Facility Name – Permit #:

Revisions:

Permit Issued:

Permit Expires:

This checklist is provided as a tool for permit holders and ADEQ staff to have a consistent understanding of the major compliance expectations under this permit. This checklist is designed to be easy to read and follow. It is intended only to address the permit requirements that ADEQ feels are the most important to protect human health and the environment. This list does not include every permit condition and permit holders should ensure they understand the full requirements of their permit. This list does not supplant or supersede any legal requirement and is not binding on the permit holder or ADEQ staff.

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
ATTACHMENT A: GENERAL PROVISIONS	
Posting of Permit **Attachment A, Section IV.A** General Permit or certificate posted and is clearly visible and accessible.	
Posting of Permit **Attachment A, Section IV.A** All equipment covered by the permit is clearly marked with one of the following: Current permit number, serial number, or equipment ID listed in the permit?	
Posting of Permit **Attachment A, Section IV.B** A copy of the complete permit is kept onsite?	
Annual Emission Inventory Questionnaire **Attachment A, Section VI.A** The Permittee shall complete and submit to the Director an annual emissions inventory questionnaire. The questionnaire is due by March 31 or ninety days after the Director makes the inventory form available each year, whichever occurs later, and shall include emission information for the previous calendar year.	
Compliance Certification **Attachment A, Section VII.A** The Permittee shall submit to the Director a compliance certification at least once each year and upon request of the Director. The compliance certification shall describe the compliance status of the source.	
ATTACHMENT B: FACILITYWIDE REQUIREMENTS	
II. CONDITIONS FOR COVERAGE	
Attachment B, Section II.B *The Permittee shall not operate the equipment covered under this permit with any other concrete batch plant, hot mix asphalt plant, or crushing & screening plant not covered by this*	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
permit if they meet the definition of a stationary source under A.A.C.R18-2-101.140.	
III. FACILITY WIDE REQUIREMENTS	
Operational Limitations **Attachment B, Section III.A.1** *The Permittee shall not operate the equipment identified in the ATO for more than the number of annual hours limit specified in the ATO.*	
Operational Limitations **Attachment B, Section III.A.2** The Permittee shall operate and maintain all equipment in accordance with manufacturer's specifications.	
PM_{10} Attainment Area Throughput Limitations **Stand Alone Hot Mix Asphalt Plant** **Attachment B, Section III.C.1** *The Permittee shall not operate the hot mix asphalt plant such that the throughput exceeds 5,280 tons per day (tpd).*	
PM_{10} Attainment Area Throughput Limitations **Attachment B, Section III.C.2** *Hot Mix Asphalt Plant with Crushing & Screening and Concrete Batch Plants.* • The Permittee shall not operate the hot mix asphalt plant such that the throughput exceeds 4,200 tpd. • The Permittee shall not operate the crushing and screening plant such that the throughput exceeds 3,780 tpd. • The Permittee shall not operate the concrete batch plant such that the throughput exceeds 1,275 cubic yards per day (yd3/day).	
PM_{10} Nonattainment Area Throughput Limitations **Stand-alone Hot Mix Asphalt Plant** **Attachment B, Section III.D.1** *The Permittee shall not operate the hot mix asphalt plant equipment in any PM10 nonattainment area such that the throughput exceeds 3,150 tpd.*	
PM_{10} Nonattainment Area Throughput Limitations **Attachment B, Section III.D.2** *The Permittee shall not operate any crushing & screening and/or concrete batch facilities with the hot mix asphalt plant in any PM10 nonattainment area.*	
Operating Limitation for Engines in Maricopa County **Attachment B, Section III.E** *While operating in Maricopa County, the Permittee shall not*	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
operate non-certified engines that are cumulatively greater than 700 brake horsepower. A non-certified engine is any engine that is not certified by the manufacturer to meet at least a Tier 1 emission standard or better in accordance with 40 CFR 89.112(a).	
Opacity Monitoring Requirements **Monitoring Methods** **Attachment B, Section III.F.1.a.1** Alternative Method ALT-082 (Digital Camera Operating Technique) • The Permittee, or Permittee representative, shall be certified in the use of Alternative Method ALT-082. • The results of all instantaneous surveys and six-minute observations shall be obtained within 30 minutes.	
Opacity Monitoring Requirements **Monitoring Methods** **Attachment B, Section III.F.1.a.2** The Permittee shall have on site or on call a person certified in EPA Reference Method 9 unless all instantaneous visual surveys and six-minute observations required by this permit are conducted by Alternative Method ALT-082.	
Recordkeeping Requirements **Attachment B, Section III.G.1** The Permittee shall maintain records of the operating hours of the equipment covered under this General Permit which are subject to an hourly restriction. These records shall include the date, equipment identification or equipment type, the starting time and the stopping time. Operating hours for equipment that utilizes an hours meter does not have to be separately logged.	
Recordkeeping Requirements **Attachment B, Section III.G.2** The Permittee shall maintain records of the total daily throughput of material, in tons per day, processed by the hot mix asphalt plant, and crushing and screening plant.	
Recordkeeping Requirements **Attachment B, Section III.G.3** The Permittee shall maintain records of the total daily production of the concrete batch plant in cubic yards per day.	
Recordkeeping Requirements **Non-Road Engines** **Attachment B, Section III.G.6**	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
The Permittee shall keep a log of following information for each engine that meets the definition of a non-road engine in 40 CFR Part 98. • Date that the engine is brought to the facility; • Make, model, serial number and capacity of the engine; and • Date that the engine is removed from the facility.	
IV. INTERNAL COMBUSTION ENGINE(S) NON-NSPS The requirements under this Section are applicable to any existing engine not subject to 40 New Source Performance Standards, CFR 60 Subpart IIII or 40 CFR 60 Subpart JJJJ.	
Emission Limitations and Standards **Attachment B, Section IV.B.1.c** The Permittee shall not cause, allow or permit to be emitted into the atmosphere from any engine, smoke for any period greater than 10 consecutive seconds which exceeds 40% opacity. Visible emissions when starting cold equipment shall be exempt from this requirement for the first 10 minutes.	
Monitoring, Recordkeeping and Reporting Requirements **Attachment B, Section IV.B.2.a** The Permittee shall conduct quarterly periodic opacity monitoring for all engines, when in operation, as per Condition III.F. Opacity monitoring is not required for natural gas or propane fired engines.	
Sulfur Dioxide **Monitoring, Recordkeeping and Reporting Requirements** **Attachment B, Section IV.C.2.b** For diesel engines, the Permittee shall keep records of fuel supplier certifications or other documentation listing the sulfur content. These records shall be made available to ADEQ upon request.	
General Requirements **Attachment B, Section IV.D.2.a** The Permittee shall operate and maintain at all times the engine including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.	
Requirements for Emergency Engines **Operation Requirements** **Attachment B: Section IV.D.3.a.1** The Permittee shall operate and maintain the engine and after-treatment control device (if any) according to the	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
manufacturer's emission-related written instructions or develop a maintenance plan which shall provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.	
Requirements for Emergency Engines **Operation Requirements** **Attachment B: Section IV.D.3.a.3** The Permittee shall change the oil and filter every 500 hours operation or annually, whichever comes first. If the Permittee prefers to extend the oil change requirement, an oil analysis program described below shall be completed. The oil analysis must be performed at the same frequency specified for changing the oil.	
Requirements for Emergency Engines **Operation Requirements** **Attachment B: Section IV.D.3.a.3.b** Every 1,000 hours of operation or annually, whichever comes first, inspect and replace as necessary, spark plugs for SI engine, and/or air cleaner for CI engine.	
Requirements for Emergency Engines **Operation Requirements** **Attachment B: Section. IV.D.3.a.3.c** The Permittee shall inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.	
Requirements for Emergency Engines **Operation Requirements** **Attachment B: Section IV.D.3.a.5.b** The Permittee may operate the emergency engine for the purpose of maintenance checks and readiness testing for a maximum of 100 hours per calendar year provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine.	
Requirements for Emergency Engines **Operation Requirements** **Attachment B: Section IV.D.3.a.6** *The Permittee shall install a non-resettable hour meter if one is not already installed.*	
Requirements for Emergency Engines **Recordkeeping Requirements**	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
Attachment B: Section IV.D.3.b The Permittee shall keep records of the hours of operation of the RICE that is recorded through the non-resettable hour meter. Records shall include the date, start and stop times, hours spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.	
Requirements for Emergency Engines **Recordkeeping Requirements** **Attachment B: Section IV.D.3.b.2** The Permittee shall keep records of the parameters that are analyzed and the results of the oil analysis, if any, and the oil changes for the engine.	
Requirements for Emergency Engines **Recordkeeping Requirements** **Attachment B: Section IV.D.3.b.3** The Permittee shall keep records of the maintenance conducted on the engine in order to demonstrate that the engine and after-treatment control device (if any) were operated and maintained in accordance with the Permittee's maintenance plan.	
Requirements for Non-Emergency Compression Ignition Engines **Operation Requirements for CI Engines < 300 HP** **Attachment B, Section IV.D.4.a.1** The Permittee shall operate and maintain the engine and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop a maintenance plan which shall provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.	
Requirements for Non-Emergency Compression Ignition Engines **Operation Requirements for CI Engines < 300 HP** **Attachment B, Section IV.D.4.a.2.a** The Permittee shall change the oil and filter every 1,000 hours operation or annually, whichever comes first. If the Permittee prefers to extend the oil change requirement, an oil analysis program described below shall be completed. The oil analysis shall be performed at the same frequency specified for changing the oil.	
Requirements for Non-Emergency Compression Ignition	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
Engines **Operation Requirements for CI Engines < 300 HP** **Attachment B, Section IV.D.4.a.2.b** Every 1,000 hours of operation or annually, whichever comes first, the Permittee shall inspect and replace air cleaner as necessary.	
Requirements for Non-Emergency Compression Ignition Engines **Operation Requirements for CI Engines < 300 HP** **Attachment B, Section IV.D.4.a.2.c** Every 500 hours of operation or annually, whichever comes first, the Permittee shall inspect all hoses and belts and replace as necessary.	
Requirements for Non-Emergency Compression Ignition Engines **Operating Requirements for CI Engines >300 HP** **Fuel Limitations** **Attachment B, Section IV.D.4.b.1** The Permittee shall use diesel fuel that meets the requirements in 40 CFR 80.510(b) for non-road diesel fuel.	
Requirements for Non-Emergency Compression Ignition Engines **Operating Requirements for CI Engines >300 HP** **Emission Limitations** **Attachment B, Section IV.D.4.b.2** The Permittee shall comply with either of the following emission limitations: The Permittee shall limit concentration of CO in the engine exhaust to • 49 ppmv at 15 percent O2 for engines between 300-500 HP, • 23 ppmvd at 15 percent O2 for engines greater than 500 HP; The Permittee shall reduce CO emissions by 70%	
Requirements for Non-Emergency Compression Ignition Engines **Operating Requirements for CI Engines >300 HP** **Operation and Maintenance Requirements** **Attachment B, Section IV.D.4.b.3.b** If the CI engine is not equipped with a closed crankcase ventilation system, the Permittee shall either • Install a closed crankcase ventilation system that prevents	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
crankcase emissions from being emitted to the atmosphere, or • Install an open crankcase filtration emission control system that reduces emissions from the crankcase by filtering the exhaust stream to remove oil mist, particulates and metals.	
Requirements for Non-Emergency Compression Ignition Engines **Operating Limitations (Only for Engines > 500 HP)** **Attachment B, Section IV.D.4.c.1** If the Permittee is using an oxidation catalyst to comply with the requirement to limit or reduce the concentration of CO; • The Permittee shall maintain the catalyst so that the pressure drop across the catalyst does not change by more than 2 inches of water from the pressure drop across the catalyst that was measured during the initial performance test; and • The Permittee shall maintain the temperature of the engine exhaust so that the catalyst inlet temperature is greater than or equal to 450° F and less than or equal to 1350° F.	
Requirements for Non-Emergency Compression Ignition Engines **Monitoring Requirements (Only for Engines > 500 HP)** **Attachment B, Section IV.D.4.d.2** If the Permittee is complying with the requirement to reduce CO emissions, or to limit the concentration of CO, and is using oxidation catalyst and CPMS, *the Permittee shall install, operate, and maintain each CPMS to continuously monitor catalyst inlet temperature and catalyst pressure drop according to the requirements in in 40 CFR 63.6625(b).*	
Requirements for Non-Emergency Compression Ignition Engines **Operating Limitations (Only for Engines > 500 HP)** **Monitoring Requirements** **Attachment B, Section IV.D.4.d.3** If the Permittee is complying with the requirement to reduce CO emissions, or to limit the concentration of CO, and is not using oxidation catalyst, *the Permittee shall install, operate, and maintain CPMS to continuously monitor operating parameters approved by the Director (if any) according to the requirements in 40 CFR 63.6625(b).*	
Requirements for Non-Emergency Compression Ignition Engines	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
Initial Performance Test/Compliance Demonstration **For the engines not equipped with CEMS** **Attachment B, Section IV.D.4.e.1.a** • The Permittee shall conduct initial performance test in accordance with the method in Table 5 of 40 CFR 63 Subpart ZZZZ to demonstrate compliance with the emission limits in Condition IV.D.4.b.(2)(a). If the Permittee is complying with the requirement to reduce CO emissions, or to limit the concentration of CO, and is using oxidation catalyst and CPMS, the Permittee shall record the catalyst pressure drop and catalyst inlet temperature during the initial performance test using the CPMS installed according to the requirements in Condition IV.D.4.d.(2). • If the Permittee is complying with the requirement to reduce CO emissions, or to limit the concentration of CO, and is not using oxidation catalyst, the Permittee shall record the approved operating parameters (if any) using the CPMS installed according to the requirements in Condition IV.D.4.d.(3).	
Requirements for Non-Emergency Compression Ignition Engines **Continuous Compliance/Subsequent Performance Test Requirements** **Attachment B, Section IV.D.4.f.1** For engines not using CEMS, the Permittee shall conduct subsequent performance tests every 8,760 hours or 3 years, whichever comes first, in accordance with the method in Table 5 of 40 CFR 63 Subpart ZZZZ to demonstrate compliance with the emission limits in Condition IV.D.4.b.(2)(a).	
Requirements for Non-Emergency Compression Ignition Engines **Continuous Compliance/Subsequent Performance Test Requirements** **For engines using oxidation catalyst** **Attachment B, Section IV.D.4.f.2** • The Permittee shall collect the catalyst inlet temperature data according to 40 CFR 63.6625(b), reduce these data to 4-hour rolling averages; and maintain the 4-hour rolling averages within the operating limitations for the catalyst inlet temperature established during the performance test; and • Measure the pressure drop across the catalyst once per month and demonstrating that the pressure drop across	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
the catalyst is within the operating limitation established during the performance test. • If the Permittee changes the catalyst, the Permittee shall reestablish the values of the operating parameters measured during the initial performance test. While reestablishing the values of the operating parameters, the Permittee shall also conduct a performance test to demonstrate that the Permittee is meeting the required emission limitation applicable to the stationary RICE.	
Requirements for Non-Emergency Compression Ignition Engines **Recordkeeping Requirements** **Attachment B: Section IV.D.4.h.1.c** Records of performance tests and performance evaluations as required in 40 CFR 63.10(b)(2)(viii).	
Requirements for Non-Emergency Compression Ignition Engines **Recordkeeping Requirements** **Attachment B: Section IV.D.4.h.1.d** Records of all required maintenance performed on the air pollution control and monitoring equipment.	
V. INTERNAL COMBUSTION ENGINE(S) SUBJECT TO NSPS SUBPART IIII This Section applies to the following affected facilities as defined in 40 CFR 60.4200 and marked on the ATO as applicable to NSPS Subpart IIII.	
Operating Requirements **Attachment B: Section V.B.1.b** The Permittee shall operate and maintain the CI-ICE and any control device according to the manufacturer's emission-related written instructions, or demonstrate compliance in accordance with Condition V.C.1.d.	
Fuel Requirements **Attachment B: Section V.B.2.a** The Permittee shall use diesel fuel that meets the requirements of 40 CFR 80.510(b) for non-road diesel fuel. • Sulfur content; 15 ppm maximum; and • A minimum cetane index of 40 or a maximum aromatic content of 35 volume percent.	
Operating Requirements **Attachment B: Section V.B.3** If an engine is equipped with a diesel particulate filter to comply with the emission standards, *the Permittee shall install, maintain, and operate the particulate filter in accordance with*	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
good air pollution control practices for minimizing emissions.	
Non-Emergency Generators **Monitoring, Recordkeeping and Reporting Requirements** **Attachment B: Section V.C.3.a** If an engine is equipped with a diesel particulate filter to comply with the emission standards in Condition V.C.1, the Permittee shall install a backpressure monitor on the diesel particulate filter that notifies the Permittee when the high backpressure limit of the engine is approached.	
Non-Emergency Generators **Monitoring, Recordkeeping and Reporting Requirements** **Attachment B: Section V.C.3.c.2** Keep records of the following information: • All notifications submitted to comply with this NSPS 40 CFR 60 Subpart IIII and all documentation supporting any notification; and • Maintenance conducted on the engine; and • If the engine is certified, documentation from the manufacturer that the engine is certified to meet the applicable emission standards; or • If the engine is not certified, documentation that the engine meets the emission standards.	
Emergency Engines **Operating Requirements** **Attachment B: Section V.D.1.a** The Permittee shall install a non-resettable hour meter prior to startup of the engine.	
VII. FUGITIVE DUST REQUIREMENTS This Section applies to any non-point source of fugitive dust in the facility.	
Open Areas, Roadways & Streets, Storage Piles, and Material Handling **Emission Limitations/Standards** **Attachment B: Section VII.B.1.a** Opacity of emissions from any fugitive dust non-point source shall not be greater than 40% measured in accordance with the Arizona Testing Manual, Reference Method 9.	
Open Areas, Roadways & Streets, Storage Piles, and Material Handling **Emission Limitations/Standards** **Attachment B: Section VII.B.1.b.1** Keep dust and other types of air contaminants to a minimum in an open area where construction operations, repair	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
operations, demolition activities, clearing operations, leveling operations, or any earth moving or excavating activities are taking place, by good modern practices such as using an approved dust suppressant or adhesive soil stabilizer, paving, covering, landscaping, continuous wetting, detouring, barring access, or other acceptable means;	
Open Areas, Roadways & Streets, Storage Piles, and Material Handling **Emission Limitations/Standards** **Attachment B: Section VII.B.1.b.2** Keep dust to a minimum from driveways, parking areas, and vacant lots where motor vehicular activity occurs by using an approved dust suppressant, or adhesive soil stabilizer, or by paving, or by barring access to the property, or by other acceptable means;	
Open Areas, Roadways & Streets, Storage Piles, and Material Handling **Emission Limitations/Standards** **Attachment B: Section VII.B.1.b.5** Take reasonable precautions, such as the use of spray bars, wetting agents, dust suppressants, covering the load, and hoods when crushing, handling, or conveying material likely to give rise to airborne dust;	
Open Areas, Roadways & Streets, Storage Piles, and Material Handling **Emission Limitations/Standards** **Attachment B: Section VII.B.1.b.6** Take reasonable precautions such as chemical stabilization, wetting, or covering when organic or inorganic dust producing material is being stacked, piled, or otherwise stored;	
Open Areas, Roadways & Streets, Storage Piles, and Material Handling **Emission Limitations/Standards** **Attachment B: Section VII.B.1.b.7** Operate stacking and reclaiming machinery utilized at storage piles at all times with a minimum fall of material, or with the use of spray bars and wetting agents;	
Air Pollution Control Requirements **Haul Roads and Storage Piles** **Attachment B: Section VII.B.2.a** *Water, or an equivalent control, shall be used to control visible emissions from haul roads and storage piles.*	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
Air Pollution Control Requirements **Explosive Blasting** **Attachment B: Section VII.B.2.b** *The Permittee shall use good air pollution control practices for minimizing emissions when conducting explosive blasting operations.*	
Monitoring and Recordkeeping Requirements **Attachment B: Section VII.B.3.a** The Permittee shall maintain records of the dates on which any of the activities listed in Condition X.B.1.a(3)(a) through h above were performed and the control measures that were adopted.	
Monitoring and Recordkeeping Requirements **Opacity Monitoring Requirements** **Attachment B: Section VII.B.3.b** The Permittee shall conduct a weekly monitoring of visible emissions from the fugitive dust sources as per the periodic opacity monitoring requirements specified in Condition III.F.	
Monitoring and Recordkeeping Requirements **Explosive Blasting** **Attachment B: Section VII.B.3.c** The Permittee shall keep records of the following information: • The date and time each blast occurred; • The amount of explosive blasting material used, in pounds, for each blast; and • The type of explosive blasting material used for each blast.	
VIII. MOBILE SOURCE REQUIREMENTS	
Particulate Matter and Opacity **Off-Road Machinery** **Attachment B: Section VIII.B.1.a** The Permittee shall not cause, allow, or permit to be emitted into the atmosphere from any off-road machinery, smoke for any period greater than ten consecutive seconds, the opacity of which exceeds 40%. Visible emissions when starting cold equipment shall be exempt from this requirement for the first ten minutes. Off-road machinery shall include trucks, graders, scrapers, rollers, and other construction and mining machinery not normally driven on a completed public roadway.	
Particulate Matter and Opacity **Recordkeeping Requirements** **Attachment B: Section VIII.B.2** The Permittee shall keep a record of all emissions related	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
maintenance activities performed on the Permittee's mobile sources stationed at the facility as per manufacturer's specifications.	
IX. OTHER PERIODIC ACTIVITIES	
Abrasive Blasting **Emission Limitations and Standards** **Attachment B: Section IX.A.1.a** The Permittee shall not cause or allow sandblasting or other abrasive blasting without minimizing dust emissions to the atmosphere through the use of good modern practices. Good modern practices include: • Wet blasting; • Effective enclosures with necessary dust collecting equipment; • Any other method approved by the Director.	
Abrasive Blasting **Opacity** **Attachment B: Section IX.A.1.b** The Permittee shall not cause, allow or permit visible emissions from sandblasting or other abrasive blasting operations in excess of 20% opacity, as measured by EPA Reference Method 9.	
Abrasive Blasting **Monitoring and Recordkeeping Requirement** **Attachment B: Section IX.A.2** Each time an abrasive blasting project is conducted, the Permittee shall keep a record of the following: • The date the project was conducted; • The duration of the project; and • Type of control measures employed.	
Use of Paints **Emission Limitations/Standards** **Attachment B: Section IX.B.1.a.1** The Permittee shall not conduct or cause to be conducted any spray painting operation without minimizing organic solvent emissions. Such operations, other than architectural coating and spot painting, shall be conducted in an enclosed area equipped with controls containing no less than 96 percent of the overspray.	
Use of Paints **Emission Limitations/Standards** **Attachment B: Section IX.B.1.a.2**	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
The Permittee or their designated contractor shall not either: • Employ, apply, evaporate, or dry any architectural coating containing photochemically reactive solvents for industrial or commercial purposes; or • Thin or dilute any architectural coating with a photochemically reactive solvent.	
Use of Paints **Monitoring and Recordkeeping Requirements** **Attachment B: Section IX.B.1.b.1** Each time a spray painting project is conducted, the Permittee shall log in ink, or in an electronic format, a record of the following: • The date the project was conducted; • The duration of the project; • Type of control measures employed; • Material Safety Data Sheets for all paints and solvents used in the project; and • The amount of paint consumed during the project.	
Use of Paints **Opacity** **Attachment B: Section IX.B.2** The Permittee shall not cause, allow or permit visible emissions from painting operations in excess of 20% opacity, as measured by EPA Reference Method 9.	
Demolition/Renovation – Hazardous Air Pollutants **Emission Limitation/Standard** **Attachment B: Section IX.C.1** The Permittee shall comply with all of the requirements of 40 CFR 61 Subpart M (National Emissions Standards for Hazardous Air Pollutants - Asbestos).	
Demolition/Renovation – Hazardous Air Pollutants **Monitoring and Recordkeeping Requirement** **Attachment B: Section IX.C.2** The Permittee shall keep all required records in a file. The required records shall include the "NESHAP Notification for Renovation and Demolition Activities" form and all supporting documents.	
ATTACHMENT C: SPECIFIC CONDITIONS – HOT MIX FACILITY	
I. HOT MIX ASPHALT PLANT Hot Mix Asphalt facility is defined as any combination of the following equipment: Dryers; Systems for Screening, Handling, Storing, and Weighing Hot Aggregates; Systems for Loading, transferring, and Storing Mineral Filler; Systems for Mixing Hot Mix Asphalt; and Loading, Transfer, and	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
Storage Systems Associated with Emission Control Systems.	
Smoke Point Requirements **Smoke Point Limits** **Attachment C: Section I.B.1.a** The Permittee shall have, on site, a certificate stating the asphaltic smoke point for the material being processed.	
Smoke Point Requirements **Smoke Point Limits** **Attachment C: Section I.B.1.b** The Permittee shall not operate the dryer burner in such a way that the temperature of the hot aggregate mixture is equal to or greater than the smoke point of the material being processed.	
Smoke Point Requirements **Monitoring and Recordkeeping Requirements** **Attachment C: Section I.B.2.a** *The Permittee shall install, operate and maintain a temperature monitoring device and shall continuously record the temperature of the hot aggregate mixture to demonstrate compliance with Condition I.B.1.b.*	
Smoke Point Requirements **Monitoring and Recordkeeping Requirements** **Attachment C: Section I.B.2.b** The Permittee shall maintain records of the temperature of the hot aggregate mixture to demonstrate compliance with the Condition I.B.1.b. These records shall be provided to the Department upon request.	
Fuel Limitations **Attachment C: Section I.C.1** The Permittee shall only burn fuels as specified in the ATO.	
Emissions Limitations & Standards **For equipment subject to NSPS requirements as indicated in the ATO** **Attachment C: Section I.D.1.a.2** *The Permittee shall not cause or allow to be discharged into the atmosphere from any equipment listed in Condition I.A.1 any plume which exhibits opacity greater than 20 percent.*	
Emissions Limitations & Standards **For equipment not subject to NSPS standards as indicated in the ATO** **Attachment C: Section I.D.1.b.2** The Permittee shall not cause, allow or permit visible emissions	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
from a source in excess of 20 percent opacity, as measured by EPA Reference Method 9.	
Air Pollution Control Requirements **Drum Dryer Baghouse/Venturi Scrubber** **Attachment C: Section I.D.2.a** *At all times, including periods of startup, shutdown, and malfunction, the Permittee shall, to the extent practicable, install, maintain, and operate a venturi scrubber or a baghouse on the drum dryer in a manner consistent with good air pollution control practice for minimizing particulate matter emissions.*	
Air Pollution Control Requirements **Cement Silo Baghouse/Dust Collector** **Attachment C: Section I.D.2.b.1** *At all times, including periods of startup, shutdown, and malfunction, the Permittee shall, to the extent practicable, install, maintain, and operate the baghouse/ dust collector on the cement/ fly ash silo in a manner consistent with good air pollution control practice for minimizing particulate matter emissions.*	
Air Pollution Control Requirements **Cement Silo Baghouse/Dust Collector** **Attachment C: Section I.D.2.b.2** *Loading of cement/ fly ash storage silos shall be conducted in such a manner that the displaced air does not by-pass the baghouse/dust collector and is not directly vented to the atmosphere.*	
Air Pollution Control Requirements **Spray Bars** **Attachment C: Section I.D.2.c** *The Permittee shall install, maintain, and operate spray bars at all times, including periods of startup, shutdown, and malfunction, to control visible emissions from screening, handling, transporting or conveying of materials, or other operations likely to result in significant amounts of airborne dust, or the material shall be adequately wet to minimize visible emissions to the extent practicable.*	
Air Pollution Control Requirements **Product Delivery System** **Attachment C: Section I.D.2.d** The Permittee shall maintain, and operate the product delivery system so as to minimize visible emissions during material transfer to trucks	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
Monitoring, Record Keeping and Reporting Requirements Baghouse **Attachment C: Section I.D.3.a.1** *If a baghouse is used to control emissions from any affected facility, the Permittee shall install, calibrate, maintain and operate a device for the continuous measurement of the pressure drop across the baghouse. The monitoring device must be certified by the manufacturer to be accurate within ± 250 pascals (± 1 inch water gauge pressure) and must be calibrated on an annual basis in accordance with manufacturer's instructions.*	
Monitoring, Record Keeping and Reporting Requirements Baghouse **Attachment C: Section I.D.3.a.3** The Permittee shall record the pressure drop across the baghouse once per day. If the pressure drop is outside the range established during the performance test, the Permittee shall take corrective action to bring this parameter within the normal range.	
Monitoring, Record Keeping and Reporting Requirements Baghouse **Attachment C: Section I.D.3.a.4** Baghouses shall be maintained in accordance with the following: • Prior to start-up, visual inspections shall be conducted on all venting ducts or lines, fittings (including dust shroud), and the blower; • Following shut-down, all pressurized systems shall be turned "off"; • All pressure and temperature gauges, flow meters, and other related instruments shall be checked daily to ensure proper functioning; any detected problems shall be corrected as soon as possible; • All ducts, hoods, framework, and housings shall be checked daily for signs of wear; • The fan motor, bearings, shaking device, reverse-jet blow rings, valves, and dampers shall be lubricated regularly and checked for wear; and • The Permittee shall maintain records which demonstrate compliance with the activities listed in Conditions I.D.3.a.(4)(a) through (e).	
Monitoring, Record Keeping and Reporting Requirements	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
Wet Scrubber **Attachment C: Section I.D.3.b.1-2** If a wet scrubber is used to control emissions from any affected facility, *the Permittee shall install, calibrate, maintain and operate the following monitoring devices:* • *A device for the continuous measurement of the pressure loss of the gas stream through the scrubber. The monitoring device must be certified by the manufacturer to be accurate within ± 250 pascals (± 1 inch water gauge pressure) and must be calibrated on an annual basis in accordance with manufacturer's instructions.* • *A device for the continuous measurement of the scrubbing liquid flow rate to the wet scrubber. The monitoring device must be certified by the manufacturer to be accurate within ± 5 percent of design scrubbing liquid flow rate and must be calibrated on an annual basis in accordance with manufacturer's instructions.*	
Monitoring, Record Keeping and Reporting Requirements **Wet Scrubber** **Attachment C: Section I.D.3.b.4** The Permittee shall record the pressure drop across the scrubber, and the scrubber liquid flow rate once per day. If any of these parameters are outside the ranges established during the most recent performance test, the Permittee shall take corrective action to bring these parameters within the normal range.	
Monitoring, Record Keeping and Reporting Requirements **Wet Suppression Systems** **Attachment C: Section I.D.3.c.1** Water sprays shall be operated and maintained in accordance with the following: • Prior to start-up, the water supply shall be checked, all nozzles shall be inspected, and all associated valves shall be opened; • Following shut-down, all nozzles shall be inspected and all associated valves shall be closed; • The spray system shall be checked daily for performance; and • All nozzles and valves shall be cleaned or replaced as needed.	
Monitoring, Record Keeping and Reporting Requirements **Water Truck**	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
Attachment C: Section I.D.3.c.2 Water trucks, or the equivalent, shall be operated and maintained in accordance with the following: • Prior to start-up, the water supply shall be checked, all nozzles shall be inspected, and all associated valves shall be opened; • Following shut-down, all nozzles shall be inspected and all associated valves shall be closed; • Safety and equipment checks shall be conducted daily; and • Normal vehicle maintenance shall be performed on a regular or "as needed" basis.	
Monitoring, Record Keeping and Reporting Requirements **Attachment C: Section I.D.3.c.3** The Permittee shall maintain records which demonstrate compliance with the activities listed in Conditions I.D.3.c.(1) and (2).	
Monitoring, Record Keeping and Reporting Requirements **Opacity** **Attachment C: Section I.D.3.d** When in operation, the Permittee shall, to demonstrate compliance with the opacity limit contained in Conditions I.D.1.a.(2) and I.D.1.b.(2), conduct weekly monitoring of visible emissions from the equipment under this Section, in accordance with Condition III.F of Attachment "B".	
Monitoring, Record Keeping and Reporting Requirements **Black light inspection for Baghouse** **Attachment C: Section I.D.3.e.1** The Permittee shall conduct periodic black light inspections on the bags contained in the drum dryer baghouse in an effort to detect broken or leaking bags. The black light inspection shall be performed every 6 months, and within 15 days after any move.	
Monitoring, Record Keeping and Reporting Requirements **Black light inspection for Baghouse** **Attachment C: Section I.D.3.e.2** If broken or leaking bags are detected, the Permittee shall repair or replace the bags as soon as practicable. Upon completion of the inspection, the Permittee shall record the name of the inspector, the date, the time, and the results of the inspection and repairs.	
Monitoring, Record Keeping and Reporting Requirements **Black light inspection for Baghouse**	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
Attachment C: Section I.D.3.e.3 If the facility is not operating, the black light inspection is not required to be performed for the duration of non-operation. Within 15 days of resumption of operation, the Permittee shall perform the black light inspection. The Permittee shall document periods of non-operation.	
Testing Requirements **Testing Requirements for NSPS affected Drum Dryer** **Attachment C: Section I.D.4.a** • If the initial performance test has not been conducted earlier, the Permittee shall, within 180 days of issuance of coverage under this permit, conduct initial performance test for particulate matter (PM) in accordance with EPA Reference Method 5 to show compliance with Conditions I.D.1.a(1). • If there is a record of initial performance test performed earlier, the Permittee shall, within 12 months of issuance coverage under this permit, conduct performance test for particulate matter (PM) in accordance with EPA Reference Method 5 from the drum dryer to show compliance with Conditions I.D.1.a.(1).	
Testing Requirements **Testing Requirements for non-NSPS Drum Dryer** **Attachment C: Section I.D.4.b** • The Permittee shall, within 12 months of issuance coverage under this permit, the Permittee shall conduct a performance test for particulate matter (PM) in accordance with EPA Reference Method 5 from the drum dryer to show compliance with Conditions I.D.1.b.(1). • If the emissions during a performance test in Conditions I.D.4.a and b are more than 75 percent of the applicable emission standard, the Permittee shall conduct a subsequent performance test between 10 and 14 months of the date of previous test. • If emissions during a performance test in Conditions I.D.4.a and b, or in any subsequent performance test in Condition I.D.4.c are less than or equal to 75 percent of the applicable emission standards, no subsequent performance test is required in the permit term.	
Recordkeeping Requirements **Attachment C: Section I.E.1** The Permittee shall maintain, on site, copies of the fuel analysis	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
supplied by the marketer for each batch of "on specification" used oil, and shall be responsible for ensuring that the results of the analyses confirm that the contaminant levels specified in Condition I.C.2 are not exceeded.	
Recordkeeping Requirements **Attachment C: Section I.E.2** The Permittee shall maintain records of the production rate of hot mix asphalt and the percentage of recycled asphalt in the aggregate.	
II. ASPHALT HEATER REQUIREMENTS This Section is applicable to asphalt heaters at hot mix asphalt production facilities and rubber mixing facilities.	
Fuel Limitations **Attachment C: Section II.B** The Permittee shall burn only those fuels that are authorized by the ATO.	
Emission Limitations and Opacity **Attachment C: Section II.C.1.c** The Permittee shall not cause, allow or permit the opacity of any plume or effluent from the asphalt heater(s) to exceed 15 percent.	
Monitoring, Recordkeeping, and Reporting Requirements **Attachment C: Section II.C.2.b** When in operation, the Permittee shall conduct monthly monitoring of visible emissions from the stack of the asphalt heaters, as specified in Condition III.F of Attachment “B”. Opacity monitoring is not required for natural gas fired asphalt heater.	
Sulfur Dioxide **Attachment C: Section II.D.1.b** While burning diesel fuel, the Permittee shall only burn ultralow sulfur fuel (sulfur content below 15 ppm by weight) in the asphalt heaters.	
Monitoring, Recordkeeping and Reporting Requirements **Attachment C: Section II.D.2** The Permittee shall keep records of fuel supplier certifications to demonstrate compliance with the sulfur content limit in Condition II.D.1.b.	
ATTACHMENT D: SPECIFIC CONDITIONS FOR CRUSHING AND SCREENING PLANTS	
II. CRUSHING AND SCREENING OPERATIONS SUBJECT TO NEW SOURCE PERFORMANCE STANDARDS (NSPS) An NSPS crushing and screening facility is defined as any combination of the following equipment that commenced construction, reconstruction, or modification after August 31, 1983:	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
Crushers; Grinding mills; Screening operations; Bucket elevators; Belt conveyors; Bagging operations; Storage bins; Enclosed truck or railcar loading stations;	
Emission Limitations and Air Pollution Control **Crusher Operations without Capture Systems** **Attachment D: Section II.C.1.a.1** *The Permittee shall not allow to be discharged into the atmosphere from any crusher which commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008, at which a capture system is not used, any fugitive emissions which exhibit visible emissions greater than 15 percent opacity.*	
Emission Limitations and Air Pollution Control **Crusher Operations without Capture Systems** **Attachment D: Section II.C.1.a.2** *The Permittee shall not allow to be discharged into the atmosphere from any crusher which commenced construction, modification, or reconstruction on or after April 22, 2008, at which a capture system is not used, any fugitive emissions which exhibit visible emissions greater than 12 percent opacity.*	
Emission Limitations and Air Pollution Control **Crusher Operations with Capture Systems and All Other Affected Facilities** **Attachment D: Section II.C.1.b.1** *The Permittee shall not allow to be discharged into the atmosphere from any grinding mill, screening operation, bucket elevator, transfer point on belt conveyors, bagging operation, storage bin, enclosed truck or railcar loading stations or any other affected facility, which commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008, any fugitive emissions (including emissions escaping capture systems) which exhibit visible emissions greater than 10 percent opacity.*	
Emission Limitations and Air Pollution Control **Crusher Operations with Capture Systems and All Other Affected Facilities** **Attachment D: Section II.C.1.b.2** *The Permittee shall not allow to be discharged into the atmosphere from any grinding mill, screening operation, bucket elevator, transfer point on belt conveyors, bagging operation, storage bin, enclosed truck or railcar loading stations or any other affected facility, which commenced construction, modification, or reconstruction on or after April 22, 2008, any fugitive emissions (including emissions escaping capture*	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
systems) which exhibit visible emissions greater than 7 percent opacity.	
Emission Limitations and Air Pollution Control **Attachment D: Section II.C.1.d** *Water spray bars or equivalent control equipment shall be used whenever the equipment is operating, or material shall be adequately wet to minimize visible emissions to the extent practical.*	
Monitoring, Reporting, and Recordkeeping Requirements **Attachment D: Section II.C.2.a** When in operation, the Permittee shall conduct monthly opacity monitoring on the equipment under this Section to which an opacity standard applies, in accordance with Condition III.F of Attachment "B".	
Monitoring, Reporting, and Recordkeeping Requirements **Attachment D: Section II.C.2.b** *The Permittee shall install, calibrate, maintain, and operate monitoring devices, or other approved methods, which can be used to determine the daily process weight of sand, gravel or crushed stone produced. The weighing devices shall have an accuracy of plus or minus 5 percent over their operating range.*	
III. CRUSHING AND SCREENING OPERATIONS SUBJECT TO EXISTING SOURCE REQUIREMENTS The provisions of this Section are applicable to primary rock crushers, secondary rock crushers, tertiary rock crushers, screens, conveyors and conveyor transfer points, stackers, reclaimers, and all gravel or crushed stone processing plants and rock storage piles, constructed or modified prior to August 31, 1983	
Emission Limitations/Standards **Opacity** **Attachment D: Section III.B.1.b** The Permittee shall not cause to be discharged into the atmosphere from any gravel or stone crushing processes any emissions greater than 20 percent.	
Air Pollution Controls **Attachment D: Section III.B.2.a** *Water spray bars or equivalent control equipment shall be used whenever the equipment is operating or material must be adequately wet to minimize visible emissions to the extent practical.*	
Air Pollution Controls **Attachment D: Section III.B.2.c** *Baghouses, or equivalent, shall be operated in accordance with vendor specifications to control emissions vented by silos during the loading operations.*	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
Air Pollution Controls **Attachment D: Section III.B.2.d** Loading of lime storage silos shall be conducted in such a manner that the displaced air does not by-pass the baghouse and will not be directly vented to the atmosphere.	
Air Pollution Controls **Attachment D: Section III.B.2.e** The baghouse shall be maintained in accordance with the following: • Prior to start-up, visual inspections shall be conducted on all venting ducts or lines, fittings (including dust shroud), and the blower; • Following shut-down, all pressurized systems shall be turned "off"; • All pressure and temperature gauges, flow meters, and other related instruments shall be checked daily to ensure proper functioning; any detected problems shall be corrected as soon as possible; • All ducts, hoods, framework, and housings shall be checked daily for signs of wear; • The fan motor, bearings, shaking device, reverse-jet blow rings, valves, and dampers shall be lubricated regularly and checked for wear; and • The Permittee shall maintain records which demonstrate compliance with the activities listed in Conditions III.B.2.e.(1) through (5).	
Wet Suppression Systems **Attachment D: Section III.B.2.g.1** Water sprays shall be operated and maintained in accordance with the following: • Prior to start-up, the water supply shall be checked, all nozzles shall be inspected, and all associated valves shall be opened; • Following shut-down, all nozzles shall be inspected and all associated valves shall be closed; • The spray system shall be checked daily for performance; and • All nozzles and valves shall be cleaned or replaced as needed.	
Wet Suppression Systems **Attachment D: Section III.B.2.g.2** Water trucks, or the equivalent, shall be operated and	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
maintained in accordance with the following: • Prior to start-up, the water supply shall be checked, all nozzles shall be inspected, and all associated valves shall be opened; • Following shut-down, all nozzles shall be inspected and all associated valves shall be closed; • Safety and equipment checks shall be conducted daily; and • Normal vehicle maintenance shall be performed on a regular or "as needed" basis.	
Wet Suppression Systems **Attachment D: Section III.B.2.h** The Permittee shall maintain records which demonstrate compliance with the activities listed in Conditions III.B.2.g.(1) and (2).	
Monitoring and Recordkeeping Requirements **Attachment D: Section III.B.3.a** When in operation, the Permittee shall conduct monthly opacity monitoring for the equipment under this Section in accordance with Condition III.F of Attachment "B".	
Monitoring and Recordkeeping Requirements **Attachment D: Section III.B.3.b** *The Permittee shall install, calibrate, maintain, and operate monitoring devices which can be used to determine daily the process weight of sand, gravel or crushed stone produced. The weighing devices shall have an accuracy of plus or minus 5 percent over their operating range.*	
Monitoring and Recordkeeping Requirements **Attachment D: Section III.B.3.c** The Permittee shall maintain logs of all maintenance activities performed on the baghouse. These logs shall include the type of maintenance activity being performed and the duration of each maintenance activity, including the date, starting time, and ending time of the maintenance activities.	
Monitoring and Recordkeeping Requirements **Attachment D: Section III.B.3.d** For each baghouse equipped with a pressure drop measuring device, the Permittee shall monitor and record once per day the pressure drop (in inches of H2O) across the baghouse. The records shall include the dates and time each reading was taken.	
Monitoring and Recordkeeping Requirements **Attachment D: Section III.B.3.e**	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
The Permittee shall maintain records of the daily production rate of gravel or crushed stone produced.	
ATTACHMENT E: SPECIFIC CONDITIONS FOR CONCRETE BATCH PLANTS	
II. CONCRETE BATCH PLANT REQUIREMENTS	
Emission Limits/Standards **Attachment E: Section II.A.1** The Permittee shall not cause to be discharged into the atmosphere from any concrete batch plant processes any plume or effluent which exhibits greater than 20 percent opacity.	
Cement / Fly Ash / Lime Silos **Attachment E: Section II.B.1.a** *Baghouses, or equivalent, shall be operated in accordance with vendor specifications to control emissions vented by silos during the loading operations.*	
Cement / Fly Ash / Lime Silos **Attachment E: Section II.B.1.b** Loading of storage silos shall be conducted in such a manner that the displaced air does not by-pass the baghouse and is not direct-vented to the atmosphere.	
Cement / Fly Ash / Lime Silos **Attachment E: Section II.B.1.c** Baghouses shall be maintained in accordance with the following: • Prior to start-up, visual inspections shall be conducted on all venting ducts or lines, fittings (including dust shroud), and the blower; • Following shut-down, all pressurized systems shall be turned "off"; • All pressure and temperature gauges, flow meters, and other related instruments shall be checked daily to ensure proper functioning; any detected problems shall be corrected as soon as possible; • All ducts, hoods, framework, and housings shall be checked daily for signs of wear; • The fan motor, bearings, shaking device, reverse-jet blow rings, valves, and dampers shall be lubricated regularly and checked for wear; and • The Permittee shall maintain records which demonstrate compliance with the activities listed in Conditions II.B.1.c.(1) through (5).	
Product Delivery System	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
Attachment E: Section II.B.2 *For truck-mix facilities, a rubber sleeve, baghouse, or equivalent, shall be installed, maintained and operated in accordance with the vendor specifications on the product delivery system to minimize visible emissions during material transfer to trucks.*	
Wet Suppression Systems **Attachment E: Section II.B.3.a** Water sprays shall be operated and maintained in accordance with the following: • Prior to start-up, the water supply shall be checked, all nozzles shall be inspected, and all associated valves shall be opened; • Following shut-down, all nozzles shall be inspected and all associated valves shall be closed; • The spray system shall be checked daily for performance; and • All nozzles and valves shall be cleaned or replaced as needed.	
Wet Suppression Systems **Attachment E: Section II.B.3.b** Water trucks, or the equivalent, shall be operated and maintained in accordance with the following: • Prior to start-up, the water supply shall be checked, all nozzles shall be inspected, and all associated valves shall be opened; • Following shut-down, all nozzles shall be inspected and all associated valves shall be closed; • Safety and equipment checks shall be conducted daily; and • Normal vehicle maintenance shall be performed on a regular or "as needed" basis.	
Wet Suppression Systems **Attachment E: Section II.B.3.c** The Permittee shall maintain records which demonstrate compliance with the activities listed in Conditions II.B.3.a and b.	
Monitoring, Recordkeeping and Reporting Requirements **Attachment E: Section II.C.1** When in operation, the Permittee shall conduct monthly opacity monitoring for the equipment under this Section in accordance with Condition III.F of Attachment "B".	
Monitoring, Recordkeeping and Reporting Requirements	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
Attachment E: Section II.C.2 The Permittee shall maintain logs of all maintenance activities performed on the baghouse. These logs shall include the type of maintenance activity being performed and the duration of each maintenance activity, including the date, starting time, and ending time of the maintenance activities.	
Monitoring, Recordkeeping and Reporting Requirements **Attachment E: Section II.C.3** For each baghouse equipped with a pressure drop measuring device, the Permittee shall monitor and record once per day the pressure drop (in inches of H2O) across the baghouse. The records shall include the dates and time each reading was taken.	
IV. REQUIREMENTS FOR BOILERS This Section is applicable to individual boilers with a maximum firing capacity of less than 10 MMBtu per hour.	
Fuel Limitations **Attachment E: Section IV.B.1** The Permittee shall burn only natural gas, liquefied petroleum gas (butane or propane), on-specification used oil, or ultra-low sulfur diesel fuel in the boiler(s), as identified on the ATO.	
Emission Limitations **Attachment E: Section IV.C.1.b** The Permittee shall not cause, allow or permit the opacity of any plume or effluent from any boiler to exceed 15 percent.	
Monitoring, Recordkeeping and Reporting Requirements **Attachment E: Section IV.C.2.b** The Permittee shall conduct monthly opacity monitoring of visible emissions emanating from the stack of the boilers, when in operation, in accordance with Condition III.F of Attachment "B". Opacity monitoring is not required for natural gas fired boilers.	
Sulfur Dioxide **Attachment E: Section IV.D.1.b** While burning diesel fuel, the Permittee shall only burn ultralow sulfur fuel (sulfur content below 15 ppm by weight) in the asphalt heaters.	
ATTACHMENT F: ADDITIONAL REQUIREMENTS FOR SOURCES OPERATING IN MARICOPA COUNTY	
I. FACILITY WIDE LIMITATION While operating in Maricopa County, the Permittee shall also comply with the conditions set forth in this Attachment.	
Operations and Maintenance (O&M) Plan Requirements	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
For Emission Control System (ECS) **Attachment F: Section I.E.1.a** The Permittee shall provide and maintain, readily available on-site at all times, (an) O&M plan(s) for any ECS, any other emission processing equipment, and any ECS monitoring devices that are used pursuant to these conditions.	
Operations and Maintenance (O&M) Plan Requirements **For Emission Control System (ECS)** **Attachment F: Section I.E.1.c** The Permittee shall comply with all identified actions and schedules provided in each O&M Plan.	
Operations and Maintenance (O&M) Plan Requirements **For Emission Control System (ECS)** **Attachment F: Section I.E.1.d** *The Permittee shall install, maintain and calibrate monitoring devices described in the O&M Plan.* The monitoring devices shall measure pressures, rates of flow, or other operating conditions necessary to determine if the control devices are functioning properly.	
Operations and Maintenance (O&M) Plan Requirements **For Dust Control Measures** **Attachment F: Section I.E.2.a** The Permittee shall provide and maintain, readily available on-site at all times, an O&M plan for equipment associated with any process fugitive emissions and fugitive dust control measures (i.e. gravel pads, wheel washers, truck washers, rumble grates, watering systems, and street sweepers) that are implemented pursuant to these conditions.	
Operations and Maintenance (O&M) Plan Requirements **For Dust Control Measures** **Attachment F: Section I.E.2.b** The Permittee shall comply with all identified actions and schedules provided in each O&M Plan.	
Monitoring and Recordkeeping Requirements **Opacity Monitoring** **Attachment F: Section I.F.1** The Permittee shall conduct a weekly monitoring of visible emissions from the single source and fugitive dust sources as per the opacity monitoring requirements specified in Condition III.F, Attachment “B”.	
Monitoring and Recordkeeping Requirements **Control and Monitoring Device Data**	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
For a Fabric Filter Baghouse **Attachment F: Section I.F.3.a** The Permittee shall keep records for all days that the facility is actively operating. The records shall include all of the following: • Date of inspection • Date and designation of bag replacement; • Date of service or maintenance related activities; and • Time, date, and cause of fabric filter	
Monitoring and Recordkeeping Requirements **Control and Monitoring Device Data** **For a scrubber** **Attachment F: Section I.F.3.b** The Permittee shall keep records for all days that the facility is actively operating. The records shall include all of the following: • Date of service or maintenance related activities; • Liquid flow rate; • Other operating parameters that need to be monitored to assure that the scrubber is functioning properly and operating within design parameters; and • Time, date, and cause of scrubber failure and/or down time, if applicable.	
Monitoring and Recordkeeping Requirements **Control and Monitoring Device Data** **For watering systems** **Attachment F: Section I.F.3.c** The Permittee shall keep records for all days that the facility is actively operating. The records shall include all of the following: • For watering systems (e.g. spray bars or an equivalent control); • Date, time, and location of each moisture sampling point; and • Results of moisture testing.	
Requirements for Soil Moisture Testing Moisture testing shall include all aggregate material less than 0.25 inches in diameter. The Permittee with a rated or permitted capacity of 25 tons or more of material per hour or with five acres or more of	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
disturbed surface area subject to a permit, whichever is greater, shall have in place a Fugitive Dust Control Technician. i. If the Permittee is required to have in place a Fugitive Dust Control Technician, then the soil moisture tests shall be conducted twice daily in accordance with the test methods as described in Condition I.D.6 of this Attachment. ii. If the Permittee is not required to have in place a Fugitive Dust Control Technician, then the soil moisture tests shall be conducted once daily in accordance with the test methods as described in Condition I.D.6 of this Attachment. iii. If the Permittee demonstrates that the 4 percent minimum moisture content is maintained for a minimum of four weeks, then soil moisture tests may be conducted weekly in accordance with the test methods as described in Condition I.G.	
Soil Moisture Testing for Watering Systems **Attachment F: Section I.G.3.a** If twice daily moisture sampling is required, such sampling shall be conducted within one of startup and again at 3pm or within one hour prior to daily shutdown but no less frequently than once every 8-hour period.	
Soil Moisture Testing for Watering Systems **Attachment F: Section I.G.3.b** If daily moisture sampling is required, such sampling shall be conducted within one hour after startup.	
Soil Moisture Testing for Watering Systems **Attachment F: Section I.G.3.c** Moisture testing shall be conducted on all crushers, shaker screens, and material transfer points (excluding wet plants). Unless prior approval from the Director is granted, moisture testing shall be conducted at the following sample points: • Within 10 feet from the point where crushed aggregate material is placed on the discharge belt conveyor from the crusher; • Within 10 feet from the point where screened aggregate material is placed on the conveyor; and • From each stacker point.	
Soil Moisture Testing for Watering Systems **Attachment F: Section I.G.3.f** Moisture testing shall include all aggregate material less than 0.25 inches in diameter.	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
II. HOT MIX ASPHALT PLANT	
Emission Limitations/Standards **Attachment F: Section II.A** The Permittee shall not discharge or cause to be discharged into the ambient air: • For non-rubberized asphaltic concrete plants, stack emissions exceeding 5 percent opacity and containing more than 0.04 gr/dscf (90 mg mg/dscm) of PM. • For rubberized asphaltic concrete plants (when producing rubberized asphalt only), stack emissions exceeding 20 percent opacity and containing more than 0.04 gr/dscf (90 mg/dscm) of PM. • Fugitive dust emissions exceeding 10 percent opacity from any affected operation or process source, excluding truck dumping.	
III. Internal Combustion Engines	
Applicability **Attachment F, Section III.A.3** An IC engine operated as a non-road IC engine is exempt from all of the requirements of this Section but shall comply with visible emissions standard in Condition I.B.	
Requirements for all engines **Opacity Standard** **Attachment F, Section III.B.2** The Permittee shall not discharge into the ambient air from any such engine any air contaminant, other than uncombined water, in excess of 20% opacity.	
IV. FUGITIVE DUST REQUIREMENTS	
Opacity **Attachment F: Section IV.A.1** For emissions that are not already regulated by opacity limit, the Permittee shall not discharge or cause or allow to be discharged into the ambient air fugitive dust emissions exceeding 20 percent opacity.	
Visible Emission Limitation beyond Property Line **Attachment F: Section IV.A.2** The Permittee shall not cause or allow fugitive dust emissions from any active operation, open storage pile, or disturbed surface area associated with such facility such that the presence of such fugitive dust emissions remain visible in the atmosphere beyond the property line of such facility.	
Open Storage Piles and Material Handling	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
Attachment F: Section V.B.1.a.1 Prior to, and/or while conducting loading and unloading operations, implement one of the following fugitive dust control measures: • Spray material with water, as necessary; or • Spray material with a dust suppressant other than water, as necessary.	
Open Storage Piles and Material Handling **Attachment F: Section V.B.1.a.2** When not conducting loading and unloading operation implement one of the following fugitive dust control measures: • Spray material with water, as necessary; • Maintain a 1.5 percent or more soil moisture content of the open storage pile(s); • Locate open storage pile(s) in a pit/in the bottom of a pit; • Arrange open storage pile(s) such that storage pile(s) of larger diameter products are on the perimeter and act as barriers to/for open storage pile(s) that could create fugitive dust emissions; • Construct and maintain wind barriers, storage silos, or a three-sided enclosure with walls, whose length is no less than equal to the length of the pile, whose distance from the pile is no more than twice the height of the pile, whose height is equal to the pile height, and whose porosity is no more than 50 percent; • Cover open storage piles with tarps, plastic, or other material to prevent wind from removing the coverings.	
Open Storage Piles and Material Handling **Attachment F: Section V.B.1.a.3** When installing new open storage pile(s) at an existing facility and/or when installing new open storage pile(s) at a new facility, the Permittee shall implement all of the following fugitive dust control measures only if it is determined to be feasible on a case-by-case basis through the Dust Control Plan by assessing the amount of open land available at the property at the time the new open storage pile(s) are formed: • Install the open storage pile(s) at least 25 feet from the property line; and • Limit the height of the open storage pile(s) to less than 45 feet.	
Trackout for ≥ 60 trucks **Rumble Grate and Wheel Washer**	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
Attachment F: Section V.B.1.f.1 The Permittee of a new permanent facility and the Permittee of an existing permanent facility with a minimum of 60 aggregate trucks, mixer trucks, and/or batch trucks exiting a facility on any day onto paved public roadways/paved areas accessible to the public shall install, maintain, and use a rumble grate and wheel washer.	
Trackout for ≤ 60 trucks **Rumble Grate, Wheel Washer, or Truck Washer** **Attachment F: Section V.B.1.f.2.a** The Permittee not subject to Condition V.B.1.f.(1) shall install, maintain, and use a rumble grate, wheel washer, or truck washer.	
Trackout Distance **Attachment F: Section V.B.1.f.4** The Permittee shall not allow trackout to extend a cumulative distance of 25 linear feet or more from all facility exits onto paved areas accessible to the public. Notwithstanding the proceeding, the Permittee shall clean up all other trackout at the end of the workday.	
Cleaning Paved Roads Identified in the Dust Control Plan **Attachment F: Section V.B.1.f.5.a** If the Permittee has a minimum of 60 aggregate trucks, mixer trucks, and/or batch trucks exiting the facility on any day then the Permittee shall sweep the paved roads with a street sweeper by the end of each production work shift, if there is evidence of dirt and/or other bulk material extending a cumulative distance of 12 linear feet or more on any paved road.	
Cleaning Paved Roads Identified in the Dust Control Plan **Attachment F: Section V.B.1.f.5.b** The Permittee with less than 60 aggregate trucks, mixer trucks, and/or batch trucks exiting the facility on any day shall sweep the paved roads with a street sweeper by the end of every other work day. On the days that paved roads are not swept, The Permittee shall apply water on at least 100 feet of internal roads or the entire length of paved roads leading to an exit to paved public roadways/paved areas accessible to the public, if such roadways are less than 100 feet long.	
Fugitive Dust Control Technician **Attachment F: Section IV.C.1** The Permittee with a rated or permitted capacity of 25 tons or more of material per hour or with five acres or more of	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
disturbed surface area subject to a permit, whichever is greater, shall have in place a Fugitive Dust Control Technician.	
Basic Dust Control Training Class **Attachment F: Section IV.C.2.a** At least once every three years, the site superintendent or other designated on-site representative of the Permittee, if present at a site that has more than one acre of disturbed surface area that is subject to a permit issued by the Director requiring control of PM10 emissions from dust generating operation, shall successfully complete a Basic Dust Control Training Class conducted or approved by the Director.	
Basic Dust Control Class **Attachment F: Section IV.C.2.b** At least once every three years, water truck and water-pull drivers shall successfully complete a Basic Dust Control Training Class conducted or approved by the Director.	
Basic Dust Control Class Records **Attachment F: Section IV.C.2.d** The Permittee shall compile, maintain, and retain a written record for each employee subject to the Basic Dust Control Training Class. Such written records shall include the name of the employee, the date of the Basic Dust Control Training class that such employee successfully completed, and the name of the agency/representative who conducted the class.	
Dust Control Plan **Attachment F: Section IV.C.3.a** The Permittee shall submit, to the Director, a Dust Control Plan that describes all fugitive dust control measures to be implemented, in order to comply with this permit.	
Dust Control Plan Records **Attachment F: Section IV.C.3.g** The Permittee shall compile, maintain, and retain a written record of self-inspection of all fugitive dust control measures implemented, in order to comply with the Dust Control Plan, on each day that the facility is actively operating. Self-inspection records shall include information as described in Rule 310 of the Maricopa County Rules.	
Facility Information Sign **Attachment F: Section IV.C.5** The Permittee shall erect and maintain a facility information sign at the main entrance such that members of the public can easily view and read the sign at all times. Such sign shall have a	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
white background, have black block lettering that is at least four inches high, and shall contain at least all of the following information: • Facility name and Permittee's name; • Current number of the air quality permit or of authority to operate under a general permit; • Name and local phone number of the person(s) responsible for dust control matters; and • Text stating: "Dust Complaints? Call Maricopa County Air Quality Department – (602) 372-2703, or the Arizona Department Of Environmental quality at (602) 771-2286."	
ATTACHMENT H: ADDITIONAL REQUIREMENTS FOR SOURCES OPERATING IN PINAL COUNTY While operating in Pinal County, the Permittee shall comply with the conditions set forth in this Attachment.	
III. FUGITIVE DUST EMISSIONS REQUIREMENTS	
Additional Requirements for West Pinal County PM10 Nonattainment area **Attachment H: Section III.B.1** The Permittee shall not cause or allow visible fugitive dust emissions from open areas/vacant lots (areas not currently utilized for an activity) to exceed 20% opacity based on EPA Method 9 or the continuous plume or intermittent plume methods listed in PCAQCD Code §4-9-340.	
Additional Requirements for West Pinal County PM10 Nonattainment area **Attachment H: Section III.B.3** The Permittee shall stabilize any open area / vacant lot greater than 1.0 acre that has 0.5 acre or more of disturbed surface and sign up for the Pinal County Dust Control forecast within 30 days of discovery. The open area / vacant lot shall be stabilized the day leading up to and the day that is forecast to be high risk for dust emissions.	
Additional Requirements for West Pinal County PM10 Nonattainment area **Attachment H: Section III.B.6** The Permittee shall not cause or allow visible fugitive dust emissions from unpaved lots (areas being utilized for an activity) greater than 5000 square feet to exceed 20% opacity based on EPA Method 9 or the continuous plume or intermittent plume methods listed in PCAQCD Code §4-9-340.	
Additional Requirements for West Pinal County PM10 Nonattainment area **Attachment H: Section III.B.9**	

Requirements from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
The Permittee shall clean up trackout on a paved public roadway that exceeds 50 feet within 24 hours of discovery and limit opacity to 20% or less while using a rotary brush or broom.	