

# Statement of Basis of the Federal Operating Permit

American Marazzi Tile, Inc.

Site/Area Name: Sunnyvale Facility  
Physical location: 359 Clay Road  
Nearest City: Sunnyvale  
County: Dallas

Permit Number: O1147  
Project Type: Minor Revision

Standard Industrial Classification (SIC) Code: 3253  
SIC Name: Ceramic Wall and Floor Tile

This Statement of Basis sets forth the legal and factual basis for the draft changes to the permit conditions resulting from the minor revision project in accordance with 30 TAC §122.201(a)(4). The applicant has submitted an application for a minor permit revision per §§ 122.215-217. This document may include the following information:

- A description of the facility/area process description;
- A description of the revision project;
- A basis for applying permit shields;
- A list of the federal regulatory applicability determinations;
- A table listing the determination of applicable requirements;
- A list of the New Source Review Requirements;
- The rationale for periodic monitoring methods selected;
- The rationale for compliance assurance methods selected;
- A compliance status; and
- A list of available unit attribute forms.

Prepared on: December 18, 2013

## **Operating Permit Basis of Determination**

### **Description of Revisions**

American Marazzi Tile, Inc. (AMT) is a clay ceramic tile manufacturing facility subject to 30 TAC Chapter 122 requiring a Federal Operation Permit.

AMT's federal operating permit was issued its second 5-yr renewal on April 17, 2013.

The requested revisions to the permit consist of:

Adding several new unit IDs related to glaze spray booths, along with associated requirements under 40 CFR Part 63. Subpart RRRRRR (Clay Ceramics Manufacturing Area Sources). These sources are existing to the site but new to the Title V permit. This regulation also affects several kilns at the site.

Additionally two kilns were renumbered from KS-4 and KS-5, to KS-3, and KS-2, respectively.

Lastly it was determined that CAM with respect to 30 TAC Chapter 111, Non-agricultural sources, was applicable to baghouse vents BP-3 and BP-5.

An additional revision item was added during Working Draft Permit review to remove and replace an SRIC, Unit ID, EG-2.

### **Permit Area Process Description**

#### **Nonmetallic Mineral Processing**

Nonmetallic mineral processing includes the receipt of raw materials (i.e. shale, clay, nepheline syenite [silica, alumina, and ferric oxide], feldspar, and talc) are transported via covered semi-trailers to the manufacturing facility. Shale and talc are the main ingredient in the tile body. These materials are moved by a front-end loader and loaded into a feed hopper. With the exception of the shale and clay, these materials are metered directly out onto a conveyor system that transports the material to storage silos. The shale and clay is processed through a crusher prior to being conveyed to a storage silo. From the storage silos, raw materials are transported by conveyors to surge hoppers that feed the individual continuous mills. These materials are then metered into a continuous ball-mill where water is added and the mixture is milled to the desired consistency and viscosity creating a mud-like slurry called "slip". Upon completion of the milling process, the slip is pumped into a concrete slip tank where it is stored before spray drying.

#### **Spray Drying**

The slurry is then pumped, at high pressure, into one of three spray dryers (atomizer) through a series of nozzles that cause the slip to be sprayed as a fine mist into an enclosed hot air stream. This dries the slip to a fine powder, with a low moisture content which is known by two synonymous terms: "body material" or "prill". The spray dryers are fueled by natural gas. The prill is transported via conveyor systems to the prill silos.

#### **Tile Body Storage and Conveying**

The tile body material/ prill is stored in silos until needed in production. When needed, the prill is fed from the bottom of the storage silos onto a series of conveyor systems that transports the prill to the presses. A diverter is used to channel the prill to the appropriate press surge hopper.

### **Tile Pressing**

Tiles are formed to their final shape at this stage of the operation. The prill is gravity fed from the press surge hoppers into the press dies is then pressed into individual tiles of various sizes by means of an automatic hydraulic press.

### **Tile Drying**

The individual pressed tiles are transported by roller conveyor to horizontal, five-channel, roller dryers to further reduce the moisture content. These dried tiles are referred to as “green tile”, and this drying process provides the green tiles with sufficient strength to undergo glazing and transfer to the kilns. The press dryers are fueled by natural gas.

### **Glaze Preparation and Glazing**

The colors and designs that are seen on floor tile are created by the application of “glazes”. Glaze is applied to the surface of the tile just prior to a heating process, which permanently adhere the glaze to the tile body. Glazes and glaze pastes, which are two distinct types of glazing material, are prepared in this step. Frits, small amounts of clays, stains, and other material are batched and milled until the desired consistency and color is achieved. Glaze pastes involve taking set amounts of material and mixing them together until the desired paste-like consistency and color are achieved.

Glazes may be applied to green tile by means of an air spray, bell (waterfall), or rotating disc in a totally enclosed environment. Glaze pastes are applied by means of either a static or rotating silkscreen technique. Normally, several thin, uniform, coats are applied to each tile to provide the final decorative surface.

### **Firing**

This step involves the heating of the tiles to vitrify (make glass-like) and fuse (bond) the glaze material permanently to the tile body surface. Green tiles are fed into a fast-fire, roller kiln, and fired according to a pre-determined temperature curve that exposed the tiles to a maximum temperature of approximately 2,000° F and then cooled rapidly by an indirect cooling system. The kilns are fueled by natural gas.

### **Selection and Packaging**

After the firing and cooling processes, tile is inspected and graded for conformity to established product quality standards. After grading, the tile is boxed and palletized. Pallets of tile are then stored prior to sale and shipment to customers. No air emissions are associated with this operation.

### **FOPs at Site**

The “application area” consists of the emission units and that portion of the site included in the application and this permit. Multiple FOPs may be issued to a site in accordance with 30 TAC § 122.201(e). When there is only one area for the site, then the application information and permit will include all units at the site. Additional FOPs that exist at the site, if any, are listed below.

Additional FOPs: None

### **Major Source Pollutants**

The table below specifies the pollutants for which the site is a major source:

Major Pollutants	VOC, SO <sub>2</sub> , PM, NO <sub>x</sub> , CO
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## Reading State of Texas's Federal Operating Permit

The Title V Federal Operating Permit (FOP) lists all state and federal air emission regulations and New Source Review (NSR) authorizations (collectively known as “applicable requirements”) that apply at a particular site or permit area (in the event a site has multiple FOPs). **The FOP does not authorize new emissions or new construction activities.** The FOP begins with an introductory page which is common to all Title V permits. This page gives the details of the company, states the authority of the issuing agency, requires the company to operate in accordance with this permit and 30 Texas Administrative Code (TAC) Chapter 122, requires adherence with NSR requirements of 30 TAC Chapter 116, and finally indicates the permit number and the issuance date.

This is followed by the table of contents, which is generally composed of the following elements. Not all permits will have all of the elements.

- General Terms and Conditions
- Special Terms and Conditions
  - Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting
  - Additional Monitoring Requirements
  - New Source Review Authorization Requirements
  - Compliance Requirements
  - Protection of Stratosphere Ozone
  - Permit Location
  - Permit Shield (30 TAC § 122.148)
- Attachments
  - Applicable Requirements Summary
    - Unit Summary
    - Applicable Requirements Summary
  - Additional Monitoring Requirements
  - Permit Shield
  - New Source Review Authorization References
  - Compliance Plan
  - Alternative Requirements
- Appendix A
  - Acronym list

### General Terms and Conditions

The General Terms and Conditions are the same and appear in all permits. The first paragraph lists the specific citations for 30 TAC Chapter 122 requirements that apply to all Title V permit holders. The second paragraph describes the requirements for record retention. The third paragraph provides details for voiding the permit, if applicable. The fourth paragraph states that the permit holder shall comply with the requirements of 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit. The fifth paragraph provides details on submission of reports required by the permit.

### Special Terms and Conditions

Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting. The TCEQ has designated certain applicable requirements as site-wide requirements. A site-wide requirement is a requirement that applies uniformly to all the units or activities at the site. Units with only site-wide requirements are addressed on Form OP-REQ1 and are not required to be listed separately on a OP-UA Form

or Form OP-SUM. Form OP-SUM must list all units addressed in the application and provide identifying information, applicable OP-UA Forms, and preconstruction authorizations. The various OP-UA Forms provide the characteristics of each unit from which applicable requirements are established. Some exceptions exist as a few units may have both site-wide requirements and unit specific requirements.

Other conditions. The other entries under special terms and conditions are in general terms referring to compliance with the more detailed data listed in the attachments.

#### Attachments

Applicable Requirements Summary. The first attachment, the Applicable Requirements Summary, has two tables, addressing unit specific requirements. The first table, the Unit Summary, includes a list of units with applicable requirements, the unit type, the applicable regulation, and the requirement driver. The intent of the requirement driver is to inform the reader that a given unit may have several different operating scenarios and the differences between those operating scenarios.

The applicable requirements summary table provides the detailed citations of the rules that apply to the various units. For each unit and operating scenario, there is an added modifier called the “index number,” detailed citations specifying monitoring and testing requirements, recordkeeping requirements, and reporting requirements. The data for this table are based on data supplied by the applicant on the OP-SUM and various OP-UA forms.

Additional Monitoring Requirement. The next attachment includes additional monitoring the applicant must perform to ensure compliance with the applicable standard. Compliance assurance monitoring (CAM) is often required to provide a reasonable assurance of compliance with applicable emission limitations/standards for large emission units that use control devices to achieve compliance with applicant requirements. When necessary, periodic monitoring (PM) requirements are specified for certain parameters (i.e. feed rates, flow rates, temperature, fuel type and consumption, etc.) to determine if a term and condition or emission unit is operating within specified limits to control emissions. These additional monitoring approaches may be required for two reasons. First, the applicable rules do not adequately specify monitoring requirements (exception- Maximum Achievable Control Technology Standards (MACTs) generally have sufficient monitoring), and second, monitoring may be required to fill gaps in the monitoring requirements of certain applicable requirements. In situations where the NSR permit is the applicable requirement requiring extra monitoring for a specific emission unit, the preferred solution is to have the monitoring requirements in the NSR permit updated so that all NSR requirements are consolidated in the NSR permit.

Permit Shield. A permit may or may not have a permit shield, depending on whether an applicant has applied for, and justified the granting of, a permit shield. A permit shield is a special condition included in the permit document stating that compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirement(s) or specified applicable state-only requirement(s).

New Source Review Authorization References. All activities which are related to emissions in the state of Texas must have a NSR authorization prior to beginning construction. This section lists all units in the permit and the NSR authorization that allowed the unit to be constructed or modified. Units that do not have unit specific applicable requirements other than the NSR authorization do not need to be listed in this attachment. While NSR permits are not physically a part of the Title V permit, they are legally incorporated into the Title V permit by reference. Those NSR permits whose emissions exceed certain PSD/NA thresholds must also undergo a Federal review of federally regulated pollutants in addition to review for state regulated pollutants.

Compliance Plan. A permit may have a compliance schedule attachment for listing corrective actions plans for any emission unit that is out of compliance with an applicable requirement.

Alternative Requirements. This attachment will list any alternative monitoring plans or alternative means of compliance for applicable requirements that have been approved by the EPA Administrator and/or the TCEQ Executive Director.

## Appendix A

Acronym list. This attachment lists the common acronyms used when discussing the FOPs.

### **Stationary vents subject to 30 TAC Chapter 111, Subchapter A, § 111.111(a)(1)(B) addressed in the Special Terms and Conditions**

The site contains stationary vents with a flowrate less than 100,000 actual cubic feet per minute (acfm) and constructed after January 31, 1972 which are limited, over a six-minute average, to 20% opacity as required by 30 TAC § 111.111(a)(1)(B). As a site may have a large number of stationary vents that fall into this category, they are not required to be listed individually in the permit's Applicable Requirement Summary. This is consistent with EPA's White Paper for Streamlined Development of Part 70 Permit Applications, July 10, 1995, that states that requirements that apply identically to emission units at a site can be treated on a generic basis such as source-wide opacity limits.

Periodic monitoring is specified in Special Term and Condition 3.A for stationary vents subject to 30 TAC § 111.111(a)(1)(B) to verify compliance with the 20% opacity limit. These vents are not expected to produce visible emissions during normal operation. The TCEQ evaluated the probability of these sources violating the opacity standards and determined that there is a very low potential that an opacity standard would be exceeded. It was determined that continuous monitoring for these sources is not warranted as there would be very limited environmental benefit in continuously monitoring sources that have a low potential to produce visible emissions. Therefore, the TCEQ set the visible observation monitoring frequency for these sources to once per calendar quarter.

The TCEQ has exempted vents that are not capable of producing visible emissions from periodic monitoring requirements. These vents include sources of colorless VOCs, non-fuming liquids, and other materials that cannot produce emissions that obstruct the transmission of light. Passive ventilation vents, such as plumbing vents, are also included in this category. Since this category of vents are not capable of producing opacity due to the physical or chemical characteristics of the emission source, periodic monitoring is not required as it would not yield any additional data to assure compliance with the 20% opacity standard of 30 TAC § 111.111(a)(1)(B).

In the event that visible emissions are detected, either through the quarterly observation or other credible evidence, such as observations from company personnel, the permit holder shall either report a deviation or perform a Test Method 9 observation to determine the opacity consistent with the 6-minute averaging time specified in 30 TAC § 111.111(a)(1)(B). An additional provision is included to monitor combustion sources more frequently than quarterly if alternate fuels are burned for periods greater than 24 consecutive hours. This will address possible emissions that may arise when switching fuel types.

### **Stationary Vents subject to 30 TAC Chapter 111 not addressed in the Special Terms and Conditions**

All other stationary vents subject to 30 TAC Chapter 111 not covered in the Special Terms and Conditions are listed in the permit's Applicable Requirement Summary. The basis of the applicability determinations for these vents are listed in the Determination of Applicable Requirements table.

## Federal Regulatory Applicability Determinations

The following chart summarizes the applicability of the principal air pollution regulatory programs to the permit area:

<b>Regulatory Program</b>	<b>Applicability (Yes/No)</b>
Prevention of Significant Deterioration (PSD)	No
Nonattainment New Source Review (NNSR)	No
Minor NSR	Yes
40 CFR Part 60 - New Source Performance Standards	Yes
40 CFR Part 61 - National Emission Standards for Hazardous Air Pollutants (NESHAPs)	No
40 CFR Part 63 - NESHAPs for Source Categories	Yes
Title IV (Acid Rain) of the Clean Air Act (CAA)	No
Title V (Federal Operating Permits) of the CAA	Yes
Title VI (Stratospheric Ozone Protection) of the CAA	No
CAIR (Clean Air Interstate Rule)	No

### Basis for Applying Permit Shields

An operating permit applicant has the opportunity to specifically request a permit shield to document that specific applicable requirements do not apply to emission units in the permit. A permit shield is a special condition stating that compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements. A permit shield has been requested in the application for specific emission units. For the permit shield requests that have been approved, the basis of determination for regulations that the owner/operator need not comply with are located in the "Permit Shield" attachment of the permit.

### Insignificant Activities

In general, units not meeting the criteria for inclusion on either Form OP-SUM or Form OP-REQ1 are not required to be addressed in the operating permit application. Examples of these types of units include, but are not limited to, the following:

1. Office activities such as photocopying, blueprint copying, and photographic processes.
2. Sanitary sewage collection and treatment facilities other than those used to incinerate wastewater treatment plant sludge. Stacks or vents for sanitary sewer plumbing traps are also included.
3. Food preparation facilities including, but not limited to, restaurants and cafeterias used for preparing food or beverages primarily for consumption on the premises.
4. Outdoor barbecue pits, campfires, and fireplaces.
5. Laundry dryers, extractors, and tumblers processing bedding, clothing, or other fabric items generated primarily at the premises. This does not include emissions from dry cleaning systems using perchloroethylene or petroleum solvents.

6. Facilities storing only dry, sweet natural gas, including natural gas pressure regulator vents.
7. Any air separation or other industrial gas production, storage, or packaging facility. Industrial gases, for purposes of this list, include only oxygen, nitrogen, helium, neon, argon, krypton, and xenon.
8. Storage and handling of sealed portable containers, cylinders, or sealed drums.
9. Vehicle exhaust from maintenance or repair shops.
10. Storage and use of non-VOC products or equipment for maintaining motor vehicles operated at the site (including but not limited to, antifreeze and fuel additives).
11. Air contaminant detectors and recorders, combustion controllers and shut-off devices, product analyzers, laboratory analyzers, continuous emissions monitors, other analyzers and monitors, and emissions associated with sampling activities. Exception to this category includes sampling activities that are deemed fugitive emissions and under a regulatory leak detection and repair program.
12. Bench scale laboratory equipment and laboratory equipment used exclusively for chemical and physical analysis, including but not limited to, assorted vacuum producing devices and laboratory fume hoods.
13. Steam vents, steam leaks, and steam safety relief valves, provided the steam (or boiler feedwater) has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
14. Storage of water that has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
15. Well cellars.
16. Fire or emergency response equipment and training, including but not limited to, use of fire control equipment including equipment testing and training, and open burning of materials or fuels associated with firefighting training.
17. Crucible or pot furnaces with a brim full capacity of less than 450 cubic inches of any molten metal.
18. Equipment used exclusively for the melting or application of wax.
19. All closed tumblers used for the cleaning or deburring of metal products without abrasive blasting, and all open tumblers with a batch capacity of 1,000 lbs. or less.
20. Shell core and shell mold manufacturing machines.
21. Sand or investment molds with a capacity of 100 lbs. or less used for the casting of metals;
22. Equipment used for inspection of metal products.
23. Equipment used exclusively for rolling, forging, pressing, drawing, spinning, or extruding either hot or cold metals by some mechanical means.
24. Instrument systems utilizing air, natural gas, nitrogen, oxygen, carbon dioxide, helium, neon, argon, krypton, and xenon.
25. Battery recharging areas.
26. Brazing, soldering, or welding equipment.

## **Determination of Applicable Requirements**

The tables below include the applicability determinations for the emission units, the index number(s) where applicable, and all relevant unit attribute information used to form the basis of the applicability determination. The unit attribute information is a description of the physical properties of an emission unit which is used to determine the requirements to which the permit holder must comply. For more information about the descriptions of the unit attributes specific Unit Attribute Forms may be viewed at [www.tceq.texas.gov/permitting/air/nav/air\\_all\\_ua\\_forms.html](http://www.tceq.texas.gov/permitting/air/nav/air_all_ua_forms.html).

A list of unit attribute forms is included at the end of this document. Some examples of unit attributes include construction date; product stored in a tank; boiler fuel type; etc.. Generally, multiple attributes are needed to determine the requirements for a given emission unit and index number. The table below lists these attributes in the column entitled "Basis of Determination." Attributes that demonstrate that an applicable requirement applies will be the factual basis for the specific citations in an applicable requirement that apply to a unit for that index number. The TCEQ Air Permits Division has developed flowcharts for determining applicability of state and federal regulations based on the unit attribute information in a Decision Support System (DSS).

These flowcharts can be accessed via the internet at [www.tceq.texas.gov/permitting/air/nav/air\\_supportsys.html](http://www.tceq.texas.gov/permitting/air/nav/air_supportsys.html). The Air Permits Division staff may also be contacted for assistance at (512) 239-1250.

The attributes for each unit and corresponding index number provide the basis for determining the specific legal citations in an applicable requirement that apply, including emission limitations or standards, monitoring, recordkeeping, and reporting. The rules were found to apply or not apply by using the unit attributes as answers to decision questions found in the flowcharts of the DSS. Some additional attributes indicate which legal citations of a rule apply. The legal citations that apply to each emission unit may be found in the Applicable Requirements Summary table of the draft permit. There may be some entries or rows of units and rules not found in the permit, or if the permit contains a permit shield, repeated in the permit shield area. These are sets of attributes that describe negative applicability, or, in other words, the reason why a potentially applicable requirement does not apply.

If applicability determinations have been made which differ from the available flowcharts, an explanation of the decisions involved in the applicability determination is specified in the column “Changes and Exceptions to RRT.” If there were no exceptions to the DSS, then this column has been removed.

The draft permit includes all emission limitations or standards, monitoring, recordkeeping and reporting required by each applicable requirement. If an applicable requirement does not require monitoring, recordkeeping, or reporting, the word “None” will appear in the Applicable Requirements Summary table. If additional periodic monitoring is required for an applicable requirement, it will be explained in detail in the portion of this document entitled “Rationale for Compliance Assurance Monitoring (CAM)/ Periodic Monitoring Methods Selected.”

When attributes demonstrate that a unit is not subject to an applicable requirement, the applicant may request a permit shield for those items. The portion of this document entitled “Basis for Applying Permit Shields” specifies which units, if any, have a permit shield.

#### Operational Flexibility

When an emission unit has multiple operating scenarios, it will have a different index number associated with each operating condition. This means that units are permitted to operate under multiple operating conditions. The applicable requirements for each operating condition are determined by a unique set of unit attributes. For example, a tank may store two different products at different points in time. The tank may, therefore, need to comply with two distinct sets of requirements, depending on the product that is stored. Both sets of requirements are included in the permit, so that the permit holder may store either product in the tank.

### Determination of Applicable Requirements

Unit ID	Regulation	Index Number	Basis of Determination *	Changes and Exceptions to DSS**
GRPGLAZ1-1	40 CFR Part 63, Subpart RRRRRR	63RRRRRR-1	UNIT TYPE = EMISSION UNIT DATE CONSTRUCTED/PLACED IN SERVICE = ON/AFTER COMPLIANCE DATE - 117.540 FUNCTIONALLY IDENTICAL REPLACEMENT [REG VII] = UNIT IS NOT FUNCTIONALLY IDENTICAL REPLACEMENT (DATE CONSTRUCTED/PLACED IN SERVICE = '92+') MAXIMUM RATED CAPACITY [REG VII] = MAXIMUM RATED CAPACITY LESS THAN OR EQUAL TO 5 MMBTU/HR	No DSS for this rule. Manual requirements determination.
GRPGLAZ1-2	40 CFR Part 63, Subpart RRRRRR	63RRRRRR-1	UNIT TYPE = EMISSION UNIT DATE CONSTRUCTED/PLACED IN SERVICE = ON/AFTER COMPLIANCE DATE - 117.540 FUNCTIONALLY IDENTICAL REPLACEMENT [REG VII] = UNIT IS NOT FUNCTIONALLY IDENTICAL REPLACEMENT (DATE CONSTRUCTED/PLACED IN SERVICE = '92+') MAXIMUM RATED CAPACITY [REG VII] = MAXIMUM RATED CAPACITY LESS THAN OR EQUAL TO 5 MMBTU/HR	No DSS for this rule. Manual requirements determination.
GRPGLAZ2	40 CFR Part 63, Subpart RRRRRR	63RRRRRR-1	UNIT TYPE = EMISSION UNIT DATE CONSTRUCTED/PLACED IN SERVICE = ON/AFTER COMPLIANCE DATE - 117.540 FUNCTIONALLY IDENTICAL REPLACEMENT [REG VII] = UNIT IS NOT FUNCTIONALLY IDENTICAL REPLACEMENT (DATE CONSTRUCTED/PLACED IN SERVICE = '92+') MAXIMUM RATED CAPACITY [REG VII] = MAXIMUM RATED CAPACITY LESS THAN OR EQUAL TO 5 MMBTU/HR	No DSS for this rule. Manual requirements determination.
GRPKILN	40 CFR Part 63, Subpart RRRRRR	63RRRRRR-1	UNIT TYPE = EMISSION UNIT DATE CONSTRUCTED/PLACED IN SERVICE = ON/AFTER COMPLIANCE DATE - 117.540 FUNCTIONALLY IDENTICAL REPLACEMENT [REG VII] = UNIT IS NOT FUNCTIONALLY IDENTICAL REPLACEMENT (DATE CONSTRUCTED/PLACED IN SERVICE = '92+') MAXIMUM RATED CAPACITY [REG VII] = MAXIMUM RATED CAPACITY LESS THAN OR EQUAL TO 5 MMBTU/HR	No DSS for this rule. Manual requirements determination.
GRPKILNW	40 CFR Part 63, Subpart RRRRRR	63RRRRRR-1	UNIT TYPE = EMISSION UNIT DATE CONSTRUCTED/PLACED IN SERVICE = ON/AFTER COMPLIANCE DATE - 117.540 FUNCTIONALLY IDENTICAL REPLACEMENT [REG VII] = UNIT IS NOT FUNCTIONALLY IDENTICAL REPLACEMENT (DATE CONSTRUCTED/PLACED IN SERVICE = '92+') MAXIMUM RATED CAPACITY [REG VII] = MAXIMUM RATED CAPACITY LESS THAN OR EQUAL TO 5 MMBTU/HR	No DSS for this rule. Manual requirements determination.
KS-2	40 CFR Part 63, Subpart RRRRRR	63RRRRRR-1	UNIT TYPE = EMISSION UNIT DATE CONSTRUCTED/PLACED IN SERVICE = ON/AFTER COMPLIANCE DATE - 117.540 FUNCTIONALLY IDENTICAL REPLACEMENT [REG VII] = UNIT IS NOT FUNCTIONALLY IDENTICAL REPLACEMENT (DATE CONSTRUCTED/PLACED IN SERVICE = '92+') MAXIMUM RATED CAPACITY [REG VII] = MAXIMUM RATED CAPACITY LESS THAN OR EQUAL TO 5 MMBTU/HR	No DSS for this rule. Manual requirements determination.

<b>Unit ID</b>	<b>Regulation</b>	<b>Index Number</b>	<b>Basis of Determination*</b>	<b>Changes and Exceptions to DSS**</b>
EG-1	30 TAC Chapter 117, Subchapter B	R7400-1	Horsepower Rating = Horsepower rating is 50 hp or greater Type of Service = Used exclusively in emergency situations [claiming the emergency service exemption under 30 TAC §§ 117.103(a)(6)(D), 117.203(a)(6)(D), 117.303(a)(6)(D) or 117.403(a)(7)(D)] Fuel Fired = Natural gas	
EG-1	40 CFR Part 60, Subpart JJJJ	60JJJJ-1	Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced construction, reconstruction or modification prior to June 12, 2006.	
EG-1	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-1	Brake HP = Stationary RICE with a brake hp greater than or equal to 300 hp and less than or equal to 500 hp. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. Service Type = Emergency use. Stationary RICE Type = 4 stroke spark ignited rich burn engine	
EG-1W	30 TAC Chapter 117, Subchapter B	R7400-1	Horsepower Rating = Horsepower rating is 50 hp or greater Type of Service = Used exclusively in emergency situations [claiming the emergency service exemption under 30 TAC §§ 117.103(a)(6)(D), 117.203(a)(6)(D), 117.303(a)(6)(D) or 117.403(a)(7)(D)] Fuel Fired = Natural gas Engine Type = Lean-burn Diesel HP Rating = Horsepower rating is 100 hp or greater, but less than 750 hp.	
EG-1W	40 CFR Part 60, Subpart JJJJ	60JJJJ-1	Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced construction, reconstruction or modification after June 12, 2006. Manufactured Date = Date of manufacture is prior to January 1, 2009. Test Cell = The SI ICE is not being tested at an engine test cell/stand. National Security = The SI ICE is not eligible for exemption due to national security. Temp Replacement = The SI ICE is not acting as a temporary replacement. Horsepower = Maximum engine power greater than or equal to 130 HP and less than 500 HP. Fuel = SI ICE that uses natural gas. Commencing = SI ICE that is commencing new construction.	
EG-1W	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-1	Brake HP = Stationary RICE with a brake hp greater than or equal to 250 hp and less than 300 hp. Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006. Service Type = Emergency use. Installation Date = The emergency use stationary RICE was installed on or after June 12, 2006. Stationary RICE Type = 4 stroke spark ignited rich burn engine	
EG-2	30 TAC Chapter 117, Subchapter B	R7400-1	Horsepower Rating = Horsepower rating is 50 hp or greater Type of Service = Used exclusively in emergency situations [claiming the emergency service exemption under 30 TAC §§ 117.103(a)(6)(D), 117.203(a)(6)(D), 117.303(a)(6)(D) or 117.403(a)(7)(D)] Fuel Fired = Natural gas	
EG-2	40 CFR Part 60, Subpart JJJJ	60JJJJ-1	Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced construction, reconstruction or modification after June 12, 2006. Manufactured Date = Date of manufacture is on or after January 1, 2011.	Removed §60.4245(a)(1)-recordkeeping. Removed [G] §60.4245(e)-

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Test Cell = The SI ICE is not being tested at an engine test cell/stand.</p> <p>Certified = Purchased a certified SI ICE.</p> <p>National Security = The SI ICE is not eligible for exemption due to national security.</p> <p>Operation = Operating and maintaining the certified SI ICE and control device according to manufacturer's written instructions.</p> <p>Temp Replacement = The SI ICE is not acting as a temporary replacement.</p> <p>Horsepower = Maximum engine power greater than or equal to 130 HP and less than 500 HP.</p> <p>Fuel = SI ICE that uses natural gas.</p> <p>Service = SI ICE is an emergency engine.</p> <p>Commencing = SI ICE that is commencing new construction.</p>	<p>reporting.</p> <p>Added §60.6245(a)-recordkeeping.</p>
EG-2	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-1	<p>Brake HP = Stationary RICE with a brake hp greater than or equal to 100 and less than 250 hp.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p>	
EG-2W	30 TAC Chapter 117, Subchapter B	R7400-1	<p>Horsepower Rating = Horsepower rating is 50 hp or greater</p> <p>Type of Service = Used exclusively in emergency situations [claiming the emergency service exemption under 30 TAC §§ 117.103(a)(6)(D), 117.203(a)(6)(D), 117.303(a)(6)(D) or 117.403(a)(7)(D)]</p> <p>Fuel Fired = Natural gas</p> <p>Engine Type = Lean-burn</p> <p>Diesel HP Rating = Horsepower rating is 100 hp or greater, but less than 750 hp.</p>	
EG-2W	40 CFR Part 60, Subpart JJJJ	60JJJJ-1	<p>Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced construction, reconstruction or modification after June 12, 2006.</p> <p>Manufactured Date = Date of manufacture is prior to January 1, 2009.</p> <p>Test Cell = The SI ICE is not being tested at an engine test cell/stand.</p> <p>National Security = The SI ICE is not eligible for exemption due to national security.</p> <p>Temp Replacement = The SI ICE is not acting as a temporary replacement.</p> <p>Horsepower = Maximum engine power greater than or equal to 130 HP and less than 500 HP.</p> <p>Fuel = SI ICE that uses natural gas.</p> <p>Commencing = SI ICE that is commencing new construction.</p>	
EG-2W	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-1	<p>Brake HP = Stationary RICE with a brake hp greater than or equal to 300 hp and less than or equal to 500 hp.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Service Type = Emergency use.</p> <p>Installation Date = The emergency use stationary RICE was installed on or after June 12, 2006.</p> <p>Stationary RICE Type = 4 stroke spark ignited rich burn engine</p>	
EG-3	30 TAC Chapter 117, Subchapter B	R7400-1	<p>Horsepower Rating = Horsepower rating is 50 hp or greater</p> <p>Type of Service = Used exclusively in emergency situations [claiming the emergency service exemption under 30 TAC §§ 117.103(a)(6)(D), 117.203(a)(6)(D), 117.303(a)(6)(D) or 117.403(a)(7)(D)]</p> <p>Fuel Fired = Natural gas</p>	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
EG-3	40 CFR Part 60, Subpart JJJJ	60JJJJ-1	<p>Construction/Reconstruction/Modification Date = The stationary spark ignition (SI) internal combustion engine (ICE) commenced construction, reconstruction or modification after June 12, 2006.</p> <p>Manufactured Date = Date of manufacture is on or after January 1, 2011.</p> <p>Test Cell = The SI ICE is not being tested at an engine test cell/stand.</p> <p>Certified = Purchased a certified SI ICE.</p> <p>National Security = The SI ICE is not eligible for exemption due to national security.</p> <p>Operation = Operating and maintaining the certified SI ICE and control device according to manufacturer's written instructions.</p> <p>Temp Replacement = The SI ICE is not acting as a temporary replacement.</p> <p>Horsepower = Maximum engine power greater than or equal to 130 HP and less than 500 HP.</p> <p>Fuel = SI ICE that uses natural gas.</p> <p>Service = SI ICE is an emergency engine.</p> <p>Commencing = SI ICE that is commencing new construction.</p>	<p>Removed §60.4245(a)(1)-recordkeeping.</p> <p>Removed [G] §60.4245(e)-reporting.</p> <p>Added §60.6245(a)-recordkeeping</p>
EG-3	40 CFR Part 63, Subpart ZZZZ	63ZZZZ-1	<p>Brake HP = Stationary RICE with a brake hp greater than or equal to 100 and less than 250 hp.</p> <p>Construction/Reconstruction Date = Commenced construction or reconstruction on or after June 12, 2006.</p> <p>Service Type = Emergency use.</p>	
BC-1	40 CFR Part 60, Subpart OOO	60OOO-1	<p>Plant Type = Nonmetallic mineral processing plant other than a sand and gravel, crushed stone, common clay, pumice plant, hot-mix asphalt facility or plant without crushers or grinding mills containing stand-alone screening operations.</p> <p>Portable or Fixed Plant = Fixed.</p> <p>Plant Capacity = Capacity is greater than 25 tons/hr.</p> <p>Vent = The building contains a vent as defined in 40 CFR § 60.671.</p> <p>Capture System = The affected facility is using a capture system for emissions control.</p> <p>Underground Mines = The facility is not located in an underground mine.</p> <p>Control Device Type = Control device other than a baghouse controlling emissions from only an individual enclosed storage bin or wet scrubber, or no emissions control.</p> <p>Subpart Applicability = The facility is not subject to 40 CFR Part 60, Subparts F or I, nor does the facility follow, in the plant process, another facility subject to Subparts F or I.</p> <p>Facility Type = Building enclosing one or more affected facilities and complying with the requirements of 40 CFR § 60.672(e).</p> <p>Construction/Modification Date = After August 31, 1983.</p> <p>Replacement Type = Affected facility is of equal or smaller size, has the same function as the facility it replaced, and is not part of a production line with all affected facilities within the line replaced after August 31, 1983.</p>	DSS inadequate, custom determination
GRPBLD1A	40 CFR Part 60, Subpart OOO	60OOO-1	<p>Plant Type = Nonmetallic mineral processing plant other than a sand and gravel, crushed stone, common clay, pumice plant, hot-mix asphalt facility or plant without crushers or grinding mills containing stand-alone screening operations.</p> <p>Portable or Fixed Plant = Fixed.</p> <p>Plant Capacity = Capacity is greater than 25 tons/hr.</p> <p>Vent = The building does not contain a vent as defined in 40 CFR § 60.671.</p>	DSS inadequate, custom determination

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			<p>Capture System = The affected facility is using a capture system for emissions control.</p> <p>Underground Mines = The facility is not located in an underground mine.</p> <p>Control Device Type = Control device other than a baghouse controlling emissions from only an individual enclosed storage bin or wet scrubber, or no emissions control.</p> <p>Subpart Applicability = The facility is not subject to 40 CFR Part 60, Subparts F or I, nor does the facility follow, in the plant process, another facility subject to Subparts F or I.</p> <p>Facility Type = Building enclosing one or more affected facilities and complying with the requirements of 40 CFR § 60.672(e).</p> <p>Construction/Modification Date = After August 31, 1983.</p> <p>Replacement Type = Is not replacing an existing facility.</p>	
GRPBLD1D	40 CFR Part 60, Subpart OOO	60000-1	<p>Plant Type = Nonmetallic mineral processing plant other than a sand and gravel, crushed stone, common clay, pumice plant, hot-mix asphalt facility or plant without crushers or grinding mills containing stand-alone screening operations.</p> <p>Portable or Fixed Plant = Fixed.</p> <p>Plant Capacity = Capacity is greater than 25 tons/hr.</p> <p>Vent = The building does not contain a vent as defined in 40 CFR § 60.671.</p> <p>Capture System = The affected facility is using a capture system for emissions control.</p> <p>Underground Mines = The facility is not located in an underground mine.</p> <p>Control Device Type = Control device other than a baghouse controlling emissions from only an individual enclosed storage bin or wet scrubber, or no emissions control.</p> <p>Subpart Applicability = The facility is not subject to 40 CFR Part 60, Subparts F or I, nor does the facility follow, in the plant process, another facility subject to Subparts F or I.</p> <p>Facility Type = Building enclosing one or more affected facilities and complying with the requirements of 40 CFR § 60.672(e).</p> <p>Construction/Modification Date = After August 31, 1983.</p> <p>Replacement Type = Is not replacing an existing facility.</p>	DSS inadequate, custom determination

Unit ID	Regulation	Index Number	Basis of Determination *	Changes and Exceptions to DSS**
GRPBLD2	40 CFR Part 60, Subpart OOO	60000-1	<p>Plant Type = Nonmetallic mineral processing plant other than a sand and gravel, crushed stone, common clay, pumice plant, hot-mix asphalt facility or plant without crushers or grinding mills containing stand-alone screening operations.</p> <p>Portable or Fixed Plant = Fixed.</p> <p>Plant Capacity = Capacity is greater than 25 tons/hr.</p> <p>Vent = The building does not contain a vent as defined in 40 CFR § 60.671.</p> <p>Capture System = The affected facility is using a capture system for emissions control.</p> <p>Underground Mines = The facility is not located in an underground mine.</p> <p>Control Device Type = Control device other than a baghouse controlling emissions from only an individual enclosed storage bin or wet scrubber, or no emissions control.</p> <p>Subpart Applicability = The facility is not subject to 40 CFR Part 60, Subparts F or I, nor does the facility follow, in the plant process, another facility subject to Subparts F or I.</p> <p>Facility Type = Building enclosing one or more affected facilities and complying with the requirements of 40 CFR § 60.672(e).</p> <p>Construction/Modification Date = After August 31, 1983.</p> <p>Replacement Type = Is not replacing an existing facility.</p>	DSS inadequate, custom determination
GRPBLD3-1	40 CFR Part 60, Subpart OOO	60000-1	<p>Plant Type = Nonmetallic mineral processing plant other than a sand and gravel, crushed stone, common clay, pumice plant, hot-mix asphalt facility or plant without crushers or grinding mills containing stand-alone screening operations.</p> <p>Portable or Fixed Plant = Fixed.</p> <p>Plant Capacity = Capacity is greater than 25 tons/hr.</p> <p>Vent = The building does not contain a vent as defined in 40 CFR § 60.671.</p> <p>Capture System = The affected facility is using a capture system for emissions control.</p> <p>Underground Mines = The facility is not located in an underground mine.</p> <p>Control Device Type = Control device other than a baghouse controlling emissions from only an individual enclosed storage bin or wet scrubber, or no emissions control.</p> <p>Subpart Applicability = The facility is not subject to 40 CFR Part 60, Subparts F or I, nor does the facility follow, in the plant process, another facility subject to Subparts F or I.</p> <p>Facility Type = Building enclosing one or more affected facilities and complying with the requirements of 40 CFR § 60.672(e).</p> <p>Construction/Modification Date = After August 31, 1983.</p> <p>Replacement Type = Is not replacing an existing facility.</p>	DSS inadequate, custom determination

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
GRPBLD3B	40 CFR Part 60, Subpart OOO	60000-1	<p>Plant Type = Nonmetallic mineral processing plant other than a sand and gravel, crushed stone, common clay, pumice plant, hot-mix asphalt facility or plant without crushers or grinding mills containing stand-alone screening operations.</p> <p>Portable or Fixed Plant = Fixed.</p> <p>Plant Capacity = Capacity is greater than 25 tons/hr.</p> <p>Vent = The building does not contain a vent as defined in 40 CFR § 60.671.</p> <p>Capture System = The affected facility is using a capture system for emissions control.</p> <p>Underground Mines = The facility is not located in an underground mine.</p> <p>Control Device Type = Control device other than a baghouse controlling emissions from only an individual enclosed storage bin or wet scrubber, or no emissions control.</p> <p>Subpart Applicability = The facility is not subject to 40 CFR Part 60, Subparts F or I, nor does the facility follow, in the plant process, another facility subject to Subparts F or I.</p> <p>Facility Type = Building enclosing one or more affected facilities and complying with the requirements of 40 CFR § 60.672(e).</p> <p>Construction/Modification Date = After August 31, 1983.</p> <p>Replacement Type = Is not replacing an existing facility.</p>	DSS inadequate, custom determination
GRPBLD3B8	40 CFR Part 60, Subpart OOO	60000-1	<p>Plant Type = Nonmetallic mineral processing plant other than a sand and gravel, crushed stone, common clay, pumice plant, hot-mix asphalt facility or plant without crushers or grinding mills containing stand-alone screening operations.</p> <p>Portable or Fixed Plant = Fixed.</p> <p>Plant Capacity = Capacity is greater than 25 tons/hr.</p> <p>Vent = The building does not contain a vent as defined in 40 CFR § 60.671.</p> <p>Capture System = The affected facility is using a capture system for emissions control.</p> <p>Underground Mines = The facility is not located in an underground mine.</p> <p>Control Device Type = Control device other than a baghouse controlling emissions from only an individual enclosed storage bin or wet scrubber, or no emissions control.</p> <p>Subpart Applicability = The facility is not subject to 40 CFR Part 60, Subparts F or I, nor does the facility follow, in the plant process, another facility subject to Subparts F or I.</p> <p>Facility Type = Building enclosing one or more affected facilities and complying with the requirements of 40 CFR § 60.672(e).</p> <p>Construction/Modification Date = After August 31, 1983.</p> <p>Replacement Type = Is not replacing an existing facility.</p>	DSS inadequate, custom determination

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
GRPBLD3D8	40 CFR Part 60, Subpart OOO	60000-1	<p>Plant Type = Nonmetallic mineral processing plant other than a sand and gravel, crushed stone, common clay, pumice plant, hot-mix asphalt facility or plant without crushers or grinding mills containing stand-alone screening operations.</p> <p>Portable or Fixed Plant = Fixed.</p> <p>Plant Capacity = Capacity is greater than 25 tons/hr.</p> <p>Vent = The building does not contain a vent as defined in 40 CFR § 60.671.</p> <p>Capture System = The affected facility is using a capture system for emissions control.</p> <p>Underground Mines = The facility is not located in an underground mine.</p> <p>Control Device Type = Control device other than a baghouse controlling emissions from only an individual enclosed storage bin or wet scrubber, or no emissions control.</p> <p>Subpart Applicability = The facility is not subject to 40 CFR Part 60, Subparts F or I, nor does the facility follow, in the plant process, another facility subject to Subparts F or I.</p> <p>Facility Type = Building enclosing one or more affected facilities and complying with the requirements of 40 CFR § 60.672(e).</p> <p>Construction/Modification Date = After August 31, 1983.</p> <p>Replacement Type = Is not replacing an existing facility.</p>	DSS inadequate, custom determination
GRPBLD3R	40 CFR Part 60, Subpart OOO	60000-1	<p>Plant Type = Nonmetallic mineral processing plant other than a sand and gravel, crushed stone, common clay, pumice plant, hot-mix asphalt facility or plant without crushers or grinding mills containing stand-alone screening operations.</p> <p>Portable or Fixed Plant = Fixed.</p> <p>Plant Capacity = Capacity is greater than 25 tons/hr.</p> <p>Vent = The building does not contain a vent as defined in 40 CFR § 60.671.</p> <p>Capture System = The affected facility is using a capture system for emissions control.</p> <p>Underground Mines = The facility is not located in an underground mine.</p> <p>Control Device Type = Control device other than a baghouse controlling emissions from only an individual enclosed storage bin or wet scrubber, or no emissions control.</p> <p>Subpart Applicability = The facility is not subject to 40 CFR Part 60, Subparts F or I, nor does the facility follow, in the plant process, another facility subject to Subparts F or I.</p> <p>Facility Type = Building enclosing one or more affected facilities and complying with the requirements of 40 CFR § 60.672(e).</p> <p>Construction/Modification Date = After August 31, 1983.</p> <p>Replacement Type = Affected facility is of larger size, or is of equal or smaller size but has a different function than the facility it replaced and is not part of a production line with all affected facilities within the line replaced after August 31, 1983.</p>	DSS inadequate, custom determination

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
GRPBLD4-1	40 CFR Part 60, Subpart OOO	60000-1	<p>Plant Type = Nonmetallic mineral processing plant other than a sand and gravel, crushed stone, common clay, pumice plant, hot-mix asphalt facility or plant without crushers or grinding mills containing stand-alone screening operations.</p> <p>Portable or Fixed Plant = Fixed.</p> <p>Plant Capacity = Capacity is greater than 25 tons/hr.</p> <p>Vent = The building does not contain a vent as defined in 40 CFR § 60.671.</p> <p>Capture System = The affected facility is using a capture system for emissions control.</p> <p>Underground Mines = The facility is not located in an underground mine.</p> <p>Control Device Type = Control device other than a baghouse controlling emissions from only an individual enclosed storage bin or wet scrubber, or no emissions control.</p> <p>Subpart Applicability = The facility is not subject to 40 CFR Part 60, Subparts F or I, nor does the facility follow, in the plant process, another facility subject to Subparts F or I.</p> <p>Facility Type = Building enclosing one or more affected facilities and complying with the requirements of 40 CFR § 60.672(e).</p> <p>Construction/Modification Date = After August 31, 1983.</p> <p>Replacement Type = Is not replacing an existing facility.</p>	DSS inadequate, custom determination
GRPBLD4-18	40 CFR Part 60, Subpart OOO	60000-1	<p>Plant Type = Nonmetallic mineral processing plant other than a sand and gravel, crushed stone, common clay, pumice plant, hot-mix asphalt facility or plant without crushers or grinding mills containing stand-alone screening operations.</p> <p>Portable or Fixed Plant = Fixed.</p> <p>Plant Capacity = Capacity is greater than 25 tons/hr.</p> <p>Vent = The building does not contain a vent as defined in 40 CFR § 60.671.</p> <p>Capture System = The affected facility is using a capture system for emissions control.</p> <p>Underground Mines = The facility is not located in an underground mine.</p> <p>Control Device Type = Control device other than a baghouse controlling emissions from only an individual enclosed storage bin or wet scrubber, or no emissions control.</p> <p>Subpart Applicability = The facility is not subject to 40 CFR Part 60, Subparts F or I, nor does the facility follow, in the plant process, another facility subject to Subparts F or I.</p> <p>Facility Type = Building enclosing one or more affected facilities and complying with the requirements of 40 CFR § 60.672(e).</p> <p>Construction/Modification Date = After August 31, 1983.</p> <p>Replacement Type = Is not replacing an existing facility.</p>	DSS inadequate, custom determination

Unit ID	Regulation	Index Number	Basis of Determination *	Changes and Exceptions to DSS**
GRPBLD4-3	40 CFR Part 60, Subpart OOO	60000-1	<p>Plant Type = Nonmetallic mineral processing plant other than a sand and gravel, crushed stone, common clay, pumice plant, hot-mix asphalt facility or plant without crushers or grinding mills containing stand-alone screening operations.</p> <p>Portable or Fixed Plant = Fixed.</p> <p>Plant Capacity = Capacity is greater than 25 tons/hr.</p> <p>Vent = The building does not contain a vent as defined in 40 CFR § 60.671.</p> <p>Capture System = The affected facility is using a capture system for emissions control.</p> <p>Underground Mines = The facility is not located in an underground mine.</p> <p>Control Device Type = Control device other than a baghouse controlling emissions from only an individual enclosed storage bin or wet scrubber, or no emissions control.</p> <p>Subpart Applicability = The facility is not subject to 40 CFR Part 60, Subparts F or I, nor does the facility follow, in the plant process, another facility subject to Subparts F or I.</p> <p>Facility Type = Building enclosing one or more affected facilities and complying with the requirements of 40 CFR § 60.672(e).</p> <p>Construction/Modification Date = After August 31, 1983.</p> <p>Replacement Type = Is not replacing an existing facility.</p>	DSS inadequate, custom determination
GRPBLDA1	40 CFR Part 60, Subpart OOO	60000-1	<p>Plant Type = Nonmetallic mineral processing plant other than a sand and gravel, crushed stone, common clay, pumice plant, hot-mix asphalt facility or plant without crushers or grinding mills containing stand-alone screening operations.</p> <p>Portable or Fixed Plant = Fixed.</p> <p>Plant Capacity = Capacity is greater than 25 tons/hr.</p> <p>Vent = The building contains a vent as defined in 40 CFR § 60.671.</p> <p>Capture System = The affected facility is using a capture system for emissions control.</p> <p>Underground Mines = The facility is not located in an underground mine.</p> <p>Control Device Type = Control device other than a baghouse controlling emissions from only an individual enclosed storage bin or wet scrubber, or no emissions control.</p> <p>Subpart Applicability = The facility is not subject to 40 CFR Part 60, Subparts F or I, nor does the facility follow, in the plant process, another facility subject to Subparts F or I.</p> <p>Facility Type = Building enclosing one or more affected facilities and complying with the requirements of 40 CFR § 60.672(e).</p> <p>Construction/Modification Date = After August 31, 1983.</p> <p>Replacement Type = Is not replacing an existing facility.</p>	DSS inadequate, custom determination

Unit ID	Regulation	Index Number	Basis of Determination *	Changes and Exceptions to DSS**
GRPBLDAD	40 CFR Part 60, Subpart 000	60000-1	<p>Plant Type = Nonmetallic mineral processing plant other than a sand and gravel, crushed stone, common clay, pumice plant, hot-mix asphalt facility or plant without crushers or grinding mills containing stand-alone screening operations.</p> <p>Portable or Fixed Plant = Fixed.</p> <p>Plant Capacity = Capacity is greater than 25 tons/hr.</p> <p>Vent = The building does not contain a vent as defined in 40 CFR § 60.671.</p> <p>Capture System = The affected facility is using a capture system for emissions control.</p> <p>Underground Mines = The facility is not located in an underground mine.</p> <p>Control Device Type = Control device other than a baghouse controlling emissions from only an individual enclosed storage bin or wet scrubber, or no emissions control.</p> <p>Subpart Applicability = The facility is not subject to 40 CFR Part 60, Subparts F or I, nor does the facility follow, in the plant process, another facility subject to Subparts F or I.</p> <p>Facility Type = Building enclosing one or more affected facilities and complying with the requirements of 40 CFR § 60.672(e).</p> <p>Construction/Modification Date = After August 31, 1983.</p> <p>Replacement Type = Is not replacing an existing facility.</p>	DSS inadequate, custom determination
GRPBLDAD8	40 CFR Part 60, Subpart 000	60000-1	<p>Plant Type = Nonmetallic mineral processing plant other than a sand and gravel, crushed stone, common clay, pumice plant, hot-mix asphalt facility or plant without crushers or grinding mills containing stand-alone screening operations.</p> <p>Portable or Fixed Plant = Fixed.</p> <p>Plant Capacity = Capacity is greater than 25 tons/hr.</p> <p>Vent = The building does not contain a vent as defined in 40 CFR § 60.671.</p> <p>Capture System = The affected facility is using a capture system for emissions control.</p> <p>Underground Mines = The facility is not located in an underground mine.</p> <p>Control Device Type = Control device other than a baghouse controlling emissions from only an individual enclosed storage bin or wet scrubber, or no emissions control.</p> <p>Subpart Applicability = The facility is not subject to 40 CFR Part 60, Subparts F or I, nor does the facility follow, in the plant process, another facility subject to Subparts F or I.</p> <p>Facility Type = Building enclosing one or more affected facilities and complying with the requirements of 40 CFR § 60.672(e).</p> <p>Construction/Modification Date = After August 31, 1983.</p> <p>Replacement Type = Is not replacing an existing facility.</p>	DSS inadequate, custom determination

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
GRPBLDB-1	40 CFR Part 60, Subpart OOO	60000-1	<p>Plant Type = Nonmetallic mineral processing plant other than a sand and gravel, crushed stone, common clay, pumice plant, hot-mix asphalt facility or plant without crushers or grinding mills containing stand-alone screening operations.</p> <p>Portable or Fixed Plant = Fixed.</p> <p>Plant Capacity = Capacity is greater than 25 tons/hr.</p> <p>Vent = The building does not contain a vent as defined in 40 CFR § 60.671.</p> <p>Capture System = The affected facility is using a capture system for emissions control.</p> <p>Underground Mines = The facility is not located in an underground mine.</p> <p>Control Device Type = Control device other than a baghouse controlling emissions from only an individual enclosed storage bin or wet scrubber, or no emissions control.</p> <p>Subpart Applicability = The facility is not subject to 40 CFR Part 60, Subparts F or I, nor does the facility follow, in the plant process, another facility subject to Subparts F or I.</p> <p>Facility Type = Building enclosing one or more affected facilities and complying with the requirements of 40 CFR § 60.672(e).</p> <p>Construction/Modification Date = After August 31, 1983.</p> <p>Replacement Type = Is not replacing an existing facility.</p>	DSS inadequate, custom determination
GRPBLDB-18	40 CFR Part 60, Subpart OOO	60000-1	<p>Plant Type = Nonmetallic mineral processing plant other than a sand and gravel, crushed stone, common clay, pumice plant, hot-mix asphalt facility or plant without crushers or grinding mills containing stand-alone screening operations.</p> <p>Portable or Fixed Plant = Fixed.</p> <p>Plant Capacity = Capacity is greater than 25 tons/hr.</p> <p>Vent = The building does not contain a vent as defined in 40 CFR § 60.671.</p> <p>Capture System = The affected facility is using a capture system for emissions control.</p> <p>Underground Mines = The facility is not located in an underground mine.</p> <p>Control Device Type = Control device other than a baghouse controlling emissions from only an individual enclosed storage bin or wet scrubber, or no emissions control.</p> <p>Subpart Applicability = The facility is not subject to 40 CFR Part 60, Subparts F or I, nor does the facility follow, in the plant process, another facility subject to Subparts F or I.</p> <p>Facility Type = Building enclosing one or more affected facilities and complying with the requirements of 40 CFR § 60.672(e).</p> <p>Construction/Modification Date = After August 31, 1983.</p> <p>Replacement Type = Is not replacing an existing facility.</p>	DSS inadequate, custom determination

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
GRPBLDB-2	40 CFR Part 60, Subpart OOO	60000-1	<p>Plant Type = Nonmetallic mineral processing plant other than a sand and gravel, crushed stone, common clay, pumice plant, hot-mix asphalt facility or plant without crushers or grinding mills containing stand-alone screening operations.</p> <p>Portable or Fixed Plant = Fixed.</p> <p>Plant Capacity = Capacity is greater than 25 tons/hr.</p> <p>Vent = The building does not contain a vent as defined in 40 CFR § 60.671.</p> <p>Capture System = The affected facility is using a capture system for emissions control.</p> <p>Underground Mines = The facility is not located in an underground mine.</p> <p>Control Device Type = Control device other than a baghouse controlling emissions from only an individual enclosed storage bin or wet scrubber, or no emissions control.</p> <p>Subpart Applicability = The facility is not subject to 40 CFR Part 60, Subparts F or I, nor does the facility follow, in the plant process, another facility subject to Subparts F or I.</p> <p>Facility Type = Building enclosing one or more affected facilities and complying with the requirements of 40 CFR § 60.672(e).</p> <p>Construction/Modification Date = After August 31, 1983.</p> <p>Replacement Type = Is not replacing an existing facility.</p>	DSS inadequate, custom determination
GRPBLDB-28	40 CFR Part 60, Subpart OOO	60000-1	<p>Plant Type = Nonmetallic mineral processing plant other than a sand and gravel, crushed stone, common clay, pumice plant, hot-mix asphalt facility or plant without crushers or grinding mills containing stand-alone screening operations.</p> <p>Portable or Fixed Plant = Fixed.</p> <p>Plant Capacity = Capacity is greater than 25 tons/hr.</p> <p>Vent = The building does not contain a vent as defined in 40 CFR § 60.671.</p> <p>Capture System = The affected facility is using a capture system for emissions control.</p> <p>Underground Mines = The facility is not located in an underground mine.</p> <p>Control Device Type = Control device other than a baghouse controlling emissions from only an individual enclosed storage bin or wet scrubber, or no emissions control.</p> <p>Subpart Applicability = The facility is not subject to 40 CFR Part 60, Subparts F or I, nor does the facility follow, in the plant process, another facility subject to Subparts F or I.</p> <p>Facility Type = Building enclosing one or more affected facilities and complying with the requirements of 40 CFR § 60.672(e).</p> <p>Construction/Modification Date = After August 31, 1983.</p> <p>Replacement Type = Is not replacing an existing facility.</p>	DSS inadequate, custom determination

Unit ID	Regulation	Index Number	Basis of Determination *	Changes and Exceptions to DSS**
GRPGF	40 CFR Part 60, Subpart 000	60000-1	<p>Plant Type = Nonmetallic mineral processing plant other than a sand and gravel, crushed stone, common clay, pumice plant, hot-mix asphalt facility or plant without crushers or grinding mills containing stand-alone screening operations.</p> <p>Portable or Fixed Plant = Fixed.</p> <p>Plant Capacity = Capacity is greater than 25 tons/hr.</p> <p>Underground Mines = The facility is not located in an underground mine.</p> <p>Subpart Applicability = The facility is not subject to 40 CFR Part 60, Subparts F or I, nor does the facility follow, in the plant process, another facility subject to Subparts F or I.</p> <p>Construction/Modification Date = On or before August 31, 1983.</p>	DSS inadequate, custom determination
GRPSAT1	40 CFR Part 60, Subpart 000	60000-1	<p>Plant Type = Nonmetallic mineral processing plant other than a sand and gravel, crushed stone, common clay, pumice plant, hot-mix asphalt facility or plant without crushers or grinding mills containing stand-alone screening operations.</p> <p>Portable or Fixed Plant = Fixed.</p> <p>Plant Capacity = Capacity is greater than 25 tons/hr.</p> <p>Underground Mines = The facility is not located in an underground mine.</p> <p>Subpart Applicability = The facility is not subject to 40 CFR Part 60, Subparts F or I, nor does the facility follow, in the plant process, another facility subject to Subparts F or I.</p> <p>Facility Type = Wet screening operations and subsequent screening operations, bucket elevators, or belt conveyors processing saturated material in the production line up to the next crusher, grinding mill, or storage bin.</p> <p>Construction/Modification Date = After August 31, 1983.</p> <p>Truck Dump = No truck dumps nonmetallic minerals into the affected facility.</p> <p>Replacement Type = Is not replacing an existing facility.</p>	DSS inadequate, custom determination

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
GRPSAT3	40 CFR Part 60, Subpart 000	60000-1	<p>Plant Type = Nonmetallic mineral processing plant other than a sand and gravel, crushed stone, common clay, pumice plant, hot-mix asphalt facility or plant without crushers or grinding mills containing stand-alone screening operations.</p> <p>Portable or Fixed Plant = Fixed.</p> <p>Plant Capacity = Capacity is greater than 25 tons/hr.</p> <p>Underground Mines = The facility is not located in an underground mine.</p> <p>Subpart Applicability = The facility is not subject to 40 CFR Part 60, Subparts F or I, nor does the facility follow, in the plant process, another facility subject to Subparts F or I.</p> <p>Facility Type = Wet screening operations and subsequent screening operations, bucket elevators, or belt conveyors processing saturated material in the production line up to the next crusher, grinding mill, or storage bin.</p> <p>Construction/Modification Date = After August 31, 1983.</p> <p>Truck Dump = No truck dumps nonmetallic minerals into the affected facility.</p> <p>Replacement Type = Is not replacing an existing facility.</p>	DSS inadequate, custom determination
TP1-27A	40 CFR Part 60, Subpart 000	60000-1	<p>Plant Type = Nonmetallic mineral processing plant other than a sand and gravel, crushed stone, common clay, pumice plant, hot-mix asphalt facility or plant without crushers or grinding mills containing stand-alone screening operations.</p> <p>Portable or Fixed Plant = Fixed.</p> <p>Plant Capacity = Capacity is greater than 25 tons/hr.</p> <p>Vent = The building does not contain a vent as defined in 40 CFR § 60.671.</p> <p>Capture System = The affected facility is using a capture system for emissions control.</p> <p>Underground Mines = The facility is not located in an underground mine.</p> <p>Control Device Type = Control device other than a baghouse controlling emissions from only an individual enclosed storage bin or wet scrubber, or no emissions control.</p> <p>Subpart Applicability = The facility is not subject to 40 CFR Part 60, Subparts F or I, nor does the facility follow, in the plant process, another facility subject to Subparts F or I.</p> <p>Facility Type = Building enclosing one or more affected facilities and complying with the requirements of 40 CFR § 60.672(e).</p> <p>Construction/Modification Date = After August 31, 1983.</p> <p>Replacement Type = Is not replacing an existing facility.</p>	DSS inadequate, custom determination

Unit ID	Regulation	Index Number	Basis of Determination *	Changes and Exceptions to DSS**
TP7-1	40 CFR Part 60, Subpart OOO	60000-1	<p>Plant Type = Nonmetallic mineral processing plant other than a sand and gravel, crushed stone, common clay, pumice plant, hot-mix asphalt facility or plant without crushers or grinding mills containing stand-alone screening operations.</p> <p>Portable or Fixed Plant = Fixed.</p> <p>Plant Capacity = Capacity is greater than 25 tons/hr.</p> <p>Vent = The building does not contain a vent as defined in 40 CFR § 60.671.</p> <p>Capture System = The affected facility is using a capture system for emissions control.</p> <p>Underground Mines = The facility is not located in an underground mine.</p> <p>Control Device Type = Control device other than a baghouse controlling emissions from only an individual enclosed storage bin or wet scrubber, or no emissions control.</p> <p>Subpart Applicability = The facility is not subject to 40 CFR Part 60, Subparts F or I, nor does the facility follow, in the plant process, another facility subject to Subparts F or I.</p> <p>Facility Type = Building enclosing one or more affected facilities and complying with the requirements of 40 CFR § 60.672(e).</p> <p>Construction/Modification Date = After August 31, 1983.</p> <p>Replacement Type = Is not replacing an existing facility.</p>	DSS inadequate, custom determination
TP7-2L2	40 CFR Part 60, Subpart OOO	60000-1	<p>Plant Type = Nonmetallic mineral processing plant other than a sand and gravel, crushed stone, common clay, pumice plant, hot-mix asphalt facility or plant without crushers or grinding mills containing stand-alone screening operations.</p> <p>Portable or Fixed Plant = Fixed.</p> <p>Plant Capacity = Capacity is greater than 25 tons/hr.</p> <p>Vent = The building does not contain a vent as defined in 40 CFR § 60.671.</p> <p>Capture System = The affected facility is using a capture system for emissions control.</p> <p>Underground Mines = The facility is not located in an underground mine.</p> <p>Control Device Type = Control device other than a baghouse controlling emissions from only an individual enclosed storage bin or wet scrubber, or no emissions control.</p> <p>Subpart Applicability = The facility is not subject to 40 CFR Part 60, Subparts F or I, nor does the facility follow, in the plant process, another facility subject to Subparts F or I.</p> <p>Facility Type = Building enclosing one or more affected facilities and complying with the requirements of 40 CFR § 60.672(e).</p> <p>Construction/Modification Date = After August 31, 1983.</p> <p>Replacement Type = Is not replacing an existing facility.</p>	DSS inadequate, custom determination

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
TP7-4	40 CFR Part 60, Subpart OOO	60000-1	<p>Plant Type = Nonmetallic mineral processing plant other than a sand and gravel, crushed stone, common clay, pumice plant, hot-mix asphalt facility or plant without crushers or grinding mills containing stand-alone screening operations.</p> <p>Portable or Fixed Plant = Fixed.</p> <p>Plant Capacity = Capacity is greater than 25 tons/hr.</p> <p>Vent = The building does not contain a vent as defined in 40 CFR § 60.671.</p> <p>Capture System = The affected facility is using a capture system for emissions control.</p> <p>Underground Mines = The facility is not located in an underground mine.</p> <p>Control Device Type = Control device other than a baghouse controlling emissions from only an individual enclosed storage bin or wet scrubber, or no emissions control.</p> <p>Subpart Applicability = The facility is not subject to 40 CFR Part 60, Subparts F or I, nor does the facility follow, in the plant process, another facility subject to Subparts F or I.</p> <p>Facility Type = Building enclosing one or more affected facilities and complying with the requirements of 40 CFR § 60.672(e).</p> <p>Construction/Modification Date = After August 31, 1983.</p> <p>Replacement Type = Is not replacing an existing facility.</p>	DSS inadequate, custom determination
TPBC-1	40 CFR Part 60, Subpart OOO	60000-1	<p>Plant Type = Nonmetallic mineral processing plant other than a sand and gravel, crushed stone, common clay, pumice plant, hot-mix asphalt facility or plant without crushers or grinding mills containing stand-alone screening operations.</p> <p>Portable or Fixed Plant = Fixed.</p> <p>Plant Capacity = Capacity is greater than 25 tons/hr.</p> <p>Vent = The building contains a vent as defined in 40 CFR § 60.671.</p> <p>Capture System = The affected facility is using a capture system for emissions control.</p> <p>Underground Mines = The facility is not located in an underground mine.</p> <p>Control Device Type = Control device other than a baghouse controlling emissions from only an individual enclosed storage bin or wet scrubber, or no emissions control.</p> <p>Subpart Applicability = The facility is not subject to 40 CFR Part 60, Subparts F or I, nor does the facility follow, in the plant process, another facility subject to Subparts F or I.</p> <p>Facility Type = Building enclosing one or more affected facilities and complying with the requirements of 40 CFR § 60.672(e).</p> <p>Construction/Modification Date = After August 31, 1983.</p> <p>Replacement Type = Affected facility is of equal or smaller size, has the same function as the facility it replaced, and is not part of a production line with all affected facilities within the line replaced after August 31, 1983.</p>	DSS inadequate, custom determination
BP-2	30 TAC Chapter 111, Visible Emissions	R1111-1	<p>Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113.</p> <p>Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit.</p> <p>Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3).</p> <p>Construction Date = After January 31, 1972</p>	Custom requirements determination.

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.	
BP-3	30 TAC Chapter 111, Nonagricultural Processes	R1151-1	Effective Stack Height = The effective stack height as calculated in the equation specified by 30 TAC §111.151(c) is not less than the standard effective stack height as determined by Table 2 specified in 30 TAC §111.151(b).	
BP-3	30 TAC Chapter 111, Visible Emissions	R1111-1	Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113. Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit. Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3). Construction Date = After January 31, 1972 Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.	Custom requirements determination.
BP-5	30 TAC Chapter 111, Nonagricultural Processes	R1151-1	Effective Stack Height = The effective stack height as calculated in the equation specified by 30 TAC §111.151(c) is not less than the standard effective stack height as determined by Table 2 specified in 30 TAC §111.151(b).	
CS	30 TAC Chapter 111, Visible Emissions	R1111-1	Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113. Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit. Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3). Construction Date = After January 31, 1972 Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.	Custom requirements determination.
CS-B	30 TAC Chapter 111, Visible Emissions	R1111-1	Alternate Opacity Limitation = Not complying with an alternate opacity limit under 30 TAC § 111.113. Vent Source = The source of the vent is not a steam generator fired by solid fossil fuel, oil or a mixture of oil and gas and is not a catalyst regenerator for a fluid bed catalytic cracking unit. Opacity Monitoring System = Optical instrument capable of measuring the opacity of emissions is not installed in the vent or optical instrumentation does not meet the requirements of § 111.111(a)(1)(D), or the vent stream does not qualify for the exemption in § 111.111(a)(3). Construction Date = After January 31, 1972 Effluent Flow Rate = Effluent flow rate is at least 100,000 actual cubic feet per minute.	
BP-3	30 TAC Chapter 117, Subchapter B	R7400-1	FUEL FLOW MONITORING = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.340(a) or 117.440(a). UNIT TYPE = Spray dryer used in ceramic tile manufacturing processes. CO EMISSION LIMITATION = Complying with an Alternative Case Specific Specification under 30 TAC §§ 117.325 or 117.425 MAXIMUM RATED CAPACITY = MRC is greater than 5 MMBtu/hr but less than 100 MMBtu/hr. CO MONITORING SYSTEM = Sampling CO with a portable analyzer under 30 TAC § 117.8120(2).	

Unit ID	Regulation	Index Number	Basis of Determination *	Changes and Exceptions to DSS**
			FUEL FIRED = The oven, heater, or dryer is fired with natural gas. NOX EMISSION LIMITATION = Complying with the requirements of 30 TAC § 117.410(b). NOX REDUCTION (ICI) = No NO <sub>x</sub> reduction method. NOX MONITORING SYSTEM = Maximum emission rate testing.	
BP-4	30 TAC Chapter 117, Subchapter B	R7400-1	FUEL FLOW MONITORING = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.340(a) or 117.440(a). UNIT TYPE = Spray dryer used in ceramic tile manufacturing processes. CO EMISSION LIMITATION = Complying with an Alternative Case Specific Specification under 30 TAC §§ 117.325 or 117.425 MAXIMUM RATED CAPACITY = MRC is greater than 5 MMBtu/hr but less than 100 MMBtu/hr. CO MONITORING SYSTEM = Sampling CO with a portable analyzer under 30 TAC § 117.8120(2). FUEL FIRED = The oven, heater, or dryer is fired with natural gas. NOX EMISSION LIMITATION = Complying with the requirements of 30 TAC § 117.410(b). NOX REDUCTION (ICI) = No NO <sub>x</sub> reduction method. NOX MONITORING SYSTEM = Maximum emission rate testing.	
BP-5	30 TAC Chapter 117, Subchapter B	R7400-1	FUEL FLOW MONITORING = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.340(a) or 117.440(a). UNIT TYPE = Spray dryer used in ceramic tile manufacturing processes. CO EMISSION LIMITATION = Complying with an Alternative Case Specific Specification under 30 TAC §§ 117.325 or 117.425 MAXIMUM RATED CAPACITY = MRC is greater than 5 MMBtu/hr but less than 100 MMBtu/hr. CO MONITORING SYSTEM = Sampling CO with a portable analyzer under 30 TAC § 117.8120(2). FUEL FIRED = The oven, heater, or dryer is fired with natural gas. NOX EMISSION LIMITATION = Complying with the requirements of 30 TAC § 117.410(b). NOX REDUCTION (ICI) = No NO <sub>x</sub> reduction method. NOX MONITORING SYSTEM = Maximum emission rate testing.	
GRPCOMB	30 TAC Chapter 117, Subchapter B	R7400-1	UNIT TYPE = Dryer used in organic solvent, printing ink, clay, brick, ceramic tile, calcining or vitrifying processes. MAXIMUM RATED CAPACITY = MRC is 5 MMBtu/hr or less	
GRPCOMBW	30 TAC Chapter 117, Subchapter B	R7400-1	UNIT TYPE = Dryer used in organic solvent, printing ink, clay, brick, ceramic tile, calcining or vitrifying processes. MAXIMUM RATED CAPACITY = MRC is 5 MMBtu/hr or less	
GRPKILN	30 TAC Chapter 117, Subchapter B	R7400-1	FUEL FLOW MONITORING = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.340(a) or 117.440(a). UNIT TYPE = Ceramic kiln CO EMISSION LIMITATION = Complying with an Alternative Case Specific Specification under 30 TAC §§ 117.325 or 117.425 MAXIMUM RATED CAPACITY = MRC is greater than 5 MMBtu/hr but less than 100 MMBtu/hr.	

Unit ID	Regulation	Index Number	Basis of Determination*	Changes and Exceptions to DSS**
			CO MONITORING SYSTEM = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1) NOX EMISSION LIMITATION = Complying with the requirements of 30 TAC § 117.410(b). KILN LB/TON NOX LIMIT = Brick or ceramic kiln uses the lb/ton of product NO <sub>x</sub> emission limit. NOX REDUCTION (ICI) = No NO <sub>x</sub> reduction method. NOX MONITORING SYSTEM = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).	
GRPILNW	30 TAC Chapter 117, Subchapter B	R7400-1	FUEL FLOW MONITORING = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.340(a) or 117.440(a). UNIT TYPE = Ceramic kiln CO EMISSION LIMITATION = Complying with an Alternative Case Specific Specification under 30 TAC §§ 117.325 or 117.425 MAXIMUM RATED CAPACITY = MRC is greater than 5 MMBtu/hr but less than 100 MMBtu/hr. CO MONITORING SYSTEM = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1) NOX EMISSION LIMITATION = Complying with the requirements of 30 TAC § 117.410(b). KILN LB/TON NOX LIMIT = Brick or ceramic kiln uses the lb/ton of product NO <sub>x</sub> emission limit. NOX REDUCTION (ICI) = No NO <sub>x</sub> reduction method. NOX MONITORING SYSTEM = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).	
KD-A	30 TAC Chapter 117, Subchapter B	R7400-1	FUEL FLOW MONITORING = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.340(a) or 117.440(a). UNIT TYPE = Dryer used in organic solvent, printing ink, clay, brick, ceramic tile, calcining or vitrifying processes. CO EMISSION LIMITATION = Complying with an Alternative Case Specific Specification under 30 TAC §§ 117.325 or 117.425 MAXIMUM RATED CAPACITY = MRC is greater than 5 MMBtu/hr but less than 100 MMBtu/hr. CO MONITORING SYSTEM = Sampling CO with a portable analyzer under 30 TAC § 117.8120(2). FUEL FIRED = The oven, heater, or dryer is fired with natural gas. NOX EMISSION LIMITATION = Complying with the requirements of 30 TAC § 117.410(b). NOX REDUCTION (ICI) = No NO <sub>x</sub> reduction method. NOX MONITORING SYSTEM = Maximum emission rate testing.	
KD-B	30 TAC Chapter 117, Subchapter B	R7400-1	FUEL FLOW MONITORING = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.340(a) or 117.440(a). UNIT TYPE = Dryer used in organic solvent, printing ink, clay, brick, ceramic tile, calcining or vitrifying processes. CO EMISSION LIMITATION = Complying with an Alternative Case Specific Specification under 30 TAC §§ 117.325 or 117.425 MAXIMUM RATED CAPACITY = MRC is greater than 5 MMBtu/hr but less than 100 MMBtu/hr. CO MONITORING SYSTEM = Sampling CO with a portable analyzer under 30 TAC § 117.8120(2).	

Unit ID	Regulation	Index Number	Basis of Determination *	Changes and Exceptions to DSS**
			FUEL FIRED = The oven, heater, or dryer is fired with natural gas. NOX EMISSION LIMITATION = Complying with the requirements of 30 TAC § 117.410(b). NOX REDUCTION (ICI) = No NO <sub>x</sub> reduction method. NOX MONITORING SYSTEM = Maximum emission rate testing.	
KS-2	30 TAC Chapter 117, Subchapter B	R7400-1	FUEL FLOW MONITORING = Fuel flow is with a totalizing fuel flow meter per 30 TAC §§ 117.340(a) or 117.440(a). UNIT TYPE = Ceramic kiln CO EMISSION LIMITATION = Complying with an Alternative Case Specific Specification under 30 TAC §§ 117.325 or 117.425 MAXIMUM RATED CAPACITY = MRC is greater than 5 MMBtu/hr but less than 100 MMBtu/hr. CO MONITORING SYSTEM = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1) NOX EMISSION LIMITATION = Complying with the requirements of 30 TAC § 117.410(b). KILN LB/TON NOX LIMIT = Brick or ceramic kiln uses the lb/ton of product NO <sub>x</sub> emission limit. NOX REDUCTION (ICI) = No NO <sub>x</sub> reduction method. NOX MONITORING SYSTEM = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1).	

\* - The "unit attributes" or operating conditions that determine what requirements apply

\*\* - Notes changes made to the automated results from the DSS, and a brief explanation why

## NSR Versus Title V FOP

The state of Texas has two Air permitting programs, New Source Review (NSR) and Title V Federal Operating Permits. The two programs are substantially different both in intent and permit content.

NSR is a preconstruction permitting program authorized by the Texas Clean Air Act and Title I of the Federal Clean Air Act (FCAA). The processing of these permits is governed by 30 Texas Administrative Code (TAC) Chapter 116.111. The Title V Federal Operating Program is a federal program authorized under Title V of the FCAA that has been delegated to the state of Texas to administer and is governed by 30 TAC Chapter 122. The major differences between the two permitting programs are listed in the table below:

NSR Permit	Federal Operating Permit(FOP)
Issued Prior to new Construction or modification of an existing facility	For initial permit with application shield, can be issued after operation commences; significant revisions require approval prior to operation.
Authorizes air emissions	Codifies existing applicable requirements, does not authorize new emissions
Ensures issued permits are protective of the environment and human health by conducting a health effects review and that requirement for best available control technology (BACT) is implemented.	Applicable requirements listed in permit are used by the inspectors to ensure proper operation of the site as authorized. Ensures that adequate monitoring is in place to allow compliance determination with the FOP.
Up to two Public notices may be required. Opportunity for public comment and contested case hearings for some authorizations.	One public notice required. Opportunity for public comments. No contested case hearings.
Applies to all point source emissions in the state.	Applies to all major sources and some non-major sources identified by the EPA.
Applies to facilities: a portion of site or individual emission sources	One or multiple FOPs cover the entire site (consists of multiple facilities)
Permits include terms and conditions under which the applicant must construct and operate its various equipment and processes on a facility basis.	Permits include terms and conditions that specify the general operational requirements of the site; and also include codification of all applicable requirements for emission units at the site.
Opportunity for EPA review for Federal Prevention of Significant Deterioration (PSD) and Nonattainment (NA) permits for major sources.	Opportunity for EPA review, Affected states review, and a Public petition period for every FOP.
Permits have a table listing maximum emission limits for pollutants	Permit has an applicable requirements table and Periodic Monitoring (PM) / Compliance Assurance Monitoring (CAM) tables which document applicable monitoring requirements.
Permits can be altered or amended upon application by company. Permits must be issued before construction or modification of facilities can begin.	Permits can be revised through several revision processes, which provide for different levels of public notice and opportunity to comment. Changes that would be significant revisions require that a revised permit be issued before those changes can be operated.
NSR permits are issued independent of FOP requirements.	FOP are independent of NSR permits, but contain a list of all NSR permits incorporated by reference

## New Source Review Requirements

Below is a list of the New Source Review (NSR) permits for the permitted area. These NSR permits are incorporated by reference into the operating permit and are enforceable under it. These permits can be found in the main TCEQ file room, located on the first floor of Building E, 12100 Park 35 Circle, Austin, Texas. The Public Education Program may be contacted at 1-800-687-4040 or the Air Permits Division (APD) may be contacted at 1-512-239-1250 for help with any question.

Additionally, the site contains emission units that are permitted by rule under the requirements of 30 TAC Chapter 106, Permits by Rule. The following table specifies the permits by rule that apply to the site. All current permits by rule are contained in Chapter 106. Outdated 30 TAC Chapter 106 permits by rule may be viewed at the following Web site:

[www.tceq.texas.gov/permitting/air/permitbyrule/historical\\_rules/old106list/index106.html](http://www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/old106list/index106.html)

Outdated Standard Exemption lists may be viewed at the following Web site:

[www.tceq.texas.gov/permitting/air/permitbyrule/historical\\_rules/oldselist/se\\_index.html](http://www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/oldselist/se_index.html)

<b>Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.</b>	
Authorization No.: 19841	Issuance Date: 04/07/2011
Authorization No.: 19841	Issuance Date: 07/19/2012
Authorization No.: 19841	Issuance Date: 04/12/2013
<b>Permits By Rule (30 TAC Chapter 106) for the Application Area</b>	
Number: 106.183	Version No./Date: 06/18/1997
Number: 106.264	Version No./Date: 09/04/2000
Number: 106.433	Version No./Date: 03/14/1997
Number: 106.433	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 03/14/1997
Number: 106.475	Version No./Date: 03/14/1997
Number: 106.475	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 03/14/1997
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.532	Version No./Date: 03/14/1997

## Emission Units and Emission Points

In air permitting terminology, any source capable of generating emissions (for example, an engine or a sandblasting area) is called an Emission Unit. For purposes of Title V, emission units are specifically listed in the operating permit when they have applicable requirements other than New Source Review (NSR), or when they are listed in the permit shield table.

The actual physical location where the emissions enter the atmosphere (for example, an engine stack or a sandblasting yard) is called an emission point. For New Source Review preconstruction permitting purposes, every

emission unit has an associated emission point. Emission limits are listed in an NSR permit, associated with an emission point. This list of emission points and emission limits per pollutant is commonly referred to as the “Maximum Allowable Emission Rate Table”, or “MAERT” for short. Specifically, the MAERT lists the Emission Point Number (EPN) that identifies the emission point, followed immediately by the Source Name, identifying the emission unit that is the source of those emissions on this table.

Thus, by reference, an emission unit in a Title V operating permit is linked by reference number to an NSR authorization, and its related emission point.

### **Monitoring Sufficiency**

Federal and state rules, 40 CFR § 70.6(a)(3)(i)(B) and 30 TAC § 122.142(c) respectively, require that each federal operating permit include additional monitoring for applicable requirements that lack periodic or instrumental monitoring (which may include recordkeeping that serves as monitoring) that yields reliable data from a relevant time period that are representative of the emission unit’s compliance with the applicable emission limitation or standard. Furthermore, the federal operating permit must include compliance assurance monitoring (CAM) requirements for emission sources that meet the applicability criteria of 40 CFR Part 64 in accordance with 40 CFR § 70.6(a)(3)(i)(A) and 30 TAC § 122.604(b).

With the exception of any emission units listed in the Periodic Monitoring or CAM Summaries in the FOP, the TCEQ Executive Director has determined that the permit contains sufficient monitoring, testing, recordkeeping, and reporting requirements that assure compliance with the applicable requirements. If applicable, each emission unit that requires additional monitoring in the form of periodic monitoring or CAM is described in further detail under the Rationale for CAM/PM Methods Selected section following this paragraph.

### **Rationale for Compliance Assurance Monitoring (CAM)/ Periodic Monitoring Methods Selected**

#### **Compliance Assurance Monitoring (CAM):**

Compliance Assurance Monitoring (CAM) is a federal monitoring program established under Title 40 Code of Federal Regulations Part 64 (40 CFR Part 64).

Emission units are subject to CAM requirements if they meet the following criteria:

1. the emission unit is subject to an emission limitation or standard for an air pollutant (or surrogate thereof) in an applicable requirement;
2. the emission unit uses a control device to achieve compliance with the emission limitation or standard specified in the applicable requirement; and
3. the emission unit has the pre-control device potential to emit greater than or equal to the amount in tons per year for a site to be classified as a major source.

The following table(s) identify the emission unit(s) that are subject to CAM:

<b>Unit/Group/Process Information</b>	
ID No.: BP-3, BP-5	
Control Device ID No.: BP-3	Control Device Type: Fabric Filter
Control Device ID No.: BP-4A	Control Device Type: Fabric Filter
Control Device ID No.: BP-4B	Control Device Type: Fabric Filter
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
<b>Monitoring Information</b>	
Indicator: Visible Emissions	
Minimum Frequency: once per day	
Averaging Period: N/A	
Deviation Limit: Maximum opacity shall not exceed 5 % as determined by Method 9.	
Basis of CAM: The option to perform opacity readings or visible emissions to demonstrate compliance is consistent with EPA Reference Test Method 9 and 22. Opacity and visible emissions have been used as an indicator of particulate emissions in many federal rules including 40 CFR Part 60, Subpart F and Subpart HH. In addition, use of these indicators is consistent with the EPA's "Compliance Assurance Monitoring (CAM) Technical Guidance Document" (August 1998). Monitoring specifications and procedures for the opacity are consistent with federal requirements and include the EPA's Test Method 9 for determining opacity by visual observations and the requirements of 40 CFR § 60.13 for a continuous opacity monitoring system (COMS). The monitoring specifications and procedures for the visible emissions monitoring are similar to "EPA Reference Method 22" procedures.	

### Available Unit Attribute Forms

- OP-UA1 - Miscellaneous and Generic Unit Attributes
- OP-UA2 - Stationary Reciprocating Internal Combustion Engine Attributes
- OP-UA3 - Storage Tank/Vessel Attributes
- OP-UA4 - Loading/Unloading Operations Attributes
- OP-UA5 - Process Heater/Furnace Attributes
- OP-UA6 - Boiler/Steam Generator/Steam Generating Unit Attributes
- OP-UA7 - Flare Attributes
- OP-UA8 - Coal Preparation Plant Attributes
- OP-UA9 - Nonmetallic Mineral Process Plant Attributes
- OP-UA10 - Gas Sweetening/Sulfur Recovery Unit Attributes
- OP-UA11 - Stationary Turbine Attributes
- OP-UA12 - Fugitive Emission Unit Attributes
- OP-UA13 - Industrial Process Cooling Tower Attributes
- OP-UA14 - Water Separator Attributes
- OP-UA15 - Emission Point/Stationary Vent/Distillation Operation/Process Vent Attributes
- OP-UA16 - Solvent Degreasing Machine Attributes
- OP-UA17 - Distillation Unit Attributes
- OP-UA18 - Surface Coating Operations Attributes

OP-UA19 - Wastewater Unit Attributes  
OP-UA20 - Asphalt Operations Attributes  
OP-UA21 - Grain Elevator Attributes  
OP-UA22 - Printing Attributes  
OP-UA24 - Wool Fiberglass Insulation Manufacturing Plant Attributes  
OP-UA25 - Synthetic Fiber Production Attributes  
OP-UA26 - Electroplating and Anodizing Unit Attributes  
OP-UA27 - Nitric Acid Manufacturing Attributes  
OP-UA28 - Polymer Manufacturing Attributes  
OP-UA29 - Glass Manufacturing Unit Attributes  
OP-UA30 - Kraft, Soda, Sulfite, and Stand-Alone Semicheical Pulp Mill Attributes  
OP-UA31 - Lead Smelting Attributes  
OP-UA32 - Copper and Zinc Smelting/Brass and Bronze Production Attributes  
OP-UA33 - Metallic Mineral Processing Plant Attributes  
OP-UA34 - Pharmaceutical Manufacturing  
OP-UA35 - Incinerator Attributes  
OP-UA36 - Steel Plant Unit Attributes  
OP-UA37 - Basic Oxygen Process Furnace Unit Attributes  
OP-UA38 - Lead-Acid Battery Manufacturing Plant Attributes  
OP-UA39 - Sterilization Source Attributes  
OP-UA40 - Ferroalloy Production Facility Attributes  
OP-UA41 - Dry Cleaning Facility Attributes  
OP-UA42 - Phosphate Fertilizer Manufacturing Attributes  
OP-UA43 - Sulfuric Acid Production Attributes  
OP-UA44 - Municipal Solid Waste Landfill/Waste Disposal Site Attributes  
OP-UA45 - Surface Impoundment Attributes  
OP-UA46 - Epoxy Resins and Non-Nylon Polyamides Production Attributes  
OP-UA47 - Ship Building and Ship Repair Unit Attributes  
OP-UA48 - Air Oxidation Unit Process Attributes  
OP-UA49 - Vacuum-Producing System Attributes  
OP-UA50 - Fluid Catalytic Cracking Unit Catalyst Regenerator/Fuel Gas Combustion Device/Claus Sulfur Recovery Plant Attributes  
OP-UA51 - Dryer/Kiln/Oven Attributes  
OP-UA52 - Closed Vent Systems and Control Devices  
OP-UA53 - Beryllium Processing Attributes  
OP-UA54 - Mercury Chlor-Alkali Cell Attributes  
OP-UA55 - Transfer System Attributes  
OP-UA56 - Vinyl Chloride Process Attributes  
OP-UA57 - Cleaning/Depainting Operation Attributes  
OP-UA58 - Treatment Process Attributes  
OP-UA59 - Coke By-Product Recovery Plant Attributes  
OP-UA60 - Chemical Manufacturing Process Unit Attributes  
OP-UA61 - Pulp, Paper, or Paperboard Producing Process Attributes  
OP-UA62 - Glycol Dehydration Unit Attributes  
OP-UA63 - Vegetable Oil Production Attributes