STATE OF MISSOURI
Matt Blunt, Governor • Doyle Childers, Director
DEPARTMENT OF NATURAL RESOURCES
www.dnr.mo.gov

NOV 2 2 2006

CERTIFIED MAIL, 70052570000215846129
RETURN RECEIPT REQUESTED

Mr. Glenn P. Keefe, Operating VO - Electric
Greenwood Energy Center
14015 Smart Road
Greenwood, MO 64034

Re: Greenwood Energy Center, Installation ID: 095-0139
Permit Number: **OP2006-083**

Dear Mr. Keefe:

Enclosed with this letter is your Part 70 operating permit. Please review this document carefully. Operation of your installation in accordance with the rules and regulations cited in this document is necessary for continued compliance. It is very important you read and understand the requirements contained in your permit.

If you have any questions or need additional information regarding this permit, please contact the Air Pollution Control Program at (573) 751-4817, or write the Department of Natural Resources' Air Pollution Control Program, PO Box 176, Jefferson City, MO 65102. Thank you for your time and attention.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Michael J. Stansfield, P.E.
Operating Permit Unit Chief

MJS:ssk

Enclosures

c: Ms. Tamara Freeman, US EPA Region VII
Mr. Richard Vani, Kansas City Regional Office
PAMS File: 2002-10-096

Missouri Department of Natural Resources
Air Pollution Control Program

PERMIT TO OPERATE

Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to operate the air contaminant source(s) described below, in accordance with the laws, rules, and conditions set forth here in.

Operating Permit Number: OP2006-083
Expiration Date: NOV 2 1 2011
Installation ID: 095-0139
Project Number: 2002-10-096

Installation Name and Address
Greenwood Energy Center
14015 Smart Road
Greenwood, MO 64034
Jackson County

Parent Company's Name and Address
Aquila, Inc.
10700 E. 350 Highway
Kansas City, MO 64138

Installation Description:
This installation is a major source of air pollutants located in Greenwood, Missouri. It was originally constructed in 1975 to operate combustion turbines for the generation of electric power during periods of peak electrical demand for the purposes of public consumption. The main sources of air pollutants include four (4) diesel/natural gas fired combustion turbines, one generator powered by two diesel engines, and a solvent parts washer. Other small emission sources at this installation include two (2) fixed roof storage tanks for #2 fuel oil, storage tanks for turbine lube oil (4 units), #2 fuel oil transfer and fuel powered maintenance equipment, all of which emit less than 200 pounds per year of air pollutants.

NOV 2 2 2006
Effective Date

Director or Designee
Department of Natural Resources

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I. Installation Description and Equipment Listing

INSTALLATION DESCRIPTION

This installation is a major source of air pollutants located in Greenwood, Missouri. It was originally constructed in 1975 to operate combustion turbines for the generation of electric power during periods of peak electrical demand for the purposes of public consumption. The main sources of air pollutants include four (4) diesel/natural gas fired combustion turbines, one generator powered by two diesel engines, and a solvent parts washer. Other small emission sources at this installation include two (2) fixed roof storage tanks for #2 fuel oil, storage tanks for turbine lube oil (4 units), #2 fuel oil transfer and fuel powered maintenance equipment, all of which emit less than 200 pounds per year of air pollutants.

Reported Air Pollutant Emissions, tons per year							
Year	Particulate Matter ≤ Ten Microns (PM-10)	Sulfur Oxides (SO_x)	Nitrogen Oxides (NO_x)	Volatile Organic Compounds (VOC)	Carbon Monoxide (CO)	Lead (Pb)	Hazardous Air Pollutants (HAPs)
2000	24.35	1.79	394.38	3.37	99.78	-	-
2001	17.65	0.52	285.91	2.09	72.91	-	-
2002	14.59	0.46	236.40	1.77	60.28	-	-
2003	8.69	16.52	134.56	2.03	15.84	-	-
2004	3.54	4.13	55.41	0.91	8.44	-	-
2005	8.07	3.24	73.78	1.37	28.74	-	-

EMISSION UNITS WITH LIMITATIONS

The following list provides a description of the equipment at this installation which emit air pollutants and which are identified as having unit-specific emission limitations.

Emission Unit #	Description of Emission Unit	Emission Point Number
EU0001	Combustion Turbine – Unit 1	EP01
EU0002	Combustion Turbine – Unit 2	EP02
EU0003	Combustion Turbine – Unit 3	EP03
EU0004	Combustion Turbine – Unit 4	EP04
EU0005	Electric Generator	EP06
EU0006	Solvent Parts Washer	EP12
EU0007	Portable Space Heaters (3 Units)	EP14

EMISSION UNITS WITHOUT LIMITATIONS

The following list provides a description of the equipment that does not have unit specific limitations at the time of permit issuance.

Description of Emission Source	Emission Point Number
No. 2 Fuel Oil Storage Tanks (2 units)	EP05
Tanker Fuel Loading	EP07
Turbine Lube Oil Reservoir Storage Tanks (4 Units)	EP08 – EP11
Fuel Powered Maintenance Equipment	EP13

DOCUMENTS INCORPORATED BY REFERENCE
These documents have been incorporated by reference into this permit.

None

II. Plant Wide Emission Limitations

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements.

None

III. Emission Unit Specific Emission Limitations

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements.

EU0001 through EU0004 –COMBUSTION TURBINES			
Emission Unit	**Description**	**Manufacturer/ Model #**	**EIQ Reference #**
EU0001	Combustion Turbine – Unit 1 Maximum Hourly Design Rate (MHDR) = 953.5 MMBtu/hr (FO#2) and 1,009.6 MMBtu/hr (NG)	General Electric 7821 B	EP01
EU0002	Combustion Turbine – Unit 2 Maximum Hourly Design Rate (MHDR) = 953.5 MMBtu/hr (FO#2) and 1,009.6 MMBtu/hr (NG)	General Electric 7821 B	EP02
EU0003	Combustion Turbine – Unit 3 Maximum Hourly Design Rate (MHDR) = 953.5 MMBtu/hr (FO#2) and 1,009.6 MMBtu/hr (NG)	General Electric 7821 B	EP03
EU0004	Combustion Turbine – Unit 4 Maximum Hourly Design Rate (MHDR) = 953.5 MMBtu/hr (FO#2) and 1,009.6 MMBtu/hr (NG)	General Electric 7821 B	EP04

Permit Condition (EU0001 through EU0004)-001

10 CSR 10-6.260

Restriction of Emission of Sulfur Compounds

Emission Limitation:

1) Emissions from any existing or new source operation shall not contain more than five hundred parts per million by volume (500 ppmv) of sulfur dioxide.
2) Stack gasses shall not contain more than thirty-five milligrams (35 mg) per cubic meter of sulfuric acid or sulfur trioxide or any combination of those gases averaged on any consecutive three-hour time period.
3) No person shall cause or permit the emission of sulfur compounds from any source which causes or contributes to concentrations exceeding those specified in 10 CSR 10-6.010 Ambient Air Quality Standards.

Pollutant	Concentration by Volume	Remarks
Sulfur Dioxide (SO_2)	0.03 parts per million (ppm) (80 micrograms per cubic meter ($\mu g/m^3$))	Annual arithmetic mean
	0.14 ppm (365 $\mu g/m^3$)	24-hour average not to be exceeded more than once per year
	0.5 ppm (1300 $\mu g/m^3$)	3-hour average not to be exceeded more than once per year
Hydrogen Sulfide (H_2S)	0.05 ppm (70 $\mu g/m^3$)	½-hour average not to be exceeded over 2 times per year
	0.03 ppm (42 $\mu g/m^3$)	½-hour average not to be exceeded over 2 times in any 5 consecutive days
Sulfuric Acid (H_2SO_4)	10 $\mu g/m^3$	24-hour average not to be exceeded more than once in any 90 consecutive days

Operational Limitation/Equipment Specifications:
The emission unit shall be limited to fuel with a sulfur content of no more than 2.3% sulfur by weight.

Monitoring and Recordkeeping:
1) The permittee shall maintain an accurate record of the sulfur content of fuel used. Fuel purchase receipts, analyzed samples or certifications that verify the fuel type and sulfur content will be acceptable.
2) These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon request.
3) All records shall be maintained for five years.

Reporting:
The permittee shall report to the Air Pollution Control Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any exceedance of the emission limit or sulfur content limit established by 10 CSR 10-6.260, or any malfunction which causes an exceedance.

Permit Condition (EU0001 through EU0004)-002

10 CSR 10-6.350
Emission Limitations and Emissions Trading of Oxides of Nitrogen

Emission Limitation:
1) Beginning May 1, 2003, the permittee shall limit emissions of NO_X to the rate of 0.35 lbs. NO_X /million British thermal units (mmBtu) of heat input during the control period[1].
2) In lieu of complying with the above emission limit, the permittee may comply through the NO_X emissions trading program under 10 CSR 10-6.350(3)(B).
   a) Compliance with this rule shall not relieve the permittee of the responsibility to comply fully with applicable provisions of the Air Conservation Law and rules or any other requirements under local, state or federal law. Specifically, compliance with 10 CSR 10-6.350 shall not violate the permit conditions previously established under 10 CSR 10-6.060 or 10 CSR 10-6.065.

[1] The period beginning May 1 of a calendar year and ending on September 30 of the same calendar year

Banking/Trading:

1) NO_X authorized account representative.
   a) Each affected unit shall have only one NO_X authorized account representative with respect to all matters under the NO_X trading program. Each affected unit may have only one alternate NO_X authorized account representative who may act on behalf of the NO_X authorized account representative.
   b) A NO_X authorized account representative may be responsible for multiple units at an installation or within a system of installations with the same owner.
   c) The department will act on a valid submission made on behalf of the permittee of an affected unit only if the submission has been made, signed and certified by the NO_X authorized account representative or the alternate NO_X authorized account representative.
2) Control Period NO_X Allowances.
   a) By October 31 following each control period, each NO_X authorized account representative shall submit to the department the actual total control period heat input and actual average emission rate in a compliance report consistent with 10 CSR 10-6.350(4) for each affected NO_X unit.
   b) By November 15th following each control period, the department will issue a notice to each NO_X authorized account representative of the actual NO_X allowances recorded in the unit compliance account for each affected NO_X unit.
3) By the end of the NO_X allowance transfer deadline[2], each NO_X unit shall have sufficient NO_X allowances in their compliance account to allow for deductions.
   a) NO_X allowances are available to be deducted for compliance with a unit's NO_X emissions limitation for a control period in a given year only if the NO_X allowances:
      i) Were allocated for a control period in a prior year or the same year; and
      ii) Are held in the unit's compliance account or the unit's overdraft account as of the NO_X allowance transfer deadline for that control period.
4) In the case of units sharing a common stack and having emissions that are not separately monitored or apportioned in accordance with 10 CSR 10-6.350(4)
   a) The NO_X authorized account representative of the units shall identify the percentage of NO_X allowances to be deducted from each such unit's compliance account to cover the unit's share of NO_X emissions from the common stack for a control period. Such identification shall be made in the compliance certification report.
5) NO_X allowances may be banked for future use or transfer into a compliance account or an overdraft account, as follows:
   a) Any NO_X allowance that is held in a compliance account or an overdraft account, will remain in such account until the NO_X allowance is deducted or transferred under 10 CSR 10-6.350(3)(B)4. – (3)(B)7.
   b) The director will designate, as a banked NO_X allowance, any NO_X allowance that remains in a compliance account or an overdraft account after the director has made all deductions for a given control period from the compliance account or overdraft account pursuant to 10 CSR 10-6.350(3)(B)4.
6) Each year, starting in 2004, after the director has completed the designation of banked NO_X allowances under 10 CSR 10-6.350(3)(B)5.A.(II) and before May 1 of the year, the department will determine the extent to which banked NO_X allowances may be used for compliance in the control period for the current year.

[2] Close of business on December 31 following the control period or, if December 31 is not a business day, close of business on the first business day thereafter and is the deadline by which NOx allowances may be submitted for re

7) Banked NO_X allowances made available for use in 10 CSR 10-6.350(3)(B)5.B.(II) and (3)(B)5.B.(III) may be traded from the control region for which 10 CSR 10-6.350(3)(A)1.[3] is applicable to the control region for which 10 CSR 10-6.350(3)(A)2.[4] is applicable on a one to one (1:1) basis.
8) Banked NO_X allowances made available for use in 10 CSR 10-6.350(3)(B)5.B.(II) and (3)(B)5.B.(III) may be traded from the control region for which 10 CSR 10-6.350(3)(A)2.[3] is applicable to the control region for which 10 CSR 10-6.350(3)(A)1.[2] is applicable on a one and one-half to one (1.5:1) basis.
9) All ERCs will be retired on January 31, 2005.
10) The director may correct any error in any NO_X Allowance Tracking System account. Within ten business days of making such correction, the director will notify the NO_X authorized account representative for the account. The NO_X authorized account representative will then have ten business days to appeal the correction if they feel the correction was made in error.
11) A NO_X allowance transfer that is submitted for recording following the NO_X allowance transfer deadline and that includes any NO_X allowances allocated for a control period prior to or the same as recording in an affected unit's compliance account or the overdraft account of the installation where the unit is located. The control period to which the NO_X allowance transfer deadline applies will not be recorded until after completion of the process of recording of NO_X allowance allocations of this rule.

Monitoring:

1) Compliance shall be measured during the control period.
2) All valid data shall be used for calculating NO_X emissions rates.
3) If a CEMS is not applicable, an alternate procedure listed in 40 CFR part 75 Appendix E shall be performed every 3,000 operating hours or every five years whichever is more frequent. Identical units may use procedures identified in 40 CFR part 75.19 for purposes of testing;

Recordkeeping:

1) The permittee shall maintain records of the following:
   a) Total fuel consumed during the control period;
   b) The total heat input for each emissions unit during the control period;
   c) Reports of all stack testing conducted to meet the requirements of this rule;
   d) All other data collected by a CEMS necessary to convert the monitoring data to the units of the applicable emission limitation;
   e) All performance evaluations conducted in the past year;
   f) All monitoring device calibration checks;
   g) All monitoring system, monitoring device and performance testing measurements;
   h) Records of adjustments and maintenance performed on monitoring systems and devices; and
   i) A log identifying each period during which the CEMS or alternate procedure was inoperative, except for zero (0) and span checks, and the nature of the repairs and adjustments performed to make the system operative.
2) All records must be kept on-site for a period of five (5) years and made available to the department upon request.

Reporting:

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[3] Installations located in City of St. Louis and the counties of Bollinger, Butler, Cape Girardeau, Carter, Clark, Crawford, Dent, Dunklin, Franklin, Gasconade, Iron, Jefferson, Lewis, Lincoln, Madison, Marion, Mississippi, Montgomery, New Madrid, Oregon, Pemiscot, Perry, Phelps, Pike Ralls, Reynolds, Ripley, St. Charles, St. Francois, St. Louis County, Ste. Genevieve, Scott, Shannon, Stoddard, Warren, Washington and Wayne.
[4] Installations located in any county not identified in paragraph (3)(A)1.

1) The NOx authorized account representative must submit an account certificate of representation for each affected unit no later than January 1, 2003 or December 31 of the year in which the rule becomes applicable for units installed after January 1, 2003.
2) Projected NO_X allowances.
   a) By March 1, 2003, the NO_X authorized account representative for each affected unit shall submit to the department a report containing the following:
      i) The projected control period NO_X emission rate for each affected unit;
      ii) The average of the three (3) most recent control period heat inputs, unless those three (3) periods are not representative of normal operation; and
      iii) A plan identifying the methodology for compliance with the emission limitations of 10 CSR 10-6.350(3)(A).
   b) The department will review each report and make any amendments within 15 working days.
   c) The department will develop a summary of projected NO_X allowances on a unit by unit and statewide basis for distribution on or before May 1 of each year.
3) By October 31 following each control period, each NO_X authorized account representative shall submit to the department the actual total control period heat input and actual average emission rate in a compliance report consistent with reporting requirements of 10 CSR 10-6.350(4) for each affected NO_X unit.
4) A compliance certification report for each affected unit shall be submitted to the department by October 31 following each control period. The report shall include:
   a) The owner and operator;
   b) The NO_X authorized account representative;
   c) NO_X unit name, compliance and overdraft account numbers;
   d) NO_X emission rate limitation (lb/mmBtu);
   e) Actual NO_X emission rate (lb/mmBtu) for the control period;
   f) Actual heat input (mmBtu) for the control period. The unit's total heat input for the control period in each year will be determined in accordance with the test methods and monitoring requirements;
   g) Actual NO_X mass emissions (tons) for the control period.
5) A NO_X authorized account representative may request early reduction credits from the compliance set-aside account by submitting a report containing the following on or before October 31, 2003 and 2004 for the 2003 and 2004 control periods, respectively:
   a) The owner and operator;
   b) The NO_X authorized account representative;
   c) The NO_X unit identification number and name;
   d) The projected control period heat input and projected control period emission rate;
   e) The number of ERCs being requested; and
   f) The overdraft or compliance account number.
6) The NO_X authorized account representatives seeking the recording of a NO_X allowance transfer shall submit the transfer request to the director. To be considered correctly submitted, the NO_X allowance transfer shall include the following elements in a format specified by the director:
   a) The numbers identifying both the transferor and transferee accounts;
   b) A specification by serial number of each NO_X allowance to be transferred; and
   c) The printed name and signature of the NO_X authorized account representative of the transferor account and the date signed.

7) When a NO_X opt-in unit becomes an affected unit, the NO_X authorized account representative shall notify the department in writing of such change in the NO_X opt-in unit's regulatory status within thirty (30) days of such change.
8) Any unit with valid CEMS data for the control period must use that data to determine compliance with the provisions of 10 CSR 10-6.350. The permittee which performs non-CEMS testing to demonstrate compliance of a unit subject to 10 CSR 10-6.350(3) shall submit:
   a) A control period report identifying monthly fuel usage and monthly total heat input by December 31 of the same year as the control period; and
   b) A written report of all stack tests completed after controls are effective to the department within sixty (60) days after completion of sample and data collection.
9) The permittee shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any exceedance of any of the terms imposed by this regulation, or any malfunction which causes an exceedance of this regulation.

EU0005 – ELECTRICAL GENERATOR

Emission Unit	Description	Manufacturer/ Model #	EIQ Reference #
EU0005	Electric Generator, two (2) Reciprocating Internal Combustion Engines, For each engine Maximum Hourly Design Rate (MHDR) = 11 MMBtu/hr	Unknown	EP06

Permit Condition EU0005-001

10 CSR 10-6.260
Restriction of Emission of Sulfur Compounds

Emission Limitation:

1) No person shall cause or allow emissions of sulfur dioxide into the atmosphere from any indirect heating source in excess of eight pounds of sulfur dioxide per million BTUs actual heat input averaged on any consecutive three hour time period.
2) No person shall cause of permit the emission of sulfur compounds from any source which causes or contributes to concentrations exceeding those specified in 10 CSR 10-6.010 Ambient Air Quality Standards.
3) No person shall cause or permit the emission of sulfur compounds from any source which causes or contributes to concentrations exceeding those specified in 10 CSR 10-6.010 Ambient Air Quality Standards.

Pollutant	Concentration by Volume	Remarks
Sulfur Dioxide (SO_2)	0.03 parts per million (ppm) (80 micrograms per cubic meter ($\mu g/m^3$))	Annual arithmetic mean
	0.14 ppm (365 $\mu g/m^3$)	24-hour average not to be exceeded more than once per year
	0.5 ppm (1300 $\mu g/m^3$)	3-hour average not to be exceeded more than once per year
Hydrogen Sulfide (H_2S)	0.05 ppm (70 $\mu g/m^3$)	½-hour average not to be exceeded over 2 times per year
	0.03 ppm (42 $\mu g/m^3$)	½-hour average not to be exceeded over 2 times in any 5 consecutive days
Sulfuric Acid (H_2SO_4)	10 $\mu g/m^3$	24-hour average not to be exceeded more than once in any 90 consecutive days

Operational Limitation/Equipment Specifications:

The electric generator with two reciprocating internal combustion engines shall be limited to burning pipeline grade natural gas or fuel oil no. 2.

Monitoring/Recordkeeping:

1) The permittee shall maintain an accurate record of the sulfur content of fuel used. Fuel purchase receipts, analyzed samples or certifications that verity the fuel type and sulfur content will be acceptable.
2) These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon request.
3) All records shall be maintained for five years.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the semi-annual monitoring report and annual compliance certification to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

EU0006 – SOLVENT PARTS WASHER			
Emission Unit	Description	Manufacturer/Model #	EIQ Reference #
EU0006	Solvent Parts Washer Six (6) gallon capacity	Gray Mills Clean-o-Matic Model 300A	EP12

Permit Condition EU0006-001

10 CSR 10-2.210
Control of Emissions From Solvent Metal Cleaning

Emission Limitation:

After August 30, 2002, no owner or operator shall operate a cold cleaner using a solvent with a vapor pressure greater than 2.0 mm Hg at 20 degrees Celsius.

Exception: The permittee may use an alternative method for reducing cold cleaning emissions if the level of emission control is equivalent to or greater than the requirements listed above. The director must approve the alternative method.

Operational Limitation/Equipment Specifications:

1) Each cold cleaner shall have a cover which will prevent the escape of solvent vapors from the solvent bath while in the closed position, or an enclosed reservoir which limits the escape of solvent vapors from the solvent bath whenever parts are not being processed in the cleaner.
2) When one or more of the following conditions exist, the design of the cover shall be such that it can be easily operated with one hand such that minimal disturbing of the solvent vapors in the tank occurs. (For covers larger than ten square feet, this shall be accomplished by either mechanical assistance such as spring loading or counter weighing or by power systems):
   a) The solvent vapor pressure is greater than 0.3 psi measure at 37.8 degrees Celsius (37.8°C) (100 degrees Fahrenheit (100°F)), such as in mineral spirits.
   b) The solvent is agitated; or
   c) The solvent is heated.
3) Each cold cleaner shall have a drainage facility, which will be internal, so that parts are enclosed under the cover while draining.
4) If an internal drainage facility cannot fit into the cleaning system and the solvent vapor pressure is less than 0.6 psi measured at 37.8°C (100°F), then the cold cleaner shall have an external drainage facility which provides for the solvent to drain back into the solvent bath.
5) Solvent sprays, if used, shall be a solid fluid stream (not a fine, atomized or shower-type spray) and at a pressure which does not cause splashing above or beyond the freeboard.
6) A permanent conspicuous label summarizing the operating procedures shall be affixed to the equipment.
7) Any cold cleaner which uses a solvent that has a solvent vapor pressure greater than 0.6 psi measured at 37.8°C (100°F) or is heated above 48.9°C (120°F), must use one of the following control devices:
   a) A freeboard ratio of at least 0.75;
   b) Water cover (solvent must be insoluble in and heavier than water); or
   c) Other control systems with a mass balance demonstrated overall VOC emissions reduction efficiency greater than or equal to 65%. These control systems must receive approval from the director prior to their use.
8) Each cold cleaner shall be operated as follows:
   a) Cold cleaner covers shall be closed whenever parts are not being handled in the cleaners or the solvent must drain into an enclosed reservoir.
   b) Clean parts shall be drained in the freeboard area for at least 15 seconds or until dripping ceases, whichever is longer.
   c) Whenever a cold cleaner fails to perform within the operating parameters established for it by this regulation, the unit shall be shut down immediately and shall remain shut down until trained service personnel are able to restore operation within the established operating procedures.
   d) Solvent leaks shall be repaired immediately or the cleaner shall be shut down and leaks secured until the leaks are repaired.
   e) Any waste material removed from a cold cleaner shall be disposed of by one of the following methods in accordance with the Missouri Hazardous Waste Management Commission Rules codified as 10 CSR 25, as applicable:
      i) Reduction of the waste material to less than 20% VOC solvent by distillation and proper disposal of the still bottom waste, or

ii) Stored in closed containers for transfer to a contract reclamation service or disposal facility approved by the director.
iii) Waste solvent shall be stored in covered containers only.

9) Operators must be trained as follows:
   a) Only persons trained in at least the operation and equipment requirements specified in this rule for their particular solvent metal cleaning process to operate this equipment;
   b) The supervisor of any person who operates a solvent metal cleaning process shall receive equivalent or greater operational training than the operators; and
   c) Refresher training shall be given to all solvent metal cleaning equipment operators at least once every 12-month period.

Monitoring:

The permittee shall monitor the throughputs of the solvents monthly and maintain material safety data sheets of the cleanup solvents used at the installation.

Recordkeeping:

1) The permittee shall monitor the throughputs of the solvents monthly and maintain material safety data sheets of the cleanup solvents used at the installation.
2) The permittee shall maintain the following records for each purchase of cold cleaner solvent (Attachment A):
   a) Name and address of the solvent supplier.
   b) Date of purchase.
   c) Type of solvent purchased.
   d) Vapor pressure of solvent in mm Hg at $20^{O}C$ or $68^{O}F$.
3) The permittee shall keep monthly inventory records of solvent types and amounts purchased and solvent consumed. The records shall included all types and amounts of solvent containing waste material transferred to either a contract reclamation service or to a disposal installation and all amounts distilled on the premises (see Attachment B). The record also shall include maintenance and repair logs that occurred on the cold cleaner (Attachments H).
4) The permittee shall keep training records of solvent metal cleaning for each employee on an annual basis (Attachment D).
5) All records shall be maintained for five years.

Reporting:

Reports of any deviations from or exceedance of any of the terms imposed by this regulation, or any malfunction which causes a deviation from or exceedance of this regulation shall be submitted semiannually, in the semi-annual monitoring report and annual compliance certification, as required by Section IV of this permit.

IV. Core Permit Requirements

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect as of the date that this permit is issued.

10 CSR 10-6.050 Start-up, Shutdown and Malfunction Conditions

1) In the event of a malfunction, which results in excess emissions that exceed one hour, the permittee shall submit to the director within two business days in writing the following information:
   a) Name and location of installation;
   b) Name and telephone number of person responsible for the installation;
   c) Name of the person who first discovered the malfunction and precise time and date that the malfunction was discovered.
   d) Identity of the equipment causing the excess emissions;
   e) Time and duration of the period of excess emissions;
   f) Cause of the excess emissions;
   g) Air pollutants involved;
   h) Best estimate of the magnitude of the excess emissions expressed in the units of the applicable requirement and the operating data and calculations used in estimating the magnitude;
   i) Measures taken to mitigate the extent and duration of the excess emissions; and
   j) Measures taken to remedy the situation that caused the excess emissions and the measures taken or planned to prevent the recurrence of these situations.
2) The permittee shall submit the paragraph (a.) information list to the director in writing at least ten days prior to any maintenance, start-up or shutdown, which is expected to cause an excessive release of emissions that exceed one hour. If notice of the event cannot be given ten days prior to the planned occurrence, it shall be given as soon as practicable prior to the release. If an unplanned excess release of emissions exceeding one hour occurs during maintenance, start-up or shutdown, the director shall be notified verbally as soon as practical during normal working hours and no later than the close of business of the following working day. A written notice shall follow within ten working days.
3) Upon receipt of a notice of excess emissions issued by an agency holding a certificate of authority under section 643.140, RSMo, the permittee may provide information showing that the excess emissions were the consequence of a malfunction, start-up or shutdown. The information, at a minimum, should be the paragraph (a.) list and shall be submitted not later than 15 days after receipt of the notice of excess emissions. Based upon information submitted by the permittee or any other pertinent information available, the director or the commission shall make a determination whether the excess emissions constitute a malfunction, start-up or shutdown and whether the nature, extent and duration of the excess emissions warrant enforcement action under section 643.080 or 643.151, RSMo.
4) Nothing in this rule shall be construed to limit the authority of the director or commission to take appropriate action, under sections 643.080, 643.090 and 643.151, RSMo to enforce the provisions of the Air Conservation Law and the corresponding rule.
5) Compliance with this rule does not automatically absolve the permittee of liability for the excess emissions reported.

10 CSR 10-6.060 *Construction Permits Required*

The permittee shall not commence construction, modification, or major modification of any installation subject to this rule, begin operation after that construction, modification, or major modification, or begin operation of any installation which has been shut down longer than five years without first obtaining a permit from the permitting authority.

10 CSR 10-6.065 Operating Permits

The permittee shall file for renewal of this operating permit no sooner than eighteen months, nor later than six months, prior to the expiration date of this operating permit. The permittee shall retain the most current operating permit issued to this installation on-site and shall immediately make such permit available to any Missouri Department of Natural Resources personnel upon request.

10 CSR 10-6.110 Submission of Emission Data, Emission Fees and Process Information

1) The permittee shall complete and submit an Emission Inventory Questionnaire (EIQ) in accordance with the requirements outlined in this rule.
2) The permittee shall pay an annual emission fee per ton of regulated air pollutant emitted according to the schedule in the rule. This fee is an emission fee assessed under authority of RSMo. 643.079 to satisfy the requirements of the Federal Clean Air Act, Title V.
3) The fees shall be due April 1 each year for emissions produced during the previous calendar year. The fees shall be payable to the Department of Natural Resources and shall be accompanied by the Emissions Inventory Questionnaire (EIQ) form or equivalent approved by the director.

10 CSR 10-6.130 Controlling Emissions During Episodes of High Air Pollution Potential

This rule specifies the conditions that establish an air pollution alert (yellow/orange/red/purple), or emergency (maroon) and the associated procedures and emission reduction objectives for dealing with each. The permittee shall submit an appropriate emergency plan if required by the Director.

10 CSR 10-6.150 Circumvention

The permittee shall not cause or permit the installation or use of any device or any other means which, without resulting in reduction in the total amount of air contaminant emitted, conceals or dilutes an emission or air contaminant which violates a rule of the Missouri Air Conservation Commission.

10 CSR 10-6.170 Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin

1) The permittee shall not cause or allow to occur any handling, transporting or storing of any material; construction, repair, cleaning or demolition of a building or its appurtenances; construction or use of a road, driveway or open area; or operation of a commercial or industrial installation without applying reasonable measures as may be required to prevent, or in a manner which allows or may allow, fugitive particulate matter emissions to go beyond the premises of origin in quantities that the particulate matter may be found on surfaces beyond the property line of origin. The nature or origin of the particulate matter shall be determined to a reasonable degree of certainty by a technique proven to be accurate and approved by the director.
2) The permittee shall not cause nor allow to occur any fugitive particulate matter emissions to remain visible in the ambient air beyond the property line of origin.

3) Should it be determined that noncompliance has occurred, the director may require reasonable control measures as may be necessary. These measures may include, but are not limited to, the following:
   a) Revision of procedures involving construction, repair, cleaning and demolition of buildings and their appurtenances that produce particulate matter emissions;
   b) Paving or frequent cleaning of roads, driveways and parking lots;
   c) Application of dust-free surfaces;
   d) Application of water; and
   e) Planting and maintenance of vegetative ground cover.

10 CSR 10-6.180 Measurement of Emissions of Air Contaminants

1) The director may require any person responsible for the source of emission of air contaminants to make or have made tests to determine the quantity or nature, or both, of emission of air contaminants from the source. The director may specify testing methods to be used in accordance with good professional practice. The director may observe the testing. Qualified personnel shall perform all tests.
2) The director may conduct tests of emissions of air contaminants from any source. Upon request of the director, the person responsible for the source to be tested shall provide necessary ports in stacks or ducts and other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices as may be necessary for proper determination of the emission of air contaminants.
3) The director shall be given a copy of the test results in writing and signed by the person responsible for the tests.

10 CSR 10-2.100 Open Burning Restrictions

1) The permittee shall not conduct, cause, permit or allow a salvage operation, the disposal of trade wastes or burning of refuse by open burning.
2) Exception - Open burning of trade waste or vegetation may be permitted only when it can be shown that open burning is the only feasible method of disposal or an emergency exists which requires open burning.
3) Any person intending to engage in open burning shall file a request to do so with the director. The request shall include the following:
   a) The name, address and telephone number of the person submitting the application; The type of business or activity involved; A description of the proposed equipment and operating practices, the type, quantity and composition of trade wastes and expected composition and amount of air contaminants to be released to the atmosphere where known;
   b) The schedule of burning operations;
   c) The exact location where open burning will be used to dispose of the trade wastes;
   d) Reasons why no method other than open burning is feasible; and
   e) Evidence that the proposed open burning has been approved by the fire control authority which has jurisdiction.
4) Upon approval of the open burning permit application by the director, the person may proceed with the operation under the terms of the open burning permit. Be aware that such approval shall not exempt Greenwood Energy Center from the provisions of any other law, ordinance or regulation.
5) The permittee shall maintain files with letters from the director approving the open burning operation and previous DNR inspection reports.

10 CSR 10-2.070 Restriction of Emission of Odors

No person may cause, permit or allow the emission of odorous matter in concentrations and frequencies or for durations that odor can be perceived when one volume of odorous air is diluted with seven volumes of odor-free air for two separate trials not less than 15 minutes apart within the period of one hour.

This requirement is not federally enforceable.

10 CSR 10-6.100, Alternate Emission Limits

Proposals for alternate emission limitations shall be submitted on Alternate Emission Limits Permit forms provided by the department. An installation owner or operator must obtain an Alternate Emission Limits Permit in accordance with 10 CSR 10-6.100 before alternate emission limits may become effective.

10 CSR 10-6.080, Emission Standards for Hazardous Air Pollutants
40 CFR Part 61 Subpart M, National Emission Standard for Asbestos

1) The permittee shall follow the procedures and requirements of 40 CFR Part 61, Subpart M for any activities occurring at this installation which would be subject to provisions for 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos.
2) The permittee shall conduct monitoring to demonstrate compliance with registration, certification, notification, and Abatement Procedures and Practices standards as specified in 40 CFR Part 61, Subpart M.

10 CSR 10-6.250, Asbestos Abatement Projects – Certification, Accreditation, and Business Exemption Requirements

The permittee shall conduct all asbestos abatement projects within the procedures established for certification and accreditation by 10 CSR 10-6.250. This rule requires individuals who work in asbestos abatement projects to be certified by the Missouri Department of Natural Resources Air Pollution Control Program. This rule requires training providers who offer training for asbestos abatement occupations to be accredited by the Missouri Department of Natural Resources Air Pollution Control Program. This rule requires persons who hold exemption status from certain requirements of this rule to allow the department to monitor training provided to employees. Each individual who works in asbestos abatement projects must first obtain certification for the appropriate occupation from the department. Each person who offers training for asbestos abatement occupations must first obtain accreditation from the department. Certain business entities that meet the requirements for state-approved exemption status must allow the department to monitor training classes provided to employees who perform asbestos abatement.

Title VI – 40 CFR Part 82 Protection of Stratospheric Ozone

1) The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
   a) All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to §82.106.
   b) The placement of the required warning statement must comply with the requirements pursuant to §82.108.
   c) The form of the label bearing the required warning statement must comply with the requirements pursuant to §82.110.

d) No person may modify, remove, or interfere with the required warning statement except as described in §82.112.

2) The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR part 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B:
   a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to §82.156.
   b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to §82.158.
   c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to §82.161.
   d) Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to §82.166. ("MVAC-like" appliance as defined at §82.152).
   e) Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to §82.156.
   f) Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to §82.166.
3) 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 part 82, Subpart A, Production and Consumption Controls.
4) If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant.

The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. *Federal Only - 40 CFR part 82*

10 CSR 10-6.280 Compliance Monitoring Usage

1) The permittee is not prohibited from using the following in addition to any specified compliance methods for the purpose of submission of compliance certificates:
   a) Monitoring methods outlined in 40 CFR Part 64;
   b) Monitoring method(s) approved for the permittee pursuant to 10 CSR 10-6.065, "Operating Permits", and incorporated into an operating permit; and
   c) Any other monitoring methods approved by the director.
2) Any credible evidence may be used for the purpose of establishing whether a permittee has violated or is in violation of any such plan or other applicable requirement. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred by a permittee:
   a) Monitoring methods outlined in 40 CFR Part 64;
   b) A monitoring method approved for the permittee pursuant to 10 CSR 10-6.065, "Operating Permits", and incorporated into an operating permit; and
   c) Compliance test methods specified in the rule cited as the authority for the emission limitations.
3) The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:
   a) Applicable monitoring or testing methods, cited in:
      i) 10 CSR 10-6.030, "Sampling Methods for Air Pollution Sources";
      ii) 10 CSR 10-6.040, "Reference Methods";

iii) 10 CSR 10-6.070, "New Source Performance Standards";
iv) 10 CSR 10-6.080, "Emission Standards for Hazardous Air Pollutants"; or

b) Other testing, monitoring, or information gathering methods, if approved by the director, that produce information comparable to that produced by any method listed above.

V. General Permit Requirements

The installation shall comply with each of the following requirements. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect as of the date that this permit is issued.

10 CSR 10-6.065, §(5)(C)1 and §(6)(C)1.B Permit Duration

This permit is issued for a term of five years, commencing on the date of issuance. This permit will expire at the end of this period unless renewed.

10 CSR 10-6.065, §(5)(C)1 and §(6)(C)1.C General Recordkeeping and Reporting Requirements

1) Recordkeeping
   a) All required monitoring data and support information shall be retained for a period of at least five years from the date of the monitoring sample, measurement, report or application.
   b) Copies of all current operating and construction permits issued to this installation shall be kept on-site for as long as the permits are in effect. Copies of these permits shall be made immediately available to any Missouri Department of Natural Resources' personnel upon request.
2) Reporting
   a) All reports shall be submitted to the Air Pollution Control Program, Enforcement Section, PO Box 176, Jefferson City, MO 65102,
   b) The permittee shall submit a report of all required monitoring by:
      i) October 1st for monitoring which covers the January through June time period, and
      ii) April 1st for monitoring which covers the July through December time period.
      iii) Exception: Monitoring requirements which require reporting more frequently than semi annually shall report no later than 30 days after the end of the calendar quarter in which the measurements were taken.
   c) Each report must identify any deviations from emission limitations, monitoring, recordkeeping, reporting, or any other requirements of the permit, this includes deviations or Part 64 exceedances.
   d) All reports shall be submitted to the Air Pollution Control Program, Enforcement Section, PO Box 176, Jefferson City, MO 65102.
   e) Submit supplemental reports as required or as needed. Supplemental reports are required no later than ten days after any exceedance of any applicable rule, regulation or other restriction. All reports of deviations shall identify the cause or probable cause of the deviations and any corrective actions or preventative measures taken.
      i) Notice of any deviation resulting from an emergency (or upset) condition as defined in paragraph (6)(C)7 of 10 CSR 10-6.065 (Emergency Provisions) shall be submitted to the permitting authority either verbally or in writing within two working days after the date on which the emission limitation is exceeded due to the emergency, if you wish to assert an affirmative defense. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that indicate an emergency occurred and that you can identify the cause(s) of the emergency. The permitted installation must show that it was operated properly at the time and that during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or requirements in the permit. The notice must contain a description of the emergency, the steps taken to mitigate emissions, and the corrective actions taken.
      ii) Any deviation that poses an imminent and substantial danger to public health, safety or the environment shall be reported as soon as practicable.

iii) Any other deviations identified in the permit as requiring more frequent reporting than the permittee's semiannual report shall be reported on the schedule specified in the permit.

iv) These supplemental reports shall be submitted to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any exceedance of any applicable rule, regulation, or other restriction.

f) Every report submitted shall be certified by the responsible official, except that, if a report of a deviation must be submitted within ten days after the deviation, the report may be submitted without a certification if the report is resubmitted with an appropriate certification within ten days after that, together with any corrected or supplemental information required concerning the deviation.

g) The permittee may request confidential treatment of information submitted in any report of deviation.

10 CSR 10-6.065 §(5)(C)1 and §(6)(C)1.D Risk Management Plan Under Section 112(r)

The permittee shall comply with the requirements of 40 CFR Part 68, Accidental Release Prevention Requirements. If the permittee has more than a threshold quantity of a regulated substance in process, as determined by 40 CFR Section 68.115, the permittee shall submit a Risk Management Plan in accordance with 40 CFR Part 68 no later than the latest of the following dates:

1) June 21, 1999;
2) Three years after the date on which a regulated substance is first listed under 40 CFR Section 68.130; or
3) The date on which a regulated substance is first present above a threshold quantity in a process.

10 CSR 10-6.065(5)(C)1.A General Requirements

1) The permittee must comply with all of the terms and conditions of this permit. Any noncompliance with a permit condition constitutes a violation and is grounds for enforcement action, permit termination, permit revocation and re-issuance, permit modification or denial of a permit renewal application.
2) The permittee may not use as a defense in an enforcement action that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.
3) The permit may be modified, revoked, reopened, reissued or terminated for cause. Except as provided for minor permit modifications, the filing of an application or request for a permit modification, revocation and re-issuance, or termination, or the filing of a notification of planned changes or anticipated noncompliance, will not stay any permit condition.
4) This permit does not convey any property rights of any sort, nor grant any exclusive privilege.
5) The permittee shall furnish to the Air Pollution Control Program, upon receipt of a written request and within a reasonable time, any information that the Air Pollution Control Program reasonably may require to determine whether cause exists for modifying, reopening, reissuing or revoking the permit. Upon request, the permittee also shall furnish to the Air Pollution Control Program copies of records required to be kept by the permittee. The permittee may make a claim of confidentiality for any information or records submitted under this rule.
6) Failure to comply with the limitations and conditions that qualify the installation for an Intermediate permit make the installation subject to the provisions of 10 CSR 10-6.065(6) and enforcement action for operating without a valid part 70 operating permit.

10 CSR 10-6.065,§(5)(C)1,§(5)(C)3,§(6)(C)3.B, and§(6)(C)3.E.(I)–(III) and (V)–(VI) Compliance Requirements

1) Any document (including reports) required to be submitted under this permit shall contain a certification signed by the responsible official.
2) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized officials of the Missouri Department of Natural Resources, or their authorized agents, to perform the following (subject to the installation's right to seek confidential treatment of information submitted to, or obtained by, the Air Pollution Control Program):
   a) Enter upon the premises where a permitted installation is located or an emissions-related activity is conducted, or where records must be kept under the conditions of this permit;
   b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
   c) Inspect, at reasonable times and using reasonable safety practices, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
   d) As authorized by the Missouri Air Conservation Law, Chapter 643, RSMo or the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the terms of this permit, and all applicable requirements as outlined in this permit.
3) All progress reports required under an applicable schedule of compliance shall be submitted semiannually (or more frequently if specified in the applicable requirement). These progress reports shall contain the following:
   a) Dates for achieving the activities, milestones or compliance required in the schedule of compliance, and dates when these activities, milestones or compliance were achieved, and
   b) An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventative or corrective measures adopted.
4) The permittee shall submit an annual certification that it is in compliance with all of the federally enforceable terms and conditions contained in this permit, including emissions limitations, standards, or work practices. These certifications shall be submitted annually by April 1st, unless the applicable requirement specifies more frequent submission. These certifications shall be submitted to EPA Region VII, 901 North 5th Street, Kansas City, Kansas 66101, as well as the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102. All deviations and Part 64 exceedances and excursions must be included in the compliance certifications. The compliance certification shall include the following:
   a) The identification of each term or condition of the permit that is the basis of the certification,
   b) The current compliance status, as shown by monitoring data and other information reasonably available to the installation,
   c) Whether compliance was continuous or intermittent,
   d) The method(s) used for determining the compliance status of the installation, both currently and over the reporting period, and
   e) Such other facts as the Air Pollution Control Program will require in order to determine the compliance status of this installation.

10 CSR 10-6.065, §(5)(C)1 and §(6)(C)7 Emergency Provisions

1) An emergency or upset as defined in 10 CSR 10-6.065(6)(C)7. shall constitute an affirmative defense to an enforcement action brought for noncompliance with technology-based emissions limitations. To establish an emergency- or upset-based defense, the permittee must demonstrate, through properly signed, contemporaneous operating logs or other relevant evidence, the following:
   a) That an emergency or upset occurred and that the permittee can identify the source of the emergency or upset,

b) That the installation was being operated properly,
c) That the permittee took all reasonable steps to minimize emissions that exceeded technology-based emissions limitations or requirements in this permit, and
d) That the permittee submitted notice of the emergency to the Air Pollution Control Program within two working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and any corrective actions taken.

2) Be aware that an emergency or upset shall not include noncompliance caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

10 CSR 10-6.065(5)(C)5 Off-Permit Changes

1) Except as noted below, The permittee may make any change in its permitted operations, activities or emissions that is not addressed in, constrained by or prohibited by this permit without obtaining a permit revision. Insignificant activities listed in the application, but not otherwise addressed in or prohibited by this permit, shall not be considered to be constrained by this permit for purposes of the off-permit provisions of this section. Off-permit changes shall be subject to the following requirements and restrictions:
   a) The change must meet all applicable requirements of the Act and may not violate any existing permit term or condition; The permittee may not change a permitted installation without a permit revision, if this change is subject to any requirements under Title IV of the Act or is a Title I modification;
   b) The permittee must provide written notice of the change to the permitting authority and to the administrator no later than the next annual emissions report. This notice shall not be required for changes that are insignificant activities under paragraph (6)(B)3. of this rule. This written notice shall describe each change, including the date, any change in emissions, pollutants emitted and any applicable requirement that would apply as a result of the change.
   c) The permittee shall keep a record describing all changes made at the installation that result in emissions of a regulated air pollutant subject to an applicable requirement and the emissions resulting from these changes; and
   d) The permit shield shall not apply to these changes.

10 CSR 10-6.020(2)(R)12 Responsible Official

The application utilized in the preparation of this was signed by Glenn P. Keefe, Operating VP - Electric. However, since that time Aquila transferred the duties of the Responsible Official to Mr. Scott Heidtbrink, VP Power Generation and Energy Resources. If this person terminates employment, or is reassigned different duties such that a different person becomes the responsible person to represent and bind the installation in environmental permitting affairs, the owner or operator of this air contaminant source shall notify the Director of the Air Pollution Control Program of the change. Said notification shall be in writing and shall be submitted within 30 days of the change. The notification shall include the name and title of the new person assigned by the source owner or operator to represent and bind the installation in environmental permitting affairs. All representations, agreement to terms and conditions and covenants made by the former responsible person that were used in the establishment of limiting permit conditions on this permit will continue to be binding on the installation until such time that a revision to this permit is obtained that would change said representations, agreements and covenants.

10 CSR 10-6.065 §(5)(E)4 and §(6)(E)6.A(III)(a)-(c) Reopening-Permit for Cause

This permit may be reopened with cause if:

1) The Missouri Department of Natural Resources (MDNR) or EPA determines that the permit contains a material mistake or that inaccurate statements were made which resulted in establishing the emissions limitation standards or other terms of the permit,

2) Additional applicable requirements under the Act become applicable to the installation; however, reopening on this ground is not required if—:
   a) The permit has a remaining term of less than three years;
   b) The effective date of the requirement is later than the date on which the permit is due to expire; or
   c) The additional applicable requirements are implemented in a general permit that is applicable to the installation and the installation receives authorization for coverage under that general permit,
3) MDNR or EPA determines that the permit must be reopened and revised to assure compliance with applicable requirements.

10 CSR 10-6.065 §(5)(E)1.A and §(6)(E)1.C Statement of Basis

This permit is accompanied by a statement setting forth the legal and factual basis for the draft permit conditions (including references to applicable statutory or regulatory provisions). This Statement of Basis, while referenced by the permit, is not an actual part of the permit.

Attachment A

10 CSR 10-2.210
Purchase Records for Cold Cleaning Solvent

Date	Solvent Supplier Name	Solvent Supplier Address	Type of Solvent	Solvent Volatility in mmHg at 20°C (68°F)

Attachment B

10 CSR 10-2.210
Solvent Containing Waste Transfer Log

Date	Amount of Total Solvent Transferred (gallons)	Amount of Solvent Transferred to a Contract Reclamation Service (gallons)	Amount of Solvent Transferred to a Disposal Facility (gallons)	Amount of Solvent Distilled on the Premises (gallons)

Attachment C

Inspection/Maintenance/Repair/Malfunction Log

Date	Equipment/Emission Unit	Activities Performed

Attachment D

10 CSR 10-2.210
Employee Solvent Metal Cleaning Training Log

Date	Title of Solvent Metal Cleaning Training Course	Instructor

Attachment E

This attachment may be used to demonstrate compliance with 10 CSR 10-2.040, *Maximum Allowable Emission of Particulate Matter from Fuel Burning Equipment Used for Indirect Heating*

Emission Limit for EU0007 (existing, i.e. installed by 02/15/1979):

$1.09\ Q^{-0.259} = 1.09(0.70)^{-0.259} = 1.20$ lb/mmBtu

where Q is the total heat input of all indirect heating sources at the installation.

The following equipment was used to obtain the total heat input (Q) for the above equation:

Equipment	Heat Input (mmBtu/hr)
Space Heater	0.6
Space Heater	0.05
Space Heater	0.05
TOTAL	**0.70**

The various natural gas process burners at the installation are considered direct heating sources, and therefore were not included in the calculation of total heat input.

The following table demonstrates compliance with the emission limit:

Emission Rate (lb/mmBtu) = MHDR*Emission Factor/Heat Capacity (mmBtu/hr)

Emission Unit #	Heat Capacity	Maximum Hourly Design Rate*	PM Emission Factor	Emission Factor Reference	Potential Emission Rate	Emission Rate Limit
EU0007 (distillate oil)	0.70 (mmBtu/hr)	5.0 gal/hr	2.0 lb/10^3 gal	AP-42 Table 1.3-1	0.01 (lb/mmBtu)	1.20 (lb/mmBtu)

* Convert Heat capacity to volume divided by heating value of 140 mmBtu/1000gal for fuel oil (AP-42, Appendix A)

STATEMENT OF BASIS

Permit Reference Documents
These documents were relied upon in the preparation of the operating permit. Because they are not incorporated by reference, they are not an official part of the operating permit.

1) Part 70 Operating Permit Application, received October 15, 2002
2) 2004 Emissions Inventory Questionnaire, received March 28, 2005;
3) U.S. EPA document AP-42, *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition.

Applicable Requirements Included in the Operating Permit but Not in the Application or Previous Operating Permits

None.

Other Air Regulations Determined Not to Apply to the Operating Permit
The Air Pollution Control Program (APCP) has determined the following requirements to not be applicable to this installation at this time for the reasons stated.

10 CSR 10-2.215 *Control of Emissions from Solvent Cleanup* does not apply to the installation because " cold cleaners" are exempted from regulatory requirements by 10 CSR 10-2.215(1)(C)1.

10 CSR 10-2.040 *Maximum Allowable Emission of Particulate Matter From Fuel Burning Equipment Used for Indirect Heating.* None of the space heaters at the installation meet the definition of an indirect heating source as defined in 10 CSR 10-6.020(2)(I)2. The rule does not apply.

40 CFR 60 Subpart K *Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978* and Subpart Ka *Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984* do not apply to the #2 fuel oil storage tanks at this installation. Fuel Oil #2 is specifically exempt from these regulations.

40 CFR 60 Subpart GG *Standards of Performance for Stationary Gas Turbines* does not apply to Combustion Turbine Units 1 through 4 (EU0001 through EU0004).

Greenwood Energy Center has documentation of a contractual obligation with the turbine manufacturer for all four turbines. This was dated October 8, 1976.

Subpart GG applies to any facility "which commences construction, modification, or reconstruction after October 3, 1977". "Construction" is defined by 40 CFR Section 60.2(g) as "fabrication, erection of installation of an affected facility." "Commenced" is defined by 40 CFR Section 60.2(i) to mean "that an owner or operator has undertaken a continuous program of construction or modification or that an owner or operator has entered into a contractual obligation to undertake and complete, within a reasonable time, a continuous program of construction or modification." As the regulation indicates, the element of "commencement" can be satisfied by the existence of a "contractual obligation".
Since Greenwood did commence construction before the effective date of Subpart GG (shown by contractual obligation), then Subpart GG does not apply.

Construction Permit Revisions

The following revisions were made to construction permits for this installation:
none

NSPS Applicability
none

MACT Applicability
none

NESHAP Applicability
In the permit application and according to APCP records, there was no indication that any Missouri Air Conservation Law, Asbestos Abatement, 643.225 through 643.250; 10 CSR 10-6.080, Emission Standards for Hazardous Air Pollutants, Subpart M, National Standards for Asbestos; and 10 CSR 10-6.250, Asbestos Abatement Projects - Certification, Accreditation, and Business Exemption Requirements apply to this installation. The installation is subject to these regulations if they undertake any projects that deal with or involve any asbestos containing materials. None of the installation's operating projects underway at the time of this review deal with or involve asbestos containing material. Therefore, the above regulations were not cited in the operating permit. If the installation should undertake any construction or demolition projects in the future that deal with or involve any asbestos containing materials, the installation must follow all of the applicable requirements of the above rules related to that specific project. No other National Emission Standards for Hazardous Air Pollutants (NESHAPs) apply to this installation.

CAM Applicability
40 CFR Part 64, *Compliance Assurance Monitoring (CAM)*
The CAM rule applies to each pollutant specific emission unit that meets all of the following:

- Be subject to an emission limitation or standard, and
- Use a control device to achieve compliance, and
- Have pre-control emissions that exceed or are equivalent to the major source threshold.

40 CFR Part 64 is not applicable because none of the pollutant-specific emission units uses a control device to achieve compliance with a relevant standard.

Other Regulatory Determinations
none

Other Regulations Not Cited in the Operating Permit or the Above Statement of Basis
Any regulation which is not specifically listed in either the Operating Permit or in the above Statement of Basis does not appear, based on this review, to be an applicable requirement for this installation for one or more of the following reasons:

1) The installation is not in the source category regulated by that rule;
2) The specific pollutant regulated by that rule is not emitted by the installation;
3) The installation is not in the county or specific area that is regulated under the authority of that rule;
4) The installation does not contain the type of emission unit which is regulated by that rule;
5) The rule is only for administrative purposes.

Should a later determination conclude that the installation is subject to one or more of the regulations cited in this Statement of Basis or other regulations which were not cited, the installation shall determine and demonstrate, to the APCP's satisfaction, the installation's compliance with that regulation(s). If the installation is not in compliance with a regulation which was not previously cited, the installation shall submit to the APCP a schedule for achieving compliance for that regulation(s).

Prepared by:

Slawomir Szydlo, P.E.
Environmental Engineer