing $\text{SO}_2 > 0.015_{\text{vd}}\%$ @ 15% $\text{O}_2$ .	None specified.	Comply with 5.2.3. [Letter Re: NSPS Subpart GG Alternative Monitoring and Testing Approval, dated June 16, 2004, from USEPA Region 10 to Steve Royall, Goldendale Energy Center]

Applicable Requirement (Combustion Turbine)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.2.3	40 CFR Part 60.333(b), 60.334(b)(2), 60.335(c)(1), 60.335(d), 7/1/10 <i>(Stationary Turbine NSPS Subpart GG)</i> <hr/> WAC 173-400- 115(1)(a), 3/1/11 <hr/> NOC No. 01AQCR- 2037 Third Revision, 5/10/11, Conditions 3.7.7, 3.7.9	F	Permittee shall not burn fuel containing S > 0.8%.	ASTM D 1072-80, D 3031-81, D 4084-82, or D 3246-81, shall be used to determine S content of gaseous fuel.	Quarterly sampling & analysis. If S is well below applicable standard with low variability, during quarterly sampling through 6/06, sampling frequency can be reduced to semiannual. If there is a substantial change in fuel quality or any analyses indicate noncompliance, samples must be collected and analyzed on a weekly basis. [Letter Re: NSPS Subpart GG Alternative Monitoring and Testing Approval, dated June 16, 2004, from USEPA Region 10 to Steve Royall, Goldendale Energy Center]
5.2.4	40 CFR Part 60.7(b), 7/1/10 <i>(Stationary Turbine NSPS Subpart GG)</i> <hr/> WAC 173-400- 115(1)(a), 3/1/11 <hr/> NOC No. 01AQCR- 2037 Third Revision, 5/10/11, Conditions 3.7.7, 3.7.9	F	Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of the combustion turbine, any malfunction of the air pollution control equipment; or any periods during which a CEMS or monitoring device is inoperative.	None specified.	No additional monitoring required.



Applicable Requirement (Combustion Turbine)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.2.5	40 CFR Part 60.7(b), 7/1/10 <i>(Stationary Turbine NSPS Subpart GG)</i> WAC 173-400- 115(1)(a), 3/1/11 NOC No. 01AQCR- 2037 Third Revision, 5/10/11, Conditions 3.7.7, 3.7.9	F	Maintain a file of all measurements, 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 these systems or devices; and all other information required by this part recorded in a permanent form suitable for inspection.	None specified.	No additional monitoring required.
5.2.6	40 CFR Part 60.11(d), 7/1/10 <i>(Stationary Turbine NSPS Subpart GG)</i> WAC 173-400- 115(1)(a), 3/1/11 NOC No. 01AQCR- 2037 Third Revision, 5/10/11, Conditions 3.7.7, 3.7.9	F	Maintain and operate combustion turbine and pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.	None specified.	No additional monitoring required.
5.2.7	NOC No. 01AQCR- 2037 Third Revision, 5/10/11, Condition 3.3.2	F	Combustion turbine shall operate at a load no less than 55 MW.	None specified.	No additional monitoring required.
5.2.8	NOC No. 01AQCR- 2037 Third Revision, 5/10/11, Condition 3.3.5	F	Combustion turbine shall operate only when the SCR unit is operating in good order.	None specified.	No additional monitoring required.

Applicable Requirement (Combustion Turbine)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.2.9	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Condition 3.6.3	F	Monitor sulfur content of the fuel being fired in the turbine.	An on-site sulfur analyzer, OR periodic gas sampling AND total sulfur analyzers monitoring each potential gas source.	Sulfur content shall be monitored daily with an on-site sulfur analyzer. OR monitored by periodic gas sampling AND use of daily total sulfur analyzers monitoring each potential gas source.

5.3 Duct Burner. The following applicable requirements apply to the DUCT BURNER.

Applicable Requirement (Duct Burner)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.3.1	40 CFR Part 60.42a(a)(1), 60.46a(c), 60.48a(b)(2), 7/1/10 (Boiler NSPS Subpart Da) WAC 173-400-115(1)(a), 3/1/11 NOC No. 01AQCR-2037 Third Revision, 5/10/11, Conditions 3.7.7, 3.7.9	F	PM $\leq$ 13 ng/J (0.03 lb/MMBtu) heat input, except during startup, shutdown, or malfunction.	EPA RM 5, 40 CFR Part 60, Appendix A, 7/1/10.	Comply with applicable requirement for 5.4.5. [WAC 173-401-615(1), 8/13/01, 12/1/10 (S)]
5.3.2	40 CFR Part 60 Subpart Da § 60.11(b), 60.11(c), 60.42a(b), 60.48a(b)(3), 7/1/10 (Boiler NSPS Subpart Da) WAC 173-400-115(1)(a), 3/1/11 NOC No. 01AQCR-2037 Third Revision, 5/10/11, Conditions 3.7.7, 3.7.9	F	Opacity $\leq$ 20%, except for one 6-minute period per hour of not more than 27%, except during periods of startup, shutdown, or malfunction.	EPA RM 9, 40 CFR Part 60, Appendix A, 7/1/10.	Comply with applicable requirement for 5.1.5. [WAC 173-401-615(1), 8/13/01, 12/1/10 (S)]

Applicable Requirement (Duct Burner)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.3.3	40 CFR Part 60.43a(b)(2), 60.43a(g), 60.46a(c), 60.46a(g) 60.48a(c)(4), 7/1/10 (Boiler NSPS Subpart Da) <hr/> WAC 173-400- 115(1)(a), 3/1/11 <hr/> NOC No. 01AQCR- 2037 Third Revision, 5/10/11, Conditions 3.7.7, 3.7.9	F	$\text{SO}_2 \leq 86 \text{ ng/J (0.20 lb/MMBtu)}$ heat input, on a rolling arithmetic average of all hourly emissions for 30 successive boiler operating days, except during periods of startup, or shutdown.	EPA RM 19, 40 CFR Part 60, Appendix A, 7/1/10.	Comply with applicable requirement for 5.4.10. [WAC 173-401-615(1), 8/13/01, 12/1/10 (S)]

	Applicable Requirement (Duct Burner)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.3.4	<p>40 CFR Part 60.7(c), 60.7(d), 60.13(a), 60.13(d)(1), 60.13(e)(2), 60.13(f), 60.13(h), 60.44a(a)(1), 60.44a(a)(2), 60.46a(c), 60.46a(e), 60.46a(g), 60.47a(c), 60.47a(d), 60.47a(e), 60.47a(f), 60.47a(i), 60.47a(j), 60.48a(d), 60.49a(b), 60.49a(f), 60.49a(g), 60.49a(i), 7/1/10 (Boiler NSPS Subpart Da) WAC 173-400-115(1)(a), 3/1/11 NOC No. 01AQCR-2037 Third Revision, 5/10/11, Conditions 3.7.7, 3.7.9</p>	F	NO <sub>x</sub> < 86 ng/J (0.20 lb/MMBtu) heat input, on a rolling arithmetic average of all hourly emissions for 30 successive boiler operating days, except during startup, shutdown, or malfunction.	EPA RM 19, 40 CFR Part 60, Appendix A, 7/1/10. Install, calibrate, maintain, and operate a CEMS, and record measured NO <sub>x</sub> , and O <sub>2</sub> or CO <sub>2</sub> emissions. CEMS shall be operated and data recorded during all periods of operation, including periods of startup, shutdown, and malfunction, except for CEMS breakdowns, repairs, calibration checks, and zero and span adjustments, and shall complete a minimum of one cycle of operation for each successive 15-minute period. 1-hour averages shall be computed from four or more data points equally spaced over each 1-hour period. CEMS data shall be obtained for at least 18 hours in at least 22 out of 30 successive boiler operating days. CEMS shall comply with 40 CFR 60 Appendix B, Performance Specifications, and 40 CFR 60, Appendix F, Quality Assurance Procedures.	<p>At least once daily, check the CEMS zero and span calibration drifts. The zero and span must, as a minimum, be adjusted whenever either the 24-hour zero drift or the 24-hour span drift exceeds two times the limit of the applicable performance specification in Appendix B.</p> <p>Submit written reports for each calendar quarter. All quarterly reports shall be postmarked by the 30<sup>th</sup> day following the end of each calendar quarter. For each 24-hour period, report to EPA &amp; Ecology: (1) calendar date; (2) average NO<sub>x</sub> emission rate for each 30 successive boiler operating days, ending with last 30-day period in the quarter; reasons for non-compliance with the emission standards; and, description of corrective actions taken; (4) identification of the boiler operating days for which pollutant or diluent data have not been obtained, by CEMS, for at least 18 hours of operation of the facility; justification for not obtaining sufficient data; and description of corrective actions taken; (5) identification of the times when emissions data have been excluded from the calculation of average emission rates because of startup, shutdown, or other reasons, and justification for excluding data for reasons other than startup or shutdown; (8) identification of times when the pollutant concentration exceeded full span of the CEMS; (9) description of any modifications to the CEMS which could affect the ability of the CEMS to comply with Performance Specifications 2 or 3. For any periods for which NO<sub>x</sub> emission data are not available, submit a signed statement indicating if any changes were made in operation of the emission control system during the period of data unavailability. Submit a signed statement indicating whether: (1) the required CEMS calibration, span, and drift checks or other periodic audits have been performed as specified; (2) the data used to show compliance was or was not obtained in accordance with approved methods and procedures of Subpart Da and is representative of plant performance; (3) the minimum data requirements have or have not been met; or, the minimum data requirements have not been met for errors that were unavoidable; (4) compliance with the standards has or has not been achieved during the reporting period.</p>

Applicable Requirement (Duct Burner)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.3.5	40 CFR Part 60.7(b), 7/1/10 <i>(Boiler NSPS Subpart Da)</i> WAC 173-400- 115(1)(a), 3/1/11 NOC No. 01AQCR- 2037 Third Revision, 5/10/11, Conditions 3.7.7, 3.7.9	F	Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of the Duct Burner, any malfunction of the air pollution control equipment; or any periods during which a CEMS or monitoring device is inoperative.	None specified.	No additional monitoring required.
5.3.6	40 CFR Part 60.7(b), 7/1/10 <i>(Boiler NSPS Subpart Da)</i> WAC 173-400- 115(1)(a), 3/1/11 NOC No. 01AQCR- 2037 Third Revision, 5/10/11, Conditions 3.7.7, 3.7.9	F	Maintain a file of all measurements, 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 these systems or devices; and all other information required by NSPS Subpart Da recorded in a permanent form suitable for inspection.	None specified.	No additional monitoring required.

Applicable Requirement (Duct Burner)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.3.7	40 CFR Part 60 Subpart GG § 60.11(d), 7/1/10 (Boiler NSPS Subpart Da) WAC 173-400-115(1)(a), 3/1/11 NOC No. 01AQCR-2037 Third Revision, 5/10/11, Conditions 3.7.7, 3.7.9	F	Maintain and operate Duct Burner and pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.	None specified.	Comply with applicable requirement for 5.1.19. [WAC 173-401-615(1), 8/13/01, 12/1/10 (S)]
5.3.8	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Condition 3.1.1	F	NO <sub>x</sub> shall be controlled by use of low NO <sub>x</sub> Duct Burner	None specified.	No additional monitoring required.
5.3.9	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Condition 3.3.3, 3.7.2	F	Use of the Duct Burner (operation at peak load) shall be no more than 5250 hours per rolling 12-month period.	None specified.	A daily log shall be kept of the hours of operation in base load, operation in peak load, shut-down, and start-up.

5.4 Combined Cycle Unit. The following requirements apply to the COMBINED CYCLE UNIT made up of the Gas Turbine, Heat Recovery Steam Generator, Duct Burner, Selective Catalytic Reduction unit, and the Steam Generator, sharing a single emission exhaust stack.

	Applicable Requirement (Combined Cycle Unit)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.4.1	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Conditions 3.1.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.8	F	NO <sub>x</sub> shall be controlled by use of selective catalytic reduction (SCR) in the heat recovery steam generator (HRSG) and good combustion practice. Emissions shall be limited to 2 ppm <sub>d</sub> (at 15% O <sub>2</sub> ), 3-hour average.	EPA RM 19 and 20, 40 CFR Part 60, Appendix A, 7/1/10. Each testing event (year) shall alternate between base-load and peak-load operating conditions. Each test shall consist of at least three runs. Testing shall be conducted at a net power output of at least 225 MW, at ambient temperature and pressure. Adequate sampling ports, safe sampling platforms and access to platforms, and utilities, for sampling and testing shall be provided per 40 CFR 60.8. Test plans shall be submitted 30 days prior and written results shall be submitted to Ecology within 60 days of occurrence. Install, calibrate, maintain, and operate, CEMs for NO <sub>x</sub> and O <sub>2</sub> , with an automated data acquisition and handling system, that complies with 40 CFR Part 75 and 40 CFR 60, Appendix B, Performance Specifications, and 40 CFR 60, Appendix F, Quality Assurance Procedures. Records shall be kept of all periods of downtime of the monitors.	Source testing shall be conducted at least once every five years, except that source testing shall be required annually if the limit was exceeded during any of the previous three tests.  CEMS reports shall be submitted at least monthly within 30-days of the end of each calendar month, and shall include: (1) process or control equipment operating parameters; (2) daily maximum and average concentration, in the units of the standard(s), for each pollutant monitored; (3) duration and nature of any monitor down-time; (4) results of any monitor audits or accuracy checks; and (5) results of any required stack tests. For each occurrence of monitored emissions in excess of the standard, the report shall include: (6) time of occurrence; (7) magnitude of the emission or process parameters excess; (8) duration of the excess; (9) probable cause; (10) any corrective actions taken or planned; and (11) any other agency contacted.

	Applicable Requirement (Combined Cycle Unit)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.4.2	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Condition 3.1.2, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.8	F	CO shall be controlled by use of an oxidation catalyst in the HRSG and good combustion practice. Emissions shall be limited to 2 ppm,d (at 15% O <sub>2</sub> ), 1-hour average.	EPA RM 10, 40 CFR Part 60, Appendix A, 7/1/10. Each testing event (year) shall alternate between base-load and peak-load operating conditions. Each test shall consist of at least three runs. Testing shall be conducted at a net power output of at least 225 MW, at ambient temperature and pressure. Adequate sampling ports, safe sampling platforms and access to platforms, and utilities, for sampling and testing shall be provided per 40 CFR 60.8. Test plans shall be submitted 30 days prior and written results shall be submitted to Ecology within 60 days of occurrence. Install, calibrate, maintain, and operate, CEMs for CO & O <sub>2</sub> , with an automated data acquisition and handling system, that complies with 40 CFR 60, Appendix B, Performance Specifications, and 40 CFR 60, Appendix F, Quality Assurance Procedures. Records shall be kept of all periods of downtime of the monitors.	Source testing shall be conducted at least once every five years, except that source testing shall be required annually if the limit was exceeded during any of the previous three tests.  CEMS reports shall be submitted at least monthly within 30-days of the end of each calendar month, and shall include: (1) process or control equipment operating parameters; (2) daily maximum and average concentration, in the units of the standard(s), for each pollutant monitored; (3) duration and nature of any monitor down-time; (4) results of any monitor audits or accuracy checks; and (5) results of any required stack tests. For each occurrence of monitored emissions in excess of the standard, the report shall include: (6) time of occurrence; (7) magnitude of the emission or process parameters excess; (8) duration of the excess; (9) probable cause; (10) any corrective actions taken or planned; and (11) any other agency contacted.



	Applicable Requirement (Combined Cycle Unit)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.4.3	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Condition 3.1.3, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9	F	VOCs shall be controlled by use of an oxidation catalyst in the HRSG and good combustion practice	EPA RM 25A, 40 CFR Part 60, Appendix A, 7/1/10. Each testing event (year) shall alternate between base-load and peak-load operating conditions. Each test shall consist of at least three runs. Testing shall be conducted at a net power output of at least 225 MW, at ambient temperature and pressure. Adequate sampling ports, safe sampling platforms and access to platforms, and utilities, for sampling and testing shall be provided per 40 CFR 60.8. Test plans shall be submitted 30 days prior and written results shall be submitted to Ecology within 60 days of occurrence.	Source testing shall be conducted at least once every five years, except that source testing shall be required annually if the limit was exceeded during any of the previous three tests.
5.4.4	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Condition 3.1.4, 3.3.4	F	SO <sub>2</sub> shall be controlled by exclusive use of natural gas and good combustion practice.	None specified.	No additional monitoring required.
5.4.5	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Condition 3.1.5, 3.3.4, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9	F	PM <sub>10</sub> shall be controlled by exclusive use of natural gas and good combustion practice and design.	EPA RM 5 or 17, and 19, 40 CFR Part 60, Appendix A, 7/1/10. Each testing event (year) shall alternate between base-load and peak-load operating conditions. Each test shall consist of at least three runs. Testing shall be conducted at a net power output of at least 225 MW, at ambient temperature and pressure. Adequate sampling ports, safe sampling platforms and access to platforms, and utilities, for sampling and testing shall be provided per 40 CFR 60.8. Test plans shall be submitted 30 days prior and written results shall be submitted to Ecology within 60 days of occurrence.	Source testing shall be conducted at least once every five years, except that source testing shall be required annually if the limit was exceeded during any of the previous three tests.

	Applicable Requirement (Combined Cycle Unit)	Enforceability (Federal - F, State - S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.4.6	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Condition 3.2.1, 3.3.4	F	TAPs shall be controlled by exclusive use of natural gas and good combustion practice.	None specified.	No additional monitoring required.
5.4.7	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Condition 3.2.2, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.4, 3.7.8	F	Ammonia emissions shall be limited to 5 ppm,d at 15% O <sub>2</sub> , 3-hour average.	Bay Area Air Quality Management District Source Test Procedure ST-1B, January 20, 1982. Each testing event (year) shall alternate between base-load and peak-load operating conditions. Each test shall consist of at least three runs. Testing shall be conducted at a net power output of at least 225 MW, at ambient temperature and pressure. Adequate sampling ports, safe sampling platforms and access to platforms, and utilities, for sampling and testing shall be provided per 40 CFR 60.8. Test plans shall be submitted 30 days prior and written results shall be submitted to Ecology within 60 days of occurrence. Install, calibrate, maintain, and operate, CEMs for NH <sub>3</sub> , with an automated data acquisition and handling system, that complies with 40 CFR 60, Appendix B, Performance Specifications, and 40 CFR 60, Appendix F, Quality Assurance Procedures.	<p>Source testing shall be conducted at least once every five years, except that source testing shall be required annually if the limit was exceeded during any of the previous three tests.</p> <p>CEMS reports shall be submitted at least monthly within 30-days of the end of each calendar month, and shall include: (1) process or control equipment operating parameters; (2) daily maximum and average concentration, in the units of the standard(s), for each pollutant monitored; (3) duration and nature of any monitor down-time; (4) results of any monitor audits or accuracy checks; and (5) results of any required stack tests. For each occurrence of monitored emissions in excess of the standard, the report shall include: (6) time of occurrence; (7) magnitude of the emission or process parameters excess; (8) duration of the excess; (9) probable cause; (10) any corrective actions taken or planned; and (11) any other agency contacted.</p> <p>Records shall be kept of all periods of downtime of the monitors. Daily records shall be kept indicating the volume of ammonia maintained on-site and the volume of ammonia used.</p>
5.4.8	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Condition 3.2.3	F	Formaldehyde shall be controlled by use of the oxidation catalyst in the HRSG.	None specified.	No additional monitoring required.
5.4.9	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Condition 3.3.1, 3.7.3	F	Source shall be limited to a calendar year average generating capacity of less than 250 MW <sub>e</sub> , measured using maximum continuous electric generating capacity, less minimum auxiliary load, at average ambient temperature and pressure.	None specified.	A daily log shall be kept of the gross power generation and auxiliary load. The net power generation (gross power generation less the auxiliary load) shall be calculated and averaged, at average ambient temperature and pressure, over the most recent 12-month period, monthly.

	Applicable Requirement (Combined Cycle Unit)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.4.10	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.3	F	$SO_2 \leq 22.2$ lbs/hr and $\leq 3.2$ ppm,d at 15% $O_2$ , 1-hour average.	EPA RM 6, 40 CFR Part 60, Appendix A, 7/1/10. Each testing event (year) shall alternate between base-load and peak-load operating conditions. Each test shall consist of at least three runs. Testing shall be conducted at a net power output of at least 225 MW, at ambient temperature and pressure. Adequate sampling ports, safe sampling platforms and access to platforms, and utilities, for sampling and testing shall be provided per 40 CFR 60.8. Test plans shall be submitted 30 days prior and written results shall be submitted to Ecology within 60 days of occurrence.	Source testing shall be conducted at least once every five years, except that source testing shall be required annually if the limit was exceeded during any of the previous three tests.
5.4.11	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Condition 3.4.4, 3.6.2, 3.7.1, 3.7.11	F	The combined cycle unit shall not exceed 70.2 tpy $NO_x$ and 82.3 tpy CO, including startups and shutdowns	Install, calibrate, maintain, and operate, CEMs for $NO_x$ and CO, with an automated data acquisition and handling system, that complies with 40 CFR Part 75 and 40 CFR 60, Appendix B, Performance Specifications, and 40 CFR 60, Appendix F, Quality Assurance Procedures. Records shall be kept of all periods of downtime of the monitors.	The actual $NO_x$ and CO emissions, including startup and shutdown, from the combined cycle unit, shall be quantified monthly, using CEMS data, over each rolling 12-month period.

Applicable Requirement (Combined Cycle Unit)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.4.12 NOC No. 01AQCR-2037 Third Revision, 5/10/11, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9	F	Sulfuric acid mist shall not exceed 4.6 lbs/hr.	Measured as SO <sub>x</sub> less SO <sub>2</sub> . SO <sub>x</sub> measured by modified ASTM Method D-5504. SO <sub>2</sub> measured by EPA RM 6, July 1, 1999, 40 CFR Part 60, Appendix A, 7/1/10. Each testing event (year) shall alternate between base-load and peak-load operating conditions. Each test shall consist of at least three runs. Testing shall be conducted at a net power output of at least 225 MW, at ambient temperature and pressure. Adequate sampling ports, safe sampling platforms and access to platforms, and utilities, for sampling and testing shall be provided per 40 CFR 60.8. Test plans shall be submitted 30 days prior and written results shall be submitted to Ecology within 60 days of occurrence.	Source testing shall be conducted at least once every five years, except that source testing shall be required annually if the limit was exceeded during any of the previous three tests.

5.4a Combined Cycle Unit @ Base Load. The following requirements apply to the COMBINED CYCLE UNIT WHEN OPERATING AT BASE LOAD (i.e., Duct Burner NOT in use) made up of the Gas Turbine, Heat Recovery Steam Generator, Selective Catalytic Reduction unit, and the Steam Generator, sharing a single emission exhaust stack.

Applicable Requirement (Base Load)	Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.4a.1 NOC No. 01AQCR-2037 Third Revision, 5/10/11, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.8	F	NO <sub>x</sub> ≤ 316.8 lbs/24-hrs and ≤ 2.0 ppm,d at 15% O <sub>2</sub> , 3-hour average, except during start-up or shut-down.	As specified in applicable requirement 5.4.1.	Comply with applicable requirement for 5.4.1.

Applicable Requirement (Base Load)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.4a.2	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.8	F	CO < 8.0 lbs/hr and ≤ 2.0 ppm <sub>d</sub> at 15% O <sub>2</sub> , 1-hour average, except during start-up or shut-down.	As specified in applicable requirement 5.4.2.	Comply with applicable requirement for 5.4.2.
5.4a.3	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9	F	VOC ≤ 2.8 lbs/hr and ≤ 6.0 ppm <sub>d</sub> at 15% O <sub>2</sub> , 1-hour average, except during start-up or shut-down.	As specified in applicable requirement 5.4.3.	Comply with applicable requirement for 5.4.3.
5.4a.4	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9	F	PM ≤ 22.3 lbs/hr	As specified in applicable requirement 5.4.5.	Comply with applicable requirement for 5.4.5.
5.4a.5	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.4, 3.7.8	F	NH <sub>3</sub> ≤ 12.20 lbs/hr.	As specified in applicable requirement 5.4.7.	Comply with applicable requirement for 5.4.7.
5.4a.6	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Condition 3.4.1	F	Individual TAP emissions shall not exceed (lb/hr): Acetaldehyde 0.3182 Benzene 0.0328 Formaldehyde 0.4072 Nickel 0.0036 PAH 0.0014 Propylene Oxide 0.0496	None specified.	No additional monitoring required.

5.4b Combined Cycle Unit @ Peak Load. The following requirements apply to the COMBINED CYCLE UNIT WHEN OPERATING AT PEAK LOAD (i.e., Duct Burner in use) made up of the Gas Turbine, Heat Recovery Steam Generator, Duct Burner, Selective Catalytic Reduction unit, and the Steam Generator, sharing a single emission exhaust stack.

Applicable Requirement (Peak Load)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.4b.1	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Conditions 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.8	F	$\text{NO}_x \leq 357.6 \text{ lbs/24-hrs}$ and $\leq 2.0 \text{ ppm}_d$ at 15% $\text{O}_2$ , 3-hour average, except during start-up or shut-down.	As specified in applicable requirement 5.4.1.	Comply with applicable requirement for 5.4.1.
5.4b.2	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Condition 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.8	F	$\text{CO} \leq 9.1 \text{ lbs/hr}$ and $\leq 2.0 \text{ ppm}_d$ at 15% $\text{O}_2$ , 1-hour average, except during start-up or shut-down.	As specified in applicable requirement 5.4.2.	Comply with applicable requirement for 5.4.2.
5.4b.3	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Condition 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9	F	$\text{VOC} \leq 13.3 \text{ lbs/hr}$ and $\leq 6.0 \text{ ppm}_d$ at 15% $\text{O}_2$ , 1-hour average, except during start-up or shut-down.	As specified in applicable requirement 5.4.3.	Comply with applicable requirement for 5.4.3.
5.4b.4	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Condition 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9	F	$\text{PM} \leq 22.3 \text{ lbs/hr}$	As specified in applicable requirement 5.4.5.	Comply with applicable requirement for 5.4.5.
5.4b.5	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Condition 3.4.1, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9, 3.6.2, 3.7.1, 3.7.4, 3.7.8	F	$\text{NH}_3 \leq 13.75 \text{ lbs/hr}$ .	As specified in applicable requirement 5.4.7.	Comply with applicable requirement for 5.4.7.

Applicable Requirement (Peak Load)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.4b.6	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Condition 3.4.1	F	Individual TAP emissions shall not exceed (lb/hr): Acetaldehyde 0.3 56 Benzene 0.0388 Formaldehyde 0.4806 Nickel 0.0043 PAH 0.0016 Propylene Oxide 0.0586	None specified.	No additional monitoring required.

5.5 Backup Generator. The following requirements apply to BACKUP GENERATOR.

Applicable Requirement (Backup Generator)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.5.1	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Condition 3.3.6, 3.7.5	F	Backup generator shall be limited to 500 hours per rolling 12-month period of operation. The permittee shall operate the backup generator only as needed for maintenance and to provide emergency power.	None specified.	Keep a log of actual backup generator and firewater diesel pump operation shall be kept. The log shall identify the reason for operation, hours of operation, fuel type, fuel consumption, and fuel sulfur content.

5.6 Firewater Pump. The following requirements apply to FIREWATER PUMP.

Applicable Requirement (Firewater Pump)		Enforceability (Federal = F, State = S)	Description (for clarification purposes only, enforceable as listed under 'applicable requirement')	Monitoring and Analysis Procedure or Test Method	Monitoring, Recordkeeping, and Reporting to be Performed by Permittee
5.6.1	NOC No. 01AQCR-2037 Third Revision, 5/10/11, Condition 3.3.6, 3.7.5	F	Firewater diesel pump shall be limited to 500 hours per rolling 12-month period of operation. The permittee shall operate the firewater pump only as needed for maintenance and to provide fire suppression water.	None specified.	Keep a log of actual backup generator and firewater diesel pump operation shall be kept. The log shall identify the reason for operation, hours of operation, fuel type, fuel consumption, and fuel sulfur content.

## 6.0 INAPPLICABLE REQUIREMENTS

Ecology has determined that the entire source, including all emission units, is not subject to the following requirements at the time of permit issuance. Some of the requirements listed below may become applicable during the permit term due to an invoking event, even though the requirement is deemed inapplicable at the time of permit issuance. Such requirements shall be met on a timely basis by the permittee by submittal of a compliance schedule therefore, per WAC 173-401-510(2)(h)(iii)(B).

Inapplicable Requirement	Title	Explanation
40 CFR Part 64	Compliance Assurance Monitoring	40 CFR 60.2(b)(1)(vi), exempts units from CAM if CEM is employed. While combustion turbine has pre-controlled PTE > 100 TPY NO <sub>x</sub> & CO, both a NO <sub>x</sub> & CO CEMS are employed.
40 CFR Part 68	Chemical Accident Provisions	While ammonia is a listed substance, it is not limited for concentrations less than 20%. Permittee has storage capacity of 9,000 gallons of aqueous ammonia, but the aqueous ammonia is limited to 19 1/2 %.
40 CFR Part 63 Subpart Q	National Emission Standards for Hazardous Air Pollutants for Industrial Process Cooling Towers	Permittee does not use any chromium-based water treatment chemicals.
40 CFR Part 63 Subpart YYYY	National Emission Standards for Hazardous Air Pollutants for Stationary Combustion Turbines	Combustion turbine predates applicability & is not major for HAPs.
WAC 173-400-099	Registration Program	WAC 173-400-101(7), exempts AOP sources.



## 7.0 PHASE II ACID RAIN PERMIT

### 7.1 SHIELD AND OBLIGATION

7.1.1 Permit shield. Each affected unit, specifically identified herein, operated in accordance with this Acid Rain permit shall be deemed to be operating in compliance with the Acid Rain Program, except as provided in 40 CFR 72.9(g)(6). [WAC 173-406-502, 11/23/94; 40 CFR 72.51]

7.1.2 Permit obligation. The owners and operators shall operate each affected unit in compliance with this Permit. Each affected source and each affected unit shall meet the requirements of the Acid Rain Program. [WAC 173-406-106(1)(b) & (7)(d), 11/23/94; 40 CFR 72.9(g)(4); 40 CFR 72.9(a)(2); 40 CFR 72.30(a)]

### 7.2 STANDARD CONDITIONS

7.2.1 General obligation. The requirements of 40 CFR 75 and regulations implementing section 407 of the FCAA shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the act, applicable requirements of Title 173 WAC, and other provisions of the operating permit for the source. [WAC 173-406-106(2)(c), 11/23/94]

7.2.2 Applicability. Any provision of the acid rain program that applies to the affected source, or the affected unit, shall also apply to the owners and operators. [WAC 173-406-106(7)(e) & (7)(f), 11/23/94]

7.2.3 Designated representative. The designated representative of the source shall represent and, by his or her actions, inactions, or submissions, legally bind each owner and operator of the affected source represented and each affected unit at the source in all matters pertaining to the Acid Rain Program, notwithstanding any agreement between the designated representative and such owners and operators. The owners and operators shall be bound by any order issued to the designated representative by the USEPA, Ecology, or a court. [WAC 173-406-201(1), 11/23/94; 40 CFR 72.20(b)]

7.2.4 Authorized account representative.

7.2.4.1 Following the establishment of an Allowance Tracking System account, all matters pertaining to the account, including, but not limited to, the deduction and transfer of allowances in the account, shall be undertaken only by the authorized account representative. The authorized account representative for a general account shall notify, in writing, all persons who have an ownership interest with respect to the allowances held in the account of any Acid Rain Program submission required by 40 CFR 73 or in a procedure under 40 CFR 78, by the date of submission. Each person who has an ownership interest with respect to the allowances held in the account may expressly waive his or her right to receive such notification. [40 CFR 73.33(a), (c)]

7.2.4.2 Identification of allowances by serial number. By no later than **March 1<sup>st</sup>** of each calendar year, for the previous calendar year, the authorized account representative for each affected unit account may identify by serial number the allowances to be deducted from the compliance subaccount for purposes of compliance with the unit's SO<sub>2</sub> emissions limitation requirements. Such identification shall be made pursuant to 40 CFR 72. [40 CFR 73.35(c)(1)]

[WAC 173-406-106(3), 11/23/94]

7.2.5 SO<sub>2</sub> allowances. The owners and operators shall hold allowances, as of the allowance transfer deadline, in the affected unit's compliance subaccount (after deductions under 40 CFR 73.34(c)) not less than the total annual emissions of SO<sub>2</sub> for the previous calendar year from the affected unit. [WAC 173-406-106(3)(a)(i), 11/23/94; 40 CFR 72.9(c)(1); 40 CFR 72.9(c)(3)(iv)]

7.2.6 Permit revisions.

7.2.6.1 Permit Revisions shall be made according to 40 CFR 72 subpart H. [40 CFR 72 subpart H]

7.2.6.2 Any designated representative who fails to submit any relevant information or who has submitted incorrect information in a permit revision shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary information or corrected information to Ecology.

[WAC 173-406-701, 11/23/94; 40 CFR 72.80(g)]

7.2.7 Duty to reapply.

7.2.7.1 This permit is issued for a term, not to exceed five (5) years. The owners and operators right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted no later than **January 4, 2011**. The designated representative shall submit a complete Acid Rain permit application, to Ecology, and shall include the following elements in a format prescribed by Ecology:

7.2.7.1.1 The original and three copies of all permit applications

7.2.7.1.2 Identification of the affected source for which the permit application is submitted;

7.2.7.1.3 Identification of each affected unit at the source for which the permit application is submitted;

7.2.7.1.4 A complete compliance plan, including certification that, for SO<sub>2</sub> emissions, as of the allowance transfer deadline, the designated representative will hold allowances in the affected unit's compliance subaccount (after deductions under 40 CFR 73.34(c) of this chapter), not less than the total annual emissions of SO<sub>2</sub> from the affected unit.

7.2.7.1.5 The standard requirements under 40 CFR 72.9.

7.2.7.1.6 The date that the affected unit has commenced or will commence operation and the deadline for monitor certification.

[WAC 173-406-106(1)(a)(i), 11/23/94; WAC 173-406-106(3) & (4), 11/23/94; WAC 173-406-302, 11/23/94; WAC 173-406-401(1), 11/23/94]

7.2.7.2 Submit in a timely manner any supplemental information that Ecology determines is necessary in order to review the Acid Rain permit application and issue or deny an Acid Rain permit.

[WAC 173-406-106(1)(a)(ii), 11/23/94; 40 CFR 72.9(a)(1)(iii); 40 CFR 72.30(a),(c), (d); 40 CFR 72.31; 40 CFR 72.40(a)]

[WAC 173-605(1), 11/23/94; RCW 70.94.221, 2000 (S)]

### 7.3 Monitoring

7.3.1 Duty to monitor. The owners and operators and, to the extent applicable, designated representative shall comply with the monitoring requirements as provided in 40 CFR 75. No owner or operator of an affected unit shall operate the unit without complying with the requirements of 40 CFR 75.2 through 75.75 and appendices A through G. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 72.9(b)(1); 40 CFR 75.5(b)]

7.3.2 Monitoring provisions. The owner or operator shall install, certify, operate, and maintain, in accordance with all the requirements of 40 CFR 75, a NO<sub>x</sub> CEMS (consisting of a NO<sub>x</sub> pollutant concentration monitor and an O<sub>2</sub> diluent gas monitor) with the automated data acquisition and handling system for measuring and recording NO<sub>x</sub> concentration (in ppm), O<sub>2</sub> concentration (in percent O<sub>2</sub>) and NO<sub>x</sub> emission rate (in lb/mmBtu) discharged to the atmosphere. The owner or operator shall account for total NO<sub>x</sub> emissions, both NO and NO<sub>x</sub>, either by monitoring for both NO and NO<sub>x</sub> or by monitoring for NO only and adjusting the emissions data to account for NO<sub>x</sub>. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.10(a)(2)]

7.3.3 CEMS. The owner or operator shall operate, calibrate and maintain each CEMS used to report emission data under the Acid Rain Program according to 40 CFR 75.21. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.21]

7.3.4 SO<sub>2</sub> emission monitoring. The owner or operator shall ensure that an excepted monitoring system under 40 CFR 75 appendix D meets the applicable general operating requirements of 40 CFR 75.10, the applicable requirements of appendix D, and the initial certification or recertification requirements of 40 CFR 75.20(g). [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.20(g)]

7.3.5 NO<sub>x</sub> CEMS. The owner or operator shall meet the general operating requirements in 40 CFR 75.10 for a NO<sub>x</sub>-diluent CEMS, except as provided in accordance with subpart E of this part. However, the heat input apportionment provisions in section 2.1.2 of 40 CFR 75 appendix D shall not be used to meet the NO<sub>x</sub> mass reporting provisions of this subpart, except as provided in 40 CFR 75.72(a). [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.71(c)(2)]

7.3.6 Primary equipment performance requirements. The owner or operator shall ensure that each CEMS required by 40 CFR 75 meets the equipment, installation, and performance specifications in 40 CFR 75 appendix A; and is maintained according to the quality assurance and quality control procedures in 40 CFR 75 appendix B; and shall record NO<sub>x</sub> emissions in the appropriate units of measurement (i.e., lb/mmBtu for NO<sub>x</sub>). [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.10(b)]

#### 7.3.7 CEMS recertification.

7.3.7.1 The owner or operator shall recertify the CEMS according to 40 CFR 75.20, whenever:

7.3.7.1.1 A replacement, modification, or change in a certified CEMS that may significantly affect the ability of the system to accurately measure or record the NO<sub>x</sub> emission rate, or to meet the requirements of 40 CFR 75.21 or 40 CFR 75 appendix B.

7.3.7.1.2 A replacement, modification, or change to the flue gas handling system or the affected unit operation may significantly change the flow or concentration profile.

7.3.7.1.3 The monitor path length changes.

7.3.7.1.4 Any change to a gas monitoring system for which a RATA is not necessary.

- 7.3.7.2 The data validation procedures in 40 CFR 75.20(b)(3) shall be applied to RATAs associated with changes to flow or moisture monitor coefficients, and to linearity checks, 7-day calibration error tests, and cycle time tests, when these are required as diagnostic tests.
- 7.3.7.3 Tests required.
- 7.3.7.3.1 For all recertification testing, the owner or operator shall complete all initial certification tests in 40 CFR 75.20(c) that are applicable to the monitoring system, including.
- 7.3.7.3.1.1 For each NO<sub>x</sub>-diluent CEMS:
- 7.3.7.3.1.2 O<sub>2</sub> diluent gas monitor certified for use in a NO<sub>x</sub> CEMS may be submitted to meet the requirements of 40 CFR 75.20 (c)(4).
- 7.3.7.3.1.3 For the automated data acquisition and handling system
- 7.3.7.3.2 For diagnostic testing after changing the K factor or mathematical algorithm of a moisture monitoring system, the owner or operator shall complete a RATA.
- 7.3.7.4 Notification. The owner, operator, or designated representative shall submit notice of testing dates for recertification under this paragraph as specified in 40 CFR 75.61(a)(1)(ii).
- 7.3.7.5 Data validation. The data validation provisions in 40 CFR 75.20(b)(3)(i) through (b)(3)(ix) shall apply to all CEMS recertifications and diagnostic testing. The provisions in 40 CFR 75.20(b)(3)(ii) through (b)(3)(ix) may also be applied to initial certifications and may be used to supplement the linearity check and RATA data validation procedures in sections 2.2.3(b) and 2.3.2(b) of 40 CFR 75 appendix B.
- 7.3.7.6 Recertification application. The designated representative shall apply for recertification of each CEMS used under the Acid Rain Program. The owner or operator shall submit the recertification application in accordance with 40 CFR 75.60, and each complete recertification application shall include the information specified in 40 CFR 75.63.

[WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.20(b), (c)]

7.3.8 Monitoring plan.

- 7.3.8.1 General provisions. The owner or operator shall meet the requirements of 40 CFR 75.53 paragraphs (a), (b), (c) and (f).
- 7.3.8.2 The owner or operator shall prepare and maintain a monitoring plan. Except as provided in 40 CFR 75.53(f) (as applicable), a monitoring plan shall contain sufficient information on the CEMS, excepted monitoring systems under 40 CFR 75 appendix D and the use of data derived from these systems to demonstrate that all unit NO<sub>x</sub> emissions are monitored and reported.
- 7.3.8.3 Whenever the owner or operator makes a replacement, modification, or change in the certified CEMS, excepted monitoring system under 40 CFR 75 appendix D, including a change in the automated data acquisition and handling system or in the flue gas handling system, that affects information reported in the monitoring plan, then the owner or operator shall update the monitoring plan.
- 7.3.8.4 Contents of the monitoring plan. Each monitoring plan shall contain the information in 40 CFR 75.53(e)(1) and (f)(1)(i) and (f)(g) in electronic format and the information in 40 CFR 75.53(e)(2) and (f)(1)(ii) in hardcopy format. Electronic storage of all monitoring plan information, including the hardcopy portions, is permissible provided that a paper copy of the information can be furnished upon request for audit purposes. Additionally, for each monitoring system recertification, maintenance, or other event, the designated representative shall include the information in 40 CFR 75.53(f)(4) in electronic format.

[WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.53(a), (b), (e), (f)]

7.3.9 Primary equipment hourly operating requirements. The owner or operator shall ensure that all CEMS required by 40 CFR 75 are in operation and monitoring unit emissions at all times that the affected unit combusts any fuel except as provided in 40 CFR 75.11(e) and during periods of calibration, quality assurance, or preventive maintenance, performed pursuant 40 CFR 75.21 and appendix B, periods of repair, periods of backups of data from the data acquisition and handling system, or recertification performed pursuant to 40 CFR 75.20. The owner or operator shall ensure that the following requirements are met:

- 7.3.9.1 Each CEMS and component thereof is capable of completing a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-min interval. The owner or operator shall reduce all O<sub>2</sub> concentration, NO<sub>x</sub> concentration, and NO<sub>x</sub> emission rate data collected by the monitors to hourly averages. Hourly averages shall be computed using at least one data point in each fifteen minute quadrant of an hour, where the unit combusted fuel during that quadrant of an hour. Notwithstanding this requirement, an hourly average may be computed from at least two data points separated by a minimum of 15 minutes (where the unit operates for more than one quadrant of an hour) if data are unavailable as a result of the performance of calibration, quality assurance, or preventive maintenance activities pursuant to 40 CFR 75.21 and appendix B, backups of data from the data acquisition and handling system, or recertification, pursuant to 40 CFR 75.20. The owner or operator shall use all valid measurements or data points collected

during an hour to calculate the hourly averages. All data points collected during an hour shall be, to the extent practicable, evenly spaced over the hour.

- 7.3.9.2 If a valid hour of data is not obtained, the owner or operator shall estimate and record emissions for the missing hour by means of the automated data acquisition and handling system, in accordance with the applicable procedure for missing data substitution in 40 CFR 75 subpart D.

[WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.10(d)]

7.3.10 CEMS obligation.

- 7.3.10.1 No owner or operator shall disrupt the CEMS, any portion thereof, or any other approved emission monitoring method, and thereby avoid monitoring and recording NO<sub>x</sub> emissions discharged to the atmosphere, except for periods of recertification, or periods when calibration, quality assurance, or maintenance is performed pursuant to 40 CFR 75.21 and appendix B. [40 CFR 75.5(e)]

- 7.3.10.2 No owner or operator shall retire or permanently discontinue use of the CEMS, any component thereof, or any other approved emission monitoring system under 40 CFR 75, except under any one of the circumstances listed in 40 CFR 75.5(f).

[WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.5(e), (f)]

- 7.3.11 Heat input measurement requirement. The owner or operator shall determine and record the heat input to each affected unit for every hour or part of an hour any fuel is combusted following the procedures in 40 CFR 75 appendix F. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.10(c)]

- 7.3.12 Minimum measurement capability requirement. The owner or operator shall ensure that each CEMS and component thereof is capable of accurately measuring, recording, and reporting data, and shall not incur an exceedance of the full scale range, except as provided in sections 2.1.1.5, 2.1.2.5, and 2.1.4.3 of 40 CFR 75 appendix A. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.10(f)]

- 7.3.13 Minimum recording and reporting requirements. The owner or operator shall record and the designated representative shall report the hourly, daily, quarterly, and annual information collected under the requirements of this part as specified in 40 CFR 75 subparts F and G. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.10(g)]

- 7.3.14 Precision criteria. Data collection, analysis, screening, calculation adjustments, and statistical tests shall be performed according to 40 CFR 75.41. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.41]

7.4 Recordkeeping

7.4.1 Record retention.

- 7.4.1.1 The owners and operators shall keep on site at the affected source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the USEPA or Ecology.

- 7.4.1.1.1 The certificate of representation and all documents that demonstrate the truth of the statements in the certificate of representation, provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation

- 7.4.1.1.2 All emissions monitoring information, in accordance with part 40 CFR 75, provided that to the extent that 40 CFR 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.

- 7.4.1.1.3 Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program.

- 7.4.1.1.4 Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.

[WAC 173-406-106(6), 11/23/94; 40 CFR 72.9(f)(1)]

- 7.4.1.2 Recordkeeping requirement. The owner or operator shall maintain for each affected unit a file of all data and information required under 40 CFR 75.57(a), at the source, in a form suitable for inspection, for at least three (3) years from the date of each record. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.57]

- 7.4.2 CEMS records. The owner or operator shall record the applicable information in 40 CFR 75.59 for each certified monitor or certified monitoring system measuring and recording emissions from an affected unit, including:

- 7.4.2.1 For each NO<sub>x</sub> pollutant concentration monitor or diluent gas monitor (including wet- and dry-basis O<sub>2</sub> monitors used to determine percent moisture), the owner or operator shall record the information in 40 CFR 75.59(a) for all calibration error tests and all off-line calibration demonstrations, including any follow-up tests after corrective action.

- 7.4.2.2 The owner or operator shall record the applicable information from 40 CFR 75.59(b) for each accepted monitoring system following the requirements of 40 CFR 75 appendix D for determining excepted monitoring and recording emissions from an affected unit.
- 7.4.2.3 The owner or operator shall keep the records, required by 40 CFR 75.59(c) on-site in the quality assurance/quality control plan required by section 1 of 40 CFR 75 appendix B.  
[WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.59]
- 7.4.3 General recordkeeping. The owner or operator shall maintain a file of all measurements, data, reports, and other information required by 40 CFR 75 at the source in a form suitable for inspection for at least three (3) years from the date of each record. Except for the certification data required in 40 CFR 75.57(a)(4) and the initial submission of the monitoring plan required in 40 CFR 75.57(a)(5), the data shall be collected beginning with the earlier of the date of provisional certification or the deadline in 40 CFR 75.70. The certification data required in 40 CFR 75.57(a)(4) shall be collected beginning with the date of the first certification test performed. The file shall contain the information specified in 40 CFR 75.73(a). [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.73(a)]
- 7.4.4 Monitoring plan recordkeeping. Whenever the owner or operator makes a replacement, modification, or change in the certified CEMS, excepted methodology 40 CFR Sec. 75.19, excepted monitoring system under 40 CFR 75 appendix E, including a change in the automated data acquisition and handling system or in the flue gas handling system, that affects information reported in the monitoring plan, then the owner or operator shall update the monitoring plan.  
[WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.73(c)]
- 7.4.5 Emissions. No owner or operator shall operate the affected unit so as to discharge, or allow to be discharged, emissions of SO<sub>2</sub>, NO<sub>x</sub>, or CO<sub>2</sub> to the atmosphere without accounting for all such emissions in accordance with the provisions of 40 CFR 75.10 through 75.19. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.5(d)]
- 7.4.6 SO<sub>2</sub> emissions. The owner or operator shall measure and record SO<sub>2</sub> emissions by providing other information satisfactory to EPA using the applicable procedures specified in 40 CFR 75 appendix D for estimating hourly SO<sub>2</sub> mass emissions. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.11(d)]
- 7.4.7 SO<sub>2</sub> allowances.
- 7.4.7.1 The following formula shall be used to determine the total number of allowances to be deducted for the calendar year from the allowances held in an affected unit's compliance subaccount as of the allowance transfer deadline applicable to that year:
- Total allowances deducted = Tons emitted + Allowances surrendered for underutilization
- where:
- "Tons emitted" is the total tons of SO<sub>2</sub> emitted by the unit during the calendar year, as reported in accordance with 40 CFR 75.
- "Allowances surrendered for underutilization" is the total number of allowances calculated in accordance with 40 CFR 72.92 (a) and (c).  
[40 CFR 72.95]
- 7.4.7.2 Calculation rounding. All allowances under 40 CFR 72 and 73 shall be allocated as whole allowances. All calculations for such allowances shall be rounded down for decimals less than 0.500 and up for decimals of 0.500 or greater. [40 CFR 73.12(a)]  
[WAC 173-406-106(3), 11/23/94]
- 7.4.8 NO<sub>x</sub> emissions. The owner or operator shall calculate hourly, quarterly, and annual NO<sub>x</sub> emission rates (in lb/mmBtu) by combining the NO<sub>x</sub> concentration (in ppm), and diluent concentration (in percent O<sub>2</sub>), measurements according to the procedures in 40 CFR 75 appendix F. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.12(c)]
- 7.4.9 NO<sub>x</sub> mass emissions. Except as provided in paragraphs (e) and (f) of 40 CFR 75.72, the owner or operator shall calculate hourly NO<sub>x</sub> mass emissions (in lbs) by multiplying the hourly NO<sub>x</sub> emission rate (in lbs/mmBtu) by the hourly heat input (in mmBtu/hr) and the hourly operating time (in hr). The owner or operator shall also calculate quarterly and cumulative year-to-date NO<sub>x</sub> mass emissions and cumulative NO<sub>x</sub> mass emissions for the ozone season (in tons) by summing the hourly NO<sub>x</sub> mass emissions according to the procedures in section 8 of 40 CFR 75 appendix F. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.72 1<sup>st</sup> paragraph]
- 7.4.10 Out-of-control periods and system bias.
- 7.4.10.1 If an out-of-control period occurs to a monitor or CEMS, the owner or operator shall take corrective action and repeat the tests applicable to the "out-of-control parameter" as described in 40 CFR 75 appendix B.

- 7.4.10.2 When a monitor or CEMS is out-of-control, any data recorded by the monitor or monitoring system are not quality-assured and shall not be used in calculating monitor data availabilities pursuant to 40 CFR 75.32.
- 7.4.10.3 When a monitor or CEMS is out-of-control, the owner or operator shall take action under 40 CFR 75.24(c) until the monitor or monitoring system has successfully met the relevant criteria in 40 CFR 75 appendices A and B as demonstrated by subsequent tests.
- 7.4.10.4 When the bias test indicates that a NO<sub>x</sub> concentration monitoring system used to determine NO<sub>x</sub> mass emissions, as defined in 40 CFR 75.71(a)(2), is biased low the owner or operator shall adjust the monitor or CEMS to eliminate the cause of bias such that it passes the bias test or calculate and use the bias adjustment factor as specified in section 2.3.4 of 40 CFR 75 appendix B.  
[WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.24(a), (b), (c), (d)]
- 7.4.11 Missing data procedures for NO<sub>x</sub>. The owner or operator shall either record the applicable information in 40 CFR 75.58(b)(3) for each hour of missing NO<sub>x</sub> emission rate (in addition to other information), or shall record the information in 40 CFR 75.58(b)(2). [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.58]
- 7.4.12 NO<sub>x</sub> emission controls.
- 7.4.12.1 The owner or operator shall use one of the options in 40 CFR 75.34(a) for each hour in which quality-assured data from the outlet NO<sub>x</sub> monitoring system(s) are not obtained.
- 7.4.12.2 The owner or operator shall keep records of information as described in 40 CFR 75 subpart F to verify the proper operation of the NO<sub>x</sub> emission controls during all periods of NO<sub>x</sub> emission missing data.  
[WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.34(a), (d)]
- 7.4.13 Missing data procedures for heat input determinations. When hourly heat input is determined using a diluent gas (O<sub>2</sub>) monitor, substitute data must be provided to calculate the heat input whenever quality assured data are unavailable from the flow monitor, the diluent gas monitor, or both, according to 40 CFR 75.36. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.36]
- 7.4.14 Missing data procedures for moisture. The owner or operator of an affected unit with a continuous moisture monitoring system shall substitute for missing moisture data using the procedures of 40 CFR 75.37. [WAC 173-406-106(2)(a), 11/23/94; 40 CFR 75.37]

## 7.5 Reporting

- 7.5.1 Addresses. All reporting, shall be sent to the identified entity at the corresponding address(es), as listed below:

**Department of Ecology**

Section Manager  
Central Regional Office  
15 West Yakima Avenue, Suite 200  
Yakima, WA 98902

**USEPA**

Acid Rain Program (6204N)  
1200 Pennsylvania Avenue, NW  
Washington DC 20460

**EPA Region 10**

Director  
EPA Office of Air Quality  
1200 Sixth Avenue, OAQ 107  
Seattle, WA 98101

**Director**

Acid Rain Division (6204J)  
401 M Street, SW  
Washington DC 20460

- 7.5.2 Certification by designated representative. Each submission under the Acid Rain Program shall be submitted, signed, and certified by the designated representative. The designated representative shall certify, by his or her signature:
- 7.5.2.1 "I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made."

7.5.2.2 "I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."

[WAC 173-406-201(2) & (3), 11/23/94; 40 CFR 72.21(a), (b)]

7.5.3 Designated representative reporting. The designated representative shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR 72 subpart I and 40 CFR 75. [40 CFR 72.9(f)(2)] The designated representative shall comply with all reporting requirements of 40 CFR 75 and with the signatory requirements of 40 CFR 72.21 for all submissions. The designated representative shall comply with all reporting requirements in 40 CFR 75.73. The designated representative shall submit all reports and petitions (except as provided in Sec. 75.61) as follows:

7.5.3.1 Initial certifications. The designated representative shall submit initial certification applications according to 40 CFR 75.63, and initial certification and recertification applications in accordance with 40 CFR 75.70(d).

7.5.3.2 Recertifications. The designated representative shall submit recertification applications according to 40 CFR 75.63.

7.5.3.3 Monitoring plans. The designated representative shall submit monitoring plans according to 40 CFR 75.62 and in accordance with 40 CFR 75.70(e). Monitoring plan reporting shall be completed as follows:

7.5.3.3.1 Electronic submission. The designated representative shall submit a complete, electronic, up-to-date monitoring plan file (except for hardcopy portions identified in paragraph (e)(2) of this section) as follows:

7.5.3.3.1.1 To Ecology, no later than 45 days prior to the initial certification test and at the time of recertification application submission; and

7.5.3.3.1.2 To the USEPA, no later than 45 days prior to the initial certification test, at the time of submission of a recertification application, and in each electronic quarterly report.

7.5.3.3.2 Hardcopy submission. The designated representative shall submit all of the hardcopy information required under 40 CFR 75.53, to Ecology prior to initial certification. Thereafter, the designated representative shall submit hardcopy information only if that portion of the monitoring plan is revised. The designated representative shall submit the required hardcopy information as follows: no later than 45 days prior to the initial certification test; with any recertification application, if a hardcopy monitoring plan change is associated with the recertification event; and within 30 days of any other event with which a hardcopy monitoring plan change is associated, pursuant to 40 CFR 75.53(b).

7.5.3.4 Electronic quarterly reports. The designated representative shall submit electronic quarterly reports according to 40 CFR 75.64 and in accordance with 40 CFR 75.70(f). Quarterly reports shall be submitted as follows:

7.5.3.4.1 Electronic submission. The designated representative shall electronically report the data and information in 40 CFR 75.73(f)(1), (2) and (3) to the USEPA quarterly. Each electronic report must be submitted to the USEPA within 30 days following the end of each calendar quarter. Each electronic report shall include the date of report generation, for the information provided in 40 CFR 75.73(f)(1)(ii) through (1)(vi), and shall also include the requirements listed at 40 CFR 75.73(f)(1).

7.5.3.4.2 The designated representative shall certify that the component and system identification codes and formulas in the quarterly electronic reports submitted to the USEPA pursuant to 40 CFR 75.73(e) represent current operating conditions.

7.5.3.4.3 Compliance certification. The designated representative shall submit and sign a compliance certification in support of each quarterly emissions monitoring report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall include the required statements of 40 CFR 75.73(f)(3).

7.5.3.4.4 The designated representative shall comply with all of the quarterly reporting requirements in 40 CFR 75.64(d), (f), and (g).

7.5.3.5 Notifications. The designated representative shall submit written notice to Ecology according to the provisions in 40 CFR 75.61.

7.5.3.6 Other petitions and communications. The designated representative shall submit petitions, correspondence, application forms, designated representative signature, and petition-related test results in hardcopy to the USEPA in accordance with 40 CFR 75.70(h). Additional petition requirements are specified in 40 CFR 75.66 and 75.67.

[WAC 173-406-106(6)(c), 11/23/94; 40 CFR 75.60(a), (b); 40 CFR 75.73]

7.5.4 Submissions. The designated representative for an affected unit (or owner or operator, as specified) shall submit notice to the USEPA, to the EPA Region 10 Office, and Ecology for the following purposes:

7.5.4.1 Recertification. The owner or operator or designated representative shall submit written notification of recertification tests, and revised test dates as specified in 40 CFR 75.20 for CEMS, except as provided in paragraphs 40 CFR 75.61(a)(1)(iii), (a)(1)(iv) and (a)(4) and except for testing only of the data acquisition and handling system. Each application for initial certification or recertification shall contain the information, and be in the format, specified in 40 CFR 75.63(b) and (c).

7.5.4.2 Recertifications.

7.5.4.2.1 Within 45 days after completing all recertification tests, submit to the USEPA the electronic information required by 40 CFR 75.63(b)(1) and a hardcopy certification application form (EPA form 7610-14). Except for subpart E applications for alternative monitoring systems or unless specifically requested by the USEPA, do not submit a hardcopy of the test data and results to the USEPA.

7.5.4.2.2 Within 45 days after completing all recertification tests, submit the hardcopy information required by 40 CFR 75.63(b)(2) to the EPA Region 10 Office and Ecology

7.5.4.3 Periodic relative accuracy test audits. The owner or operator or designated representative shall submit written notice of the date of periodic relative accuracy testing performed under appendix B of this part no later than 21 days prior to the first scheduled day of testing. Testing may be performed on a date other than that already provided in a notice, as long as notice of the new date is provided either in writing or by telephone or other means acceptable to the respective State agency or office of EPA, and the notice is provided as soon as practicable after the new testing date is known, but no later than twenty-four (24) hours in advance of the new date of testing. Written notification may be provided either by mail, facsimile, or electronic mail.

[WAC 173-406-106(6)(c), 11/23/94; 40 CFR 75.61(a); 40 CFR 75.63]

7.5.5 Monitoring plan.

7.5.5.1 Electronic. Using the format specified by the USEPA, the designated representative shall submit a complete, electronic, up-to-date monitoring plan file (except for hardcopy portions identified in (2) of this section) to the USEPA at the time of recertification application submission and in each electronic quarterly report.

7.5.5.2 Hardcopy. The designated representative shall submit all of the hardcopy information required in 40 CFR 75.53 to the EPA Region 10 Office and Ecology prior to initial certification. Thereafter, the designated representative shall submit hardcopy information only if that portion of the monitoring plan is revised. The designated representative shall submit the required hardcopy information as follows: with any recertification application, if a hardcopy monitoring plan change is associated with the recertification event and within 30 days of any other event with which a hardcopy monitoring plan change is associated, pursuant to 40 CFR 75.53(b). Electronic submittal of all monitoring plan information, including hardcopy portions, is permissible provided that a paper copy of the hardcopy portions can be furnished upon request.

7.5.5.3 Contents. Monitoring plans shall contain the information specified in 40 CFR 75.53.

[WAC 173-406-106(6)(c), 11/23/94; 40 CFR 75.62]

7.5.6 Quarterly reports.

7.5.6.1 Electronic submission. The designated representative shall electronically report the data and information in 40 CFR 75.64(a), (b), and (c) to the USEPA quarterly, beginning with the data from the later of: the calendar quarter corresponding to the date of provisional certification; or the calendar quarter corresponding to the relevant deadline for initial certification in 40 CFR 75.4(a), (b), or (c), whichever quarter is earlier. The initial quarterly report shall contain hourly data beginning with the hour of provisional certification or the hour corresponding to the relevant certification deadline, whichever is earlier. For any provisionally-certified monitoring system, 40 CFR 75.20(a)(3) shall apply for initial certifications, and 40 CFR 75.20(b)(5) shall apply for recertifications. Each electronic report must be submitted to the USEPA within 30 days following the end of each calendar quarter. Each electronic report shall contain the information specified in 40 CFR 75.64(a), (b).

7.5.6.2 Compliance certification. The designated representative shall submit a certification in support of each quarterly emissions monitoring report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall indicate whether the monitoring data submitted were recorded in accordance with the applicable requirements of this part including the quality control and quality assurance procedures and specifications of 40 CFR 75 and its appendices, and any such requirements, procedures and specifications of an applicable excepted or approved alternative monitoring method. The designated representative shall also include a certification, for all hours where data are substituted following the provisions of 40 CFR 75.34(a)(1), that the add-on emission controls



- were operating within the range of parameters listed in the monitoring plan and that the substitute values recorded during the quarter do not systematically underestimate NO<sub>x</sub> emissions, pursuant to 40 CFR 75.34.
- 7.5.6.3 Electronic format. Each quarterly report shall be submitted in a format to be specified by the USEPA, including both electronic submission of data and electronic or hardcopy submission of compliance certifications.
- 7.5.6.4 Method of submission. All quarterly reports shall be submitted to USEPA by direct computer-to-computer electronic transfer via modem and USEPA-provided software, unless otherwise approved by the USEPA.
- 7.5.6.5 Any cover letter text accompanying a quarterly report shall either be submitted in hardcopy to the USEPA or be provided in electronic format compatible with the other data required to be reported under 40 CFR 75.64. [WAC 173-406-106(6)(c), 11/23/94; 40 CFR 75.64]
- 7.5.7 Excess emissions requirements. The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR 77. The owners and operators shall comply with the terms of an approved offset plan, as required by 40 CFR 77. [WAC 173-406-106(5)(a), 11/23/94; 40 CFR 72.9(c)]
- 7.5.8 SO<sub>2</sub> emissions.
- 7.5.8.1 Allowance transfer submittals. All submittals under 40 CFR 73 subpart D, Allowance Transfers, shall be made by the designated representative to the Director and shall meet the requirements specified in 40 CFR 72.21. [40 CFR 73.13]
- 7.5.8.2 Submission of transfers. Authorized account representatives seeking recordation of an allowance transfer shall request such transfer by submitting to the USEPA, in a format to be specified by the USEPA, an Allowance Transfer Form. The request shall be made according to 40 CFR 73.50(b) [40 CFR 73.50(b)(1), (2)]
- 7.5.8.3 SO<sub>2</sub> excess emissions.
- 7.5.8.3.1 Not later than **March 1st** of the following calendar year during which an affected unit had excess emissions of SO<sub>2</sub> (except for any increase in excess emissions under 40 CFR 72.91(b) of this chapter), the designated representative shall submit to the USEPA a complete proposed offset plan, meeting the requirements of 40 CFR 77.3, to offset those emissions.
- 7.5.8.3.2 The designated representative shall hold enough allowances in the appropriate compliance subaccount to cover the deductions to be made in accordance with 40 CFR 77.5 (a) or (c). [40 CFR 77.5(b)]
- 7.5.8.4 SO<sub>2</sub> auctions. Sealed bids shall be sent to the USEPA using the Bid Form for SO<sub>2</sub> Allowance Auctions or some method of electronic transfer if the USEPA, following public notice, so requires or permits at some future time. The bid form shall include all elements identified in 40 CFR 73.71(b) and shall be accompanied by payment according to 40 CFR 73.71(c). [40 CFR 73.71]
- [WAC 173-406-106(3), 11/23/94]
- 7.5.9 Annual compliance certification. For each calendar year, the designated representative shall submit to USEPA and Ecology, by **March 1<sup>st</sup>** of the following calendar year, an annual compliance certification report for the unit. The compliance certification report shall contain all of the elements listed in 40 CFR 72.90(b), in a format prescribed by USEPA concerning the affected unit and the calendar year covered by the report. [WAC 173-406-106(6)(c), 11/23/94; WAC 173-406-801(1), 11/23/94; 40 CFR 72.90]
- 7.5.10 Duty to update. Within 30 days following any change in the owners and operators of an affected unit, including the addition of a new owner or operator, the designated representative or any alternative designated representative, shall submit, to USEPA and Ecology, a revision to the certificate of representation amending the list of owners and operators to include the change. [40 CFR 72.23(c)(2)]