SIGNIFICANT PERMIT REVISION DESCRIPTION

This significant revision authorizes Northern Arizona University to operate the equipment listed in Attachment "C", as revised by this significant revision. An emergency generator with equipment ID number EG – 12 has been removed from Attachment "C" of Operating Permit # 33678. The following equipment has been added as part of this significant revision.

1. 1 Boiler of maximum capacity 0.665 MMBtu/hr
2. 3 emergency generators of capacities of 252 hp, 800 hp and 1100 hp respectively
3. 8 cooling towers
4. 8 gas fired kilns of maximum capacity of 0.5 MMBtu/hr each
5. 6 wood fired kilns of maximum capacities of 1.01 MMBtu/hr, 1.425 MMBtu/hr, 0.74 MMBtu/hr, 0.76 MMBtu/hr, 0.33 MMBtu/hr, and 3.8 MMBtu/hr respectively
6. 1 spray booth heater and 2 spray booth blowers

ATTACHMENT "B": SPECIAL CONDITIONS
Addenda (Significant Revision #42956)
to Operating Permit #33678
for
Northern Arizona University

The following changes shall be made to Operating Permit # 33678:

Condition I.A.3 is hereby added to Attachment "B" of Operating Permit # 33678.

I. FACILITY WIDE LIMITATIONS

A. Operational Limitations [A.A.C. R18-2-306.A.2]

3. *The Permittee shall operate all equipment at the facility for no more than the hours per year limit specified in Attachment "C", on a twelve-month rolling total*.

[A.A.C. R18-2-306.01 and 331.A.3.a]
[Material permit conditions are indicated by underline and italics]

Section II of Attachment "B" of Operating Permit # 33678 is hereby revised to read as follows.

II. BOILERS & HEATER – NON NSPS REQUIREMENTS

A. Applicability

This section is applicable to the boilers and heater that are not subject to NSPS requirements as specified in Attachment 'C".

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B. Operating Limitations

[A.A.C. R18-2-306.01 and -331.A.3.a]
[Material permit conditions are indicated by underline and italics]

1. Fuel Limitations [A.A.C. R18-2-306.A.2]

The Permittee shall only fire natural gas fuel in the boilers and heater.

2. Recordkeeping Requirements

The Permittee shall maintain a daily log of the actual hours of operation of each boiler and heater. At the end of each month, the Permittee shall calculate and record a rolling 12-month total of the hours of operation.
[A.A.C. R18-2-306.A.3.c]

C. Particulate Matter (PM) Requirements

1. Emissions Limitations and Standards [A.A.C. R18-2-724.C.1]

The Permittee shall not cause, allow or permit the emission of particulate matter, caused by combustion of fuel, from any fuel-burning operation into the atmosphere in excess of the amounts calculated by the following equation:

$E = 1.02\ Q^{0.769}$

Where

E = the maximum allowable particulate emission rate in pounds-mass per hour

Q = the heat input in million Btu per hour

2. For purposes of this Section, the heat input shall be the aggregate heat content of all fuels whose products of combustion pass through a stack or other outlet. The total heat input of all fuel-burning units on a plant or premises shall be used for determining the maximum allowable amount of particulate matter which may be emitted. [A.A.C. R18-2-724.B]

3. Monitoring, Reporting, and Recordkeeping Requirements [A.A.C. R18-2-306.A.3.c]

The Permittee shall keep records of fuel supplier certifications to demonstrate compliance with the PM limit specified in Condition II.C.1. The certification shall contain information regarding the name of fuel supplier and heating value of the fuel. These records shall be made available to ADEQ upon request.

4. Permit Shield [A.A.C. R18-2-325]

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Compliance with Condition II.C shall be deemed compliance with A.A.C. R18-2-724.B and -724.C.1.

D. Opacity Requirements

1. Emissions Limitations and Standards

The Permittee shall not cause, allow or permit the opacity of any plume or effluent from any boilers and heater to exceed 15%. [A.A.C. R18-2-724.J]

2. Monitoring, Reporting, and Recordkeeping Requirements

a. A certified EPA Reference Method 9 observer shall conduct a monthly survey of visible emissions emanating from the stack of each boiler and heater. If the opacity of the emissions observed appears to exceed the standard, the observer shall conduct a certified EPA Reference Method 9 observation. The Permittee shall keep records of the initial survey and any EPA Reference Method 9 observations performed. These records shall include the emission point observed, location of observer, name of observer, date and time of observation, and the results of the observation. [A.A.C. R18-2-306.A.3.c]

b. If the observation shows a Method 9 opacity reading in excess of 15%, the Permittee shall initiate appropriate corrective action to reduce the opacity below 15%. The Permittee shall keep a record of the corrective action performed. [A.A.C. R18-2-306.A.3.c]

c. The Permittee shall report all 6-minute periods during which the visible emissions exceed 15 percent opacity, as required under Section XII of Attachment "A". [A.A.C. R18-2-724.J]

3. Permit Shield [A.A.C. R18-2-325]

Compliance with Condition II.D shall be deemed compliance with A.A.C. R18-2-724.J.

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Condition IV.A of Attachment "B" of Operating Permit # 33678 is hereby revised to read as follows.

IV. INTERNAL COMBUSTION ENGINES

A. Applicability

This Section applies to compression ignition engines marked as "N" in NSPS column in Attachment "C".

Condition IV.B of Attachment "B" of Operating Permit # 33678 is hereby revised to read as follows.

IV. INTERNAL COMBUSTION ENGINES

B. Operating Limitations

1. Fuel Limitations

The Permittee shall only fire low sulfur diesel (less than 0.9 percent by weight of sulfur) fuel in the internal combustion engines, with the exception of natural gas in the internal combustion engines with equipment ID's EG-3, EG-5 and EG-11 identified in Attachment "C". [A.A.C. R18-2-719.H]

2. Monitoring and Recordkeeping

The Permittee shall keep records of monthly totals of the hours of operation of each internal combustion engine. At the end of each month, the Permittee shall calculate and record a rolling 12-month total of the hours of operation. [A.A.C. R18-2-306.A.3.c]

3. Permit Shield [A.A.C. R18-2-325]

Compliance with Condition IV.B shall be deemed compliance with A.A.C. R18-2-719.H.

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Section VI of Attachment "B" of Operating Permit # 33678 is hereby revised to read as follows.

VI. OTHER PERIODIC ACTIVITY REQUIREMENTS

A. Abrasive Blasting

Particulate Matter and Opacity

1. Emissions Limitations and Standards

a. The Permittee shall not cause or allow sandblasting or other abrasive blasting without minimizing dust emissions to the atmosphere through the use of good modern practices. Good modern practices include:

(1) wet blasting;

(2) effective enclosures with necessary dust collecting equipment; or

(3) any other method approved by the Director.

[A.A.C. R18-2-726]

b. Opacity

The Permittee shall not cause, allow or permit visible emissions from sandblasting or other abrasive blasting operations in excess of 20% opacity, as measured by EPA Reference Method 9.

[A.A.C. R18-2-702.B]

2. Monitoring and Recordkeeping Requirements

Each time an abrasive blasting project is conducted, the Permittee shall log in ink or in an electronic format, a record of the following:

a. The date the project was conducted;

b. The duration of the project; and

c. Type of control measures employed.

[A.A.C. R18-2-306.A.3.c]

3. Permit Shield

Compliance with this Part shall be deemed compliance with A.A.C. R18-2-726, A.A.C. R18-2-702.B. [A.A.C.R18-2-325]

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B. Demolition/Renovation - Hazardous Air Pollutants

1. Emissions Limitations and Standards

The Permittee shall comply with all of the requirements of 40 CFR 61 Subpart M (National Emissions Standards for Hazardous Air Pollutants - Asbestos). [A.A.C. R18-2-1101.A.8]

2. Monitoring and Recordkeeping Requirements

The Permittee shall keep all required records in a file. The required records shall include the "NESHAP Notification for Renovation and Demolition Activities" form and all supporting documents. [A.A.C. R18-2-306.A.3.c]

3. Permit Shield

Compliance with the conditions of this Part shall be deemed compliance with A.A.C. R18-2-1101.A.8. [A.A.C. R18-2-325]

Section VIII is hereby added to Attachment "B" of Operating Permit # 33678.

VIII. COMPRESSION IGNITION ENGINES SUBJECT TO NSPS REQUIREMENTS

A. Applicability

This Section applies to compression ignition engines marked as "Y" in NSPS column in Attachment "C".

B. General Requirements

1. Operating Requirements

a. The Permittee shall operate and maintain the engine according to the manufacturer's written instructions or procedures developed by the Permittee that are approved by the engine manufacturer. A copy of the instructions or procedures shall be kept onsite and made available to ADEQ upon request. [40 CFR 60.4211(a) and A.A.C. R18-2-306.A.3]

b. The Permittee shall only change those engine settings that are permitted by the manufacturer. [40 CFR 60.4211(a)]

c. The Permittee shall meet the requirements of 40 CFR Parts 89, 94, or 1068, as they apply. [40 CFR 60.4211(a)]

d. The Permittee shall operate and maintain the internal combustion engine

according to the manufacturer's written instructions or procedures developed by the Permittee that are approved by the engine manufacturer over the entire life of the engine. [40 CFR 60.4206]

e. Fuel Requirements

(1) After October 1, 2007, the Permittee shall use diesel fuel that meets the following requirements of 40 CFR 80.510(a):

(a) Sulfur content: 500 parts per million (ppm) maximum; and

(b) A minimum cetane index of 40 or a maximum aromatic content of 35 volume percent.

[40 CFR 60.4207(a)]

(2) After October 1, 2010, the Permittee shall use diesel fuel that meets the following requirements of 40 CFR 80.510(b):

(a) Sulfur content: 15 ppm maximum; and

(b) A minimum cetane index of 40 or a maximum aromatic content of 35 volume percent.

[40 CFR 60.4207(b)]

f. Additional Emergency Engine Requirements

[40 CFR 60.4211(e), 60.4209(a), A.A.C. R18-2-306.A.3.c, -306.A.4, and -331.A.3.c]

[Material permit conditions are indicated by underline and italics]

(1) *The Permittee shall install a non-resettable hour meter prior to startup of the engine.*

(2) Emergency internal combustion engines may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine.

(3) The Permittee shall not operate the emergency engine for the purposes of maintenance checks and readiness testing for more than 100 hours per year unless the Permittee maintains records identifying the Federal, State, or local standards that require maintenance and testing of emergency internal combustion engines beyond 100 hours per year. Copies of such records shall be provided to ADEQ upon request.

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(4) The Permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the Permittee maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency internal combustion engines beyond 100 hours per year.

(5) The Permittee shall not operate emergency engines except for emergency purposes, and maintenance and testing. There is no time limit on the use of the engine in emergency situations.

(6) The Permittee shall maintain monthly records of engine operation. The records shall include the purpose of operation and the duration of time the engine was operated. The record shall identify whenever the operation of the engine was for emergency purposes.

2. Monitoring and Recordkeeping Requirements

a. The Permittee of a stationary compression ignition internal combustion engine that is required to comply with the emission standards specified in Conditions VIII.C.1, VIII.D.1.a, VIII.D.1.b, VIII.E.1, VIII.F.1, shall demonstrate compliance according to one of the methods specified below:

(1) Purchasing an engine certified according to 40 CFR Part 89 or 40 CFR Part 94, as applicable, for the same model year and maximum engine power. The engine shall be installed and configured according to the manufacturer's specifications.

(2) Keeping records of performance test results for each pollutant for a test conducted on a similar engine. The test shall have been conducted using the methods specified in 40 CFR 60.4212 or 4213, and the methods shall have been followed correctly.

(3) Keeping records of engine manufacturer data indicating compliance with the standards.

(4) Keeping records of control device vendor data indicating compliance with the standards.

(5) Conducting an initial performance test to demonstrate compliance with the emission standards according to the requirements specified in 40 CFR 60.4212, as applicable.

[40 CFR 60.4211(b)]

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b. An internal combustion engine that is required to comply with the emission standards specified in Condition VIII.D.1.b shall demonstrate compliance according to the requirements specified below:

Conducting an initial performance test to demonstrate initial compliance with the emission standards as specified in 40 CFR 60.4213.
[40 CFR 60.4211(d)]

c. The Permittee shall maintain a copy of engine certifications or other documentation demonstrating that each engine complies with the applicable standards in this Permit, and shall make the documentation available to ADEQ upon request. [A.A.C. R18-2-306.A.4]

3. Testing Requirements [40 CFR 60.4212 and 60.4213]

The Permittee of an internal combustion engine with a displacement of less than 30 liters per cylinder that conducts performance tests pursuant to this Permit shall do so according to 40 CFR 60.4212.

4. Permit Shield [A.A.C. R18-2-325]

Compliance with the conditions of this Part shall be deemed compliance with 40 CFR 60.4204(b), 60.4205(b), 60.4206, 60.4207(a) and (b), 60.4211(a), (b), (c), and (d), 60.4212, 60.4213, and 60.4214.

C. Particulate Matter (PM) Requirements

1. Emissions Limitations and Standards

Pre-2007 model year engines with a displacement of less than 10 liters per cylinder shall meet the following particulate matter emission standards:

Maximum Engine Power (EP) (horsepower)	Emissions Limit (grams/horsepower-hour)
EP≥175	0.40

[40 CFR 60.4204(a) and 60.4205(a)]

2. Permit Shield [A.A.C. R18-2-325]

Compliance with the conditions of this Part shall be deemed compliance with 40 CFR 60.4204(a) and 60.4205(a).

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D. Nitrogen Oxides Requirements

1. Emissions Limitations and Standards

a. Pre-2007 model year internal combustion engines, that are not fire pump engines, that have a displacement of less than 10 liters per cylinder shall meet the following emission standards:

Maximum Engine Power (EP) (horsepower)	Emissions Limit (grams/horsepower-hour)
EP≥50	6.9

[40 CFR 60.4204(a) and 60.4205(a)]

b. Pre-2007 model year internal combustion engines that have a displacement of greater than 10 liters per cylinder but less than 30 liters per cylinder that are not fire pump engines shall comply with the emission standards in 40 CFR 94.8(a)(1) as follows:

[40 CFR 60.4204(a) and 60.4205(a)]

(1) 17.0 g/kW-hr when the maximum test speed is less than 130 rpm.

(2) $45.0 \times N^{-0.20}$ g/kW-hr when the maximum test speed is at least 130 but less than 2000 rpm, where N is the maximum test speed of the engine in revolutions per minute.

(3) 9.8 g/kW-hr when the maximum test speed is 2000 rpm or more.

(4) All speed-dependent standards in this Part shall be rounded to the nearest 0.1 g/kW-hr.

2. Permit Shield [A.A.C. R18-2-325]

Compliance with the conditions of this Part shall be deemed compliance with 40 CFR 60.4204(a), 60.4204(c)(1), 60.4205(a), 60.4205(c), and 60.4205(d)(1).

E. Carbon Monoxide Requirements

1. Emissions Limitations and Standards

Pre-2007 model year internal combustion engines with a displacement of less than 10 liters per cylinder shall meet the following emission standards:

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Maximum Engine Power (EP) (horsepower)	Emissions Limit (grams/horsepower-hour)
EP≥175	8.5

[40 CFR 60.4204(a) and 60.4205(a)]

2. Permit Shield [A.A.C. R18-2-325]

Compliance with the conditions of this Part shall be deemed compliance with 40 CFR 60.4204(a), 60.4205(a) and 60.4205(c).

F. Hydrocarbon Requirements

1. Emissions Limitations and Standards

Pre-2007 model year internal combustion engines that have a displacement of less than 10 liters per cylinder and a maximum engine power rating greater than or equal to 175 horsepower shall not emit more than 1.0 gram of hydrocarbons per horsepower hour. [40 CFR 60.4204(a) and 60.4205(a)]

2. Permit Shield [A.A.C. R18-2-325]

Compliance with the conditions of this Part shall be deemed compliance with 40 CFR 60.4204(a) and 60.4205(a).

Section IX is hereby added to Attachment "B" of Operating Permit # 33678.

IX. COOLING TOWERS, GAS FIRED AND WOOD-FIRED KILNS

A. Fuel Limitations

a. The Permittee shall only fire wood and natural gas in the kilns.
[A.A.C. R18-2-306.A.2]

b. *The Permittee shall not burn more than 30.25 cords of wood in any rolling 12-month period basis cumulative for all six wood-fired kilns.*
[A.A.C. R18-2-306.01.A and -331.A.3.a]
[Material Permit Condition is indicated by underline and italics]

c. The Permittee shall keep records of monthly totals of wood used in the wood fired kilns. [A.A.C. R18-2-306.A.3.c]

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B. Operational Limitations

1. Hours Limitations

The Permittee shall not operate the wood-fired and gas-fired kilns for more than the hours per year listed in Attachment "C", based on a twelve month rolling total. [A.A.C. R18-2-306.01.A and -331.A.3.a]

[Material Permit Condition is indicated by underline and italics]

2. Monitoring and Recordkeeping Requirements

The Permittee shall keep records of monthly totals of the hours of operation of each wood-fired and gas-fired kiln. At the end of each month, the Permittee shall calculate and record a rolling 12-month total of the hours of operation. [A.A.C. R18-2-306.A.3.c]

C. Particulate Matter (PM) Requirements

1. Emission Limitation and Standards

a. The Permittee shall not cause or permit the emissions of particulate matter discharged into the atmosphere in any one hour from any process source in total quantities in excess of the amounts calculated by one of the following equations:

(1) For process sources having a process weight rate of 60,000 pounds per hour (30 tons per hour) or less, the maximum allowable emissions shall be determined by the following equation:

$$E = 4.10P^{0.67}$$

where:

E = the maximum allowable particulate emissions rate in pounds-mass per hour.

P = the process weight rate in tons-mass per hour.

(2) For process weight rate greater than 60,000 pounds per hour (30 tons per hour), the maximum allowable emissions shall be determined by the following equation:

$$E = 55.0P^{0.11} - 40$$

where:

"E" and "P" are defined as indicated in IX.C.1.a.(1) above.
[A.A.C. R18-2-730.A]

b. For purposes of this Section, the total process weight from all similar units employing a similar type process shall be used in determining the maximum allowable emission of particulate matter. [A.A.C. R18-2-730.B]

2. Monitoring, Recordkeeping, and Reporting Requirements

The Permittee shall maintain a vendor-approved copy of that part of the Federal Energy Regulatory Commission (FERC) approved Tariff agreement that contains the sulfur content and the lower heating value of the pipeline quality natural gas. These records shall be made available to ADEQ upon request.
[A.A.C. R18-2-306.A.3]

3. Permit Shield

Compliance with this Part shall be deemed compliance with A.A.C. R18-2-730.A, and A.A.C R18-2-730.B.

D. Opacity Requirements

1. Emission Limits and Standards

a. The Permittee shall not cause to be discharged into the atmosphere from the cooling towers, gas-fired and wood-fired kilns any gases which exhibit greater than 20% opacity, measured in accordance with EPA Reference Method 9. [A.A.C. R18-2-702.B]

b. If the presence of uncombined water is the only reason for an exceedance of any visible emissions requirement, the exceedance shall not constitute a violation of the applicable opacity limit.
[A.A.C. R18-2-702.C]

2. Monitoring, Record keeping and Reporting Requirements

A certified EPA Reference Method 9 observer shall conduct a monthly survey of visible emissions emanating from the cooling towers, gas-fired and wood-fired kilns. If the opacity of the emissions observed appears to exceed the standard, the observer shall conduct a certified EPA Reference Method 9 observation. The Permittee shall keep records of the initial survey and any EPA Reference Method 9 observations performed. These records shall include the emission point observed, location of the observer, name of the observer, date and time of the observation, and the results of the observation. If the observation results in an exceedance of the opacity limit contained in Condition.IX.D.1.a above, the Permittee shall take corrective action and log all such actions. Such exceedance

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shall be reported as excess emissions in accordance with Section XII of Attachment "A". [A.A.C. R18-2-306.A.3.c]

3. Permit Shield [A.A.C. R18-2-325]

Compliance with the conditions of this Part shall be deemed compliance with the following applicable provisions as of the issuance date of this permit: A.A.C. R18-2-702.B, and A.A.C. R18-2-702.C.

E. Gaseous Emissions Requirements

1. Emission Limits and Standards

a. The Permittee shall not emit gaseous or odorous materials from equipment, operations or premises under his control in such quantities or concentrations as to cause air pollution. [A.A.C. R18-2-730.D]

b. Materials including solvents or other volatile compounds, paints, acids, alkalies, and other chemicals utilized in the process shall be processed, stored, used, and transported in such a manner and by means that they will not evaporate, leak, escape or be otherwise discharged into the ambient air so as to cause or contribute to air pollution. Where means are available to reduce effectively the contribution to air pollution from evaporation, leakage or discharge, the installation and use of such control methods, devices, or equipment shall be mandatory. [A.A.C. R18-2-730.F]

c. Where a stack, vent or other outlet is at such a level that fumes, gas mist, odor, smoke, vapor or any combination thereof constituting air pollution is discharged to adjoining property, the Director may require the installation of abatement equipment or the alteration of such stack, vent, or other outlet by the owner or operator thereof to a degree that will adequately dilute, reduce or eliminate the discharge of air pollution to adjoining property. [A.A.C. R18-2-730.G]

2. Permit Shield [A.A.C. R18-2-325]

Compliance with the conditions of this Part shall be deemed compliance with the following applicable provisions as of the issuance date of this permit: A.A.C. R18-2-730.D, F, and G.

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F. Sulfur Dioxide Requirements

1. Emissions Limitations and Standards [A.A.C. R18-2-730.A.2]

The Permittee shall not cause or allow the emission of sulfur dioxide expressed as SO_x, at an emission rate greater than 600 parts per million.

2. Permit Shield [A.A.C. R18-2-325]

Compliance with this Part shall be deemed compliance with A.A.C. R18-2-730.A.2.

G. Nitrogen Oxides Requirements

1. Emissions Limitations and Standards [A.A.C. R18-2-730.A.3]

The Permittee shall not cause or allow the emission of nitrogen oxides expressed as NO_x, at an emission rate greater than 500 parts per million.

2. Permit Shield [A.A.C. R18-2-325]

Compliance with this Part shall be deemed compliance with A.A.C. R18-2-730.A.3.

Section X is hereby added to Attachment "B" of Operating Permit # 33678.

X. SPRAY PAINTING OPERATIONS

A. Volatile Organic Compounds

1. Emissions Limitations and Standards

While performing spray painting operations, the Permittee shall comply with the following requirements:

a. The Permittee shall not conduct or cause to be conducted any spray painting operation without minimizing organic solvent emissions. Such operations, other than architectural coating and spot painting, shall be conducted in an enclosed area equipped with controls containing no less than 96 percent of the overspray.

[A.A.C.R18-2-727.A]

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b. The Permittee or their designated contractor shall not either:

(a) Employ, apply, evaporate, or dry any architectural coating containing photochemically reactive solvents for industrial or commercial purposes; or

(b) Thin or dilute any architectural coating with a photochemically reactive solvent.

[A.A.C.R18-2-727.B]

c. For the purposes of Condition X.A.1.a.ii, a photochemically reactive solvent shall be any solvent with an aggregate of more than 20 percent of its total volume composed of the chemical compounds classified in Conditions X.A.1.a.iii(a) through X.A.1.a.iii(c) below, or which exceeds any of the following percentage composition limitations, referred to the total volume of solvent:

(a) A combination of the following types of compounds having an olefinic or cyclo-olefinic type of unsaturation-hydrocarbons, alcohols, aldehydes, esters, ethers, or ketones: 5 percent.

(b) A combination of aromatic compounds with eight or more carbon atoms to the molecule except ethylbenzene: 8 percent.

(c) A combination of ethylbenzene, ketones having branched hydrocarbon structures, trichloroethylene or toluene: 20 percent.

[A.A.C.R18-2-727.C]

d. Whenever any organic solvent or any constituent of an organic solvent may be classified from its chemical structure into more than one of the groups of organic compounds described in Conditions X.A.1.a.iii(a) through X.A.1.a.iii(c) above, it shall be considered to be a member of the group having the least allowable percent of the total volume of solvents.

[A.A.C.R18-2-727.D]

2. Monitoring and Recordkeeping Requirements

a. Each time a spray painting project is conducted, the Permittee shall log in ink, or in an electronic format, a record of the following:

(a) The date the project was conducted;

(b) The duration of the project;

(c) Type of control measures employed;

(d) Material Safety Data Sheets for all paints and solvents used in

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the project; and

(e) The amount of paint consumed during the project.

b. Architectural coating and spot painting projects shall be exempt from the recordkeeping requirements of Condition X.A.1.b.i above.

[A.A.C. R18-2-306.A.3.c]

3. Permit Shield

Compliance with this Part shall be deemed compliance with A.A.C.R18-2-727 and SIP Provision R9-3-527.C. [A.A.C.R18-2-325]

B. Opacity

a. Emissions Limitations and Standards

The Permittee shall not cause, allow or permit visible emissions from painting operations in excess of 20% opacity, as measured by EPA Reference Method 9.

[A.A.C. R18-2-702.B]

b. Permit Shield

Compliance with the conditions of this Part shall be deemed compliance with A.A.C.R18-2-702.B. [A.A.C. R18-2-325]

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Attachment "C" of Operating Permit # 33678 shall be revised to read as follows:

Attachment "C"

Unit	Maximum Rated capacity	Make	Model	Serial Number	Equipment Identification Number	Date of Manufacture or Modification	Hours of Operation per year	NSPS Applicability
Diesel generator	1100 HP	Cummins	DQCB-5749153	D060912750	17-1	2006	200	Y
Diesel generator	800 HP	Detroit DSL	573RSL5057B PW	17104	82-3	1989	200	N
Diesel generator	252 HP	Onan	DGFB-5751116	B060889878	56-1	2006	200	Y
Wood Kiln	1 MMBtu/hr	Noborigama	TBD	TBD	80-9	1988	200	N
Wood Kiln	1 MMBtu/hr	Anagama	TBD	TBD	80-10	1989	200	N
Wood Kiln	1 MMBtu/hr	Anagama	TBD	TBD	80-11	1990	200	N
Wood Kiln	1 MMBtu/hr	Double	TBD	TBD	80-14	2006	200	N
Wood Kiln	1 MMBtu/hr	Double Catinary	TBD	TBD	80-12	1994	200	N
Wood Kiln	1 MMBtu/hr	Train	TBD	TBD	80-13	2006	200	N
Gas Fired Kiln	0.5 MMBtu/hr	West Coast	TBD	TBD	80-1	1990	300	N
Gas Fired Kiln	0.5 MMBtu/hr	West Coast	TBD	TBD	80-2	1990	300	N
Gas Fired Kiln	0.5 MMBtu/hr	West Coast	TBD	TBD	80-3	1990	300	N
Gas Fired Kiln	0.5 MMBtu/hr	West Coast	TBD	TBD	80-4	1990	300	N

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Attachment "C" Continued

Unit	Maximum Rated capacity	Make	Model	Serial Number	Equipment Identification Number	Date of Manufacture or Modification	Hours of Operation per year	NSPS Applicability
Gas Fired Kiln	0.5 MMBtu/hr	East Coast	TBD	TBD	80-5	1990	300	N
Gas Fired Kiln	0.5 MMBtu/hr	East Coast	TBD	TBD	80-6	1991	300	N
Gas Fired Kiln	0.5 MMBtu/hr	East Coast	TBD	TBD	80-7	1991	300	N
Gas Fired Kiln	0.5 MMBtu/hr	East Coast	TBD	TBD	80-8	1991	300	N
Paint Booth Heater	1.037 MMBtu/hr	Bananza	B-1000	98011000.8	77A-1	1992	500	N
Paint Booth Blower	28,400 CFM	Binks	30-1800	FAF24U	77-4	1990	500	N
Paint Booth Blower	10,000 CFM	M&W	RAF26A	MW4598	77A-2	1991	500	N
Boiler	0.665 MMBtu/hr	Lochinvar	CIL665	D875798	77-3	1988	8760	N
Cooling Tower 1	1000 gallons/min	Baltimore Aircoil	VFL-963-NM	94201204	70-1	1990	8760	N
Cooling Tower 2	1000 gallons/min	Baltimore Aircoil	F1443P	90200582	65-1	1989	8760	N
Cooling Tower 3	1000 gallons/min	Baltimore Aircoil	VTO-019GC	93201012	66-1	1991	8760	N
Cooling Tower 4	2000 gallons/min	Baltimore Aircoil	F1482-NMR	90201623	28-1	1990	8760	N
Cooling Tower 5	2000 gallons/min	Ridgeline Connglass	AT8324B	977519W	24-4	1990	8760	N
Cooling Tower 6	2000 gallons/min	Ridgeline Connglass	AT8324B	977520W	24-5	1990	8760	N
Cooling Tower 7	2500 gallons/min	Evapco	AT212624	4-109619	67-5	2006	8760	N

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Cooling Tower 8	2500 gallons/min	Evapco	AT212624	4-109620	67-6	2006	8760	N

Attachment "C" Continued

Unit	Maximum Rated capacity	Make	Model	Serial Number	Equipment Identification Number	Date of Manufacture or Modification	Hours of Operation per year	NSPS Applicability
Steam boiler	61.2 MMBtu/hr	Zurn	12-M	99925	N-1	1980	6000	N
Steam boiler	59.2 MMBtu/hr	Erie City	11-M	97446	N-2	1966	7500	N
Steam boiler	59.2 MMBtu/hr	Erie City	11-M	97996	N-3	1969	2943	N
Hot water boiler	12.6 MMBtu/hr	Universal	BF600W1-GP	15645	S-1	2000	5000	Y
Hot water boiler	25 MMBtu/hr	Cleaver Brooks	DL-60	WL-1463	S-2	1970	4800	N
Hot water boiler	57.4 MMBtu/hr	Cleaver Brooks	DLW-60	WL-2392	S-3	1975	200	N
Hot water boiler	3.6 MMBtu/hr	Rite	375	8821368	25-1	1988	7000	N
Hot water boiler	3.6 MMBtu/hr	Rite	375	8821369	25-2	1988	7000	N
Hot water boiler	3.0 MMBtu/hr	Rite	300-LL	8821428	25-3	1988	5000	N
Hot water boiler	0.63 MMBtu/hr	Rite	63	8821284	33-1	1988	7000	N
Hot water boiler	1.2 MMBtu/hr	Rite	120	8821285	33-2	1988	7000	N
Hot water boiler	1.47 MMBtu/hr	Peerless	211-8-WP	211-1618-G	51-1	1976	7000	N
Hot water boiler	1.14 MMBtu/hr	Parker	T-1140	25882	52-1	1980	7000	N
Hot water boiler	1.14 MMBtu/hr	Parker	T-1140	25883	52-2	1980	7000	N

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Attachment "C" Continued

Unit	Maximum Rated capacity	Make	Model	Serial Number	Equipment Identification Number	Date of Manufacture or Modification	Hours of Operation per year	NSPS Applicability
Hot water boiler	2.6 MMBtu/hr	Ajax	WGB-3250-A	83-35622	53-1	1983	7000	N
Hot water boiler	2.6 MMBtu/hr	Ajax	WGB-3250-A	83-35621	53-2	1983	5000	N
Hot water boiler	1.35 MMBtu/hr	Lochinvar	CWN 1350	E 830238	53-3	1983	5000	N
Hot water boiler	1.35 MMBtu/hr	Lochinvar	CWN 1350	E 830239	53-4	1983	7000	N
Hot water boiler	6.8 MMBtu/hr	Parker	T-6800	38007	55-1	1990	7000	N
Hot water boiler	6.8 MMBtu/hr	Parker	T-6800	38008	55-2	1990	5000	N
Hot water boiler	1.73 MMBtu/hr	Bryan	G1300-WT-100-GI-LH	68305	55-3	1990	5000	N
Hot water boiler	2.4 MMBtu/hr	Raypack	EA 2406T	1083103861	63-1	1983	5000	N
Hot water boiler	0.63 MMBtu/hr	Bryan	F400N33	4688	63-2	1989	7000	N
Hot water boiler	6.5 MMBtu/hr	Rite	A-650	8821104	77-1	1988	7000	N
Hot water boiler	6.5 MMBtu/hr	Rite	A-650	8821105	77-2	1988	7000	N
Hot water boiler	3.0 MMBtu/hr	Bryan	RV-300-W-FDG	66470	79-1	1988	8760	N
Hot water boiler	4.0 MMBtu/hr	Rite	A-400	22829	82-1	1991	7000	N
Hot water boiler	4.0 MMBtu/hr	Rite	A-400	22830	82-2	1991	200	N
Hot water boiler	4.0 MMBtu/hr	Rite	A-400	22831	82-3	1991	7000	N

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Attachment "C" Continued

Unit	Maximum Rated capacity	Make	Model	Serial Number	Equipment Identification Number	Date of Manufacture or Modification	Hours of Operation per year	NSPS Applicability
Diesel generator	635 HP	Cummins	680FDC 5034 AH-W	CD96813-3/26-1	EG - 1	1974	200	N
Diesel generator	333 HP	Onan	250DBY-4XR8/2697-A	769135910	EG - 2	1969	200	N
Natural gas generator	201 HP	Generac	98A04130-S	2042964	EG - 3	1998	200	N
Diesel generator	191 HP	Caterpillar	SR4	6HA00704	EG - 4	1983	200	N
Natural gas generator	380 HP	Caterpillar	G3406TAH		EG - 5	1999	200	N
Diesel generator	186 HP	Onan	125.ODYD-15R 27613A	K850788181	EG - 6	1985	200	N
Diesel generator	150 HP	Kohler	100ROZJ81	259770	EG - 7	1989	200	N
Diesel generator	150 HP	Onan	100.ODYD-15R	K750988914	EG - 8	1975	200	N
Diesel generator	93 HP	Commins	4B93.9-G4	46195578	EG - 9	Unknown	200	N
Diesel generator	62 HP	Commins	4B93.9-G2	96195469	EG - 10	Unknown	200	N
Natural gas generator	113 HP	Onan			EG - 11	Unknown	200	N
Diesel generator	133 HP	Onan	100.ODYD-15R 7707	K750988914	EG - 12	Unknown	200	N

N/A = Not Applicable

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