

Summary Report

Facility Name

Source ID No. 1730155

Reporting Period: September 8, 2003-March 7, 2004

Date: March 17, 2004

Contact:

Phone Number:

From operating permit Section A:

The following emission sources are subject to the requirement listed below:

EU-TURB-5

9300 HP simple cycle unit

1. Limitation or Standard:

Monitoring:

A performance test using Appendix A, Methods 3a, 19 and 20 must be conducted within 180 days from the issue renewal date of this permit. Testing must be conducted at four load conditions across the normal operating range of the turbine. The NO_x emission rates will need to be converted to ppmvd@ 15% O₂, ISO day conditions. Concurrently, a test using the portable gas analyzer should be conducted to ensure the readings are accurate. After the reference method test is completed, the following periodic monitoring schedule may be adopted.

At least once per calendar quarter, the permittee shall conduct tests of NO_x and CO concentrations in the exhaust gas from turbine #5. Testing is required if the turbine runs for more than 10% (220 hours) during any calendar quarter. Testing shall be conducted using approved portable analyzers or an equivalent method approved by KDHE. The turbine shall be tested no sooner than 20 days after the previous test. The portable analyzer readings shall be converted to ppmvd@ 15% O₂, ISO day conditions.

Example Statement: Facility is in compliance with applicable Requirements of A.1. related to the NSPS Subpart GG turbine engine NO_x emissions and sulfur fuel requirements. The quarterly turbine engine Nox monitoring results were determined to be in compliance with Applicable requirements. Portable analyzer tests were completed for unit T-5 on November 13, 2003 and February 4, 2004. Records are kept on site.

Recordkeeping and Reporting:

Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of turbine #5.

Maintain records of the number of hours per quarter turbine #5 operates.

Maintain records of the portable air analyzer readings conducted quarterly, semi-annually, annually, whichever is applicable at the time of the reading.

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An excess emission report, depending upon the testing frequency of the facility, shall be submitted to the Department. The report must be postmarked by the 30th day following the end of each reporting period. When no excess emissions have occurred during a reporting period, such information shall be stated in the report. Reporting periods may coincide with semi-annual, annual reports etc., to keep consistency in the number of reports required and due dates.

Each record shall be kept on site for a minimum of **two** years from the date of the record.

[40 CFR 60.7 (b)(f)]

Compliant: YES NO

B. The following emission source is subject to the requirement listed below:

IA-004 / SV-074 / CE-074

Aluminum oxide blast booth

1. Limitation or Standard

The opacity of visible emissions shall not exceed 20 percent. [K.A.R. 28-19-650(a)(3)]

Monitoring

A qualitative opacity assessment shall be conducted at the frequency for which the facility qualifies pursuant to the Opacity Monitoring section. The initial frequency of observations is monthly but can change, pursuant to this section, if visible emissions are believed to exceed the limitation. **Qualitative Assessment have been preformed monthly, no emissions exceedance have occurred. Please see attached log.**

Recordkeeping and Reporting

A log shall be maintained noting the information required in the Opacity Monitoring section. The log will be updated prior to the end of the shift during which the assessment occurred. **A log has been maintained and updated prior to the end of the shift during which the assessment occurred.**

Compliant: YES NO

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C. The following emission sources are subject to the requirement listed below:

EU-001 / SV-001, SV-002, SV-003 / CE-001	Fiberglass booth	EU-002 / SV-004 / CE-002	Fiberglass booth
EU-004 / SV-006, SV-008, SV-010, SV-012 / CE-00	Fiberglass booth	EU-005 / SV-005, SV-007, SV-009, SV-011 / CE-005	Fiberglass booth
EU-006 / SV-014, SV-016, SV-018, SV-020 / CE-006	Fiberglass booth	EU-007 / SV-013, SV-015, SV-017, SV-019 / CE-007	Fiberglass booth
EU-008 / SV-023 / CE-008	Fiberglass booth	EU-009 / SV-024 / CE-009	Fiberglass booth

1. Limitation or Standard

The control equipment (fabric filter) shall be continuously operated while operating the emission unit. [K.A.R. 28-19-501(d)(1)]

Monitoring

A written air pollution control equipment (fabric filter) maintenance plan shall be developed, implemented, and maintained on-site within 30 days of permit issuance to assure proper operation of the air pollution control equipment. [K.A.R. 28-19-501(d)(2)].

Recordkeeping and Reporting

The owner or operator shall maintain a log showing the date of all routine or other maintenance or repairs of the control equipment (fabric filter), the action taken on such date, and any corrective action or preventative measures taken. [K.A.R. 28-19-501(d)(3)]

Example Statement: The control equipment has continuously operated while the emissions units operated. A maintenance plan has been developed, implemented and maintained and logs have been maintained showing the date of all routine or other maintenance or repairs of the control equipment.

Compliant: YES NO

D. The following emission source is subject to the requirements listed below:

IA-005 / SV-070, SV-071	Hastings heater on 3-stage parts washer
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1. Limitation or Standard

Particulate matter emissions are limited to the amount determined by the following equation:

A = the allowable emission rate in $1.026 \over I^{0.233}$ Where:
lb/10⁶ BTU

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I = the total heat input in 10^6 BTU/hr [K.A.R. 28-19-31(a)]

The allowable emission rate in $\text{lb}/10^6$ BTU for indirect heating equipment with total heat input less than ten (10) million BTU/hr is $0.6 \text{ lb}/10^6$ BTU.

Monitoring

Due to potentially very low or nonexistent emissions no monitoring is required at time of permit issuance.

Recordkeeping and Reporting

No recordkeeping is required at time of permit issuance.

2. Limitation or Standard

Opacity of visible emissions shall not exceed 20 percent. [K.A.R. 28-19-31(b)(2)]

Monitoring

Due to potentially very low or nonexistent emissions no monitoring is required at time of permit issuance.

Recordkeeping and Reporting

Due to potentially very low or nonexistent emissions, none is required.

Compliant: YES NO

E. The following emission sources are subject to the requirement listed below:

EU-001 / SV-001, SV-002, SV-003 / CE-001 Fiberglass booth
EU-002 / SV-004 / CE-002 Fiberglass booth
EU-004 / SV-006, SV-008, SV-010, SV-012 / CE-004 Fiberglass booth
EU-005 / SV-005, SV-007, SV-009, SV-011 / CE-005 Fiberglass booth
EU-006 / SV-014, SV-016, SV-018, SV-020 / CE-006 Fiberglass booth
EU-007 / SV-013, SV-015, SV-017, SV-019 / CE-007 Fiberglass booth

EU-008 / SV-023 / CE-008
EU-009 / SV-024 / CE-009
EU-010 / SV-028 / CE-010
EU-011 / SV-030 / CE-011
EU-012 / SV-031 / CE-012

Fiberglass booth
Fiberglass booth
Fiberglass booth
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Fiberglass booth

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1. Limitation or Standard

The owner or operator shall timely comply with any applicable requirements specified in the final rules implementing the Reinforced Plastic Composites Production NESHAP, Subpart WWWW, including the relevant provisions of 40 CFR 63 Subpart A, General Provisions. [40 CFR 63.5785]

Facility has complied with Subpart WWWW and the relevant provision of 40 CFR 63 Subpart A.

Facility Wide Applicable Requirements

The Facility Name has complied with all of the facility wide applicable requirements when required by the relevant regulations.

The Facility Name has had no deviations from our Class I Title V permit for the entire reporting period of September 8, 2003-March 7, 2004.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on information and belief formed after reasonable inquiry, including the person or persons who manage the system, or those persons directly responsible for gathering the information, the stated information in this document is true, accurate, and complete.

Name of Responsible Official:

Title: _____

Signature: _____

Date: _____

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Plantwide Qualitative Assessment Summary

Unit	Description of Emission Point	Time/Date	Distance, Direction to Stack/Observation Pt	Qualified Person/ Company	Opacity		Steps taken to correct any abnormal emission
					Normal	Abnormal	
IA-004 / SV-074 Aluminum oxide blast booth		Sept.				20%	
IA-004 / SV-074 Aluminum oxide blast booth		Oct.				20%	
IA-004 / SV-074 Aluminum oxide blast booth		Nov				20%	
IA-004 / SV-074 Aluminum oxide blast booth		Dec				20%	
IA-004 / SV-074 Aluminum oxide blast booth		Jan				20%	
IA-004 / SV-074 Aluminum oxide blast booth		Feb				20%	
IA-004 / SV-074 Aluminum oxide blast booth		Mar				20%	

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Plantwide Qualitative Assessment Summary

Unit	Description of Emission Point	Time/Date	Distance, Direction to Stack/Observation Pt	Method 9 Certified Observer Person/Company	Opacity %		Load at time of Observation
					Observed	Allowed	
IA-004 / SV-074 Aluminum oxide blast booth		Sept.				20%	
IA-004 / SV-074 Aluminum oxide blast booth		Oct.				20%	
IA-004 / SV-074 Aluminum oxide blast booth		Nov				20%	
IA-004 / SV-074 Aluminum oxide blast booth		Dec				20%	
IA-004 / SV-074 Aluminum oxide blast booth		Jan				20%	
IA-004 / SV-074 Aluminum oxide blast booth		Feb				20%	
IA-004 / SV-074 Aluminum oxide blast booth		Mar				20%	