



General Permit for Crushing and Screening Plants Inspection Checklist

#	Requirement from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
Attachment A: General Provisions		
1	General Permit or certificate posted and is clearly visible and accessible. Att. A, Sec. IV. A	
2	Equipment issued an ATO must be clearly marked with a) the current permit number and ATO number or b) a serial number or other equipment number that is also listed in the ATO. Att. A, Sec. IV.B.1	
3	Equipment not issued an ATO, but covered by this GP, must be clearly marked with a) the current permit number or b) a serial number or other equipment number that is also listed in the permit application. Att. A, Sec. IV.B.2	
4	Copy of G.P. and ATOs on site. Att. A, Sec. IV.C	
Attachment B: Specific Crushing & Screening Plant Requirements		
5	Operates the equipment identified in the ATO within the number of hours on the ATO. Att. B, Sec. III.A.1	
6	Operates and maintains all equipment in accordance with manufacturer's specifications Att. B, Sec. III.A.2	
7	Certified Method 9 observer on-site, or on-call. Att. B, Sec. III.A.3	
8	Equipment from other C&S facilities owned by the Permittee and covered by a GP, co-located only after re-calculating emissions for the updated equipment configuration. Att. B, Sec. III.A.4	
9	ATO revision requests submitted based on the change in the hours of operation due to updated emission calculations. Att. B, Sec. III.A.4	
10	Follows "Prohibition and Limited Coverage in Non-Attainment Areas" restrictions. Att. B, Sec. III.B	
PM10 Attainment Area Throughput Limitations		
11	Operates the C&S plant such that the throughput does not exceed 6,500 tons per day (tpd). Att. B, Sec. III.C.1	
12	Operates the co-located CBP such that the throughput does not exceed 1,275 cubic yards per day (yd ³ /day). Att. B, Sec. III.C.2y	
13	Standalone C&S (No Co-location of CBP). Operates the C&S plant equipment such that the throughput does not exceed 4,410 tons per day (tpd). Att. B, Sec. III.D.1	
14	C&S Plant with Co-located CBP Operates the C&S plant equipment such that the throughput does not exceed 4,095 tons per day (tpd). Att. B, Sec. III.D.2.a	
15	Operates the concrete batch plant equipment such that the throughput does not exceed 1,275 cubic yards per day (yd ³ /day). Att. B, Sec. III.D.2.b	
16	Familiar with non-attainment areas in Pinal, Santa Cruz, Gila, Pima, Yuma, Cochise, & all Maricopa counties. Att. B, Sec. III.D.3.	
17	A certified Method 9 observer conducts monthly visual survey of visible emissions from the process sources. Att. B, Sec. III.E	

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18	As part of conducting visual survey, if no visible emissions observed on an instantaneous basis exceeding the opacity std., keeps record of the name of the observer, the date on which the observation was made, and the results of the survey. Att. B, Sec. III.E.1	
19	As part of conducting visual survey, if visible emission appears to exceed applicable opacity std., performs Method 9 observation. If the six-minute opacity of the visible emission is < applicable opacity standard, makes a record of the date and time of the observation, name of the observer, and the results of the Method 9 observation. Att. B, Sec. III.E.2	
20	As part of conducting visual survey, if the six-minute opacity of the visible emission > applicable opacity standard, adjusts the controls or equipment to reduce opacity to below the applicable standard. Keeps record of the date and time of the observation, name of the observer, the results of the Method 9 observation, and records of any corrective action taken. Reports this as an excess emission under Condition XI.A of Attachment "A". Att. B, Sec. III.E.3	
21	Maintains daily, monthly, and rolling 12-month total records of the operating hours of the equipment covered under this GP subject to an hourly restriction. Att. B, Sec. III.F.1	
22	Maintains records of the total daily throughput of material, in tons per day, processed by the C&S. Att. B, Sec. III.F.2	
23	Submits reports of all monitoring, recordkeeping, and testing activities required by Attachments B, C, D, & E with compliance certifications. Att. B, Sec. III.F.4	
24	Keeps a logbook of the updated emission calculations required by Condition III.A.4 of this Section, and has it available for inspectors upon request. Att. B, Sec. III.F.5	
Crushing & Screening Operations-NSPS		
25	A notice was furnished to the Director for all new facilities previously not permitted. Att. B, Sec. IV.B.1.a	
26	A notice of the actual date of initial startup of a permitted facility was furnished to the Director within 15 days after such date. Att. B, Sec. IV.B.1.b	
27	Notified the director of any physical or operational change to the facility which may have increased the emission rate of any air pollutant to which a standard applies. Att. B, Sec. IV.B.2.a	
28	This notice described the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and expected completion date. Att. B, Sec. IV.B.2.b	
29	The director was notified of the actual date of initial startup of each affected facility. Att. B, Sec. IV.B.2.c	
Particulate Matter and Opacity		
30	Operates crusher without a capture, such that any fugitive emissions <15 % opacity. (crusher which commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008). Att. B, Sec.IV.C.1.a.i	

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31	Operates crusher without a capture system such that any fugitive emissions <12%t opacity (crusher which commenced construction, modification, or reconstruction on or after April 22, 2008). Att. B, Sec.IV.C.1.a.ii	
32	Operates 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 with any fugitive emissions < 10% opacity (equipment which commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008). Att. B, Sec.IV.C.1.b.i	
33	Operates 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 with any fugitive emissions < 7% opacity.(equipment which commenced construction, modification, or reconstruction on or after April 22, 2008). Att. B, Sec.IV.C.1.b.ii	
34	Stack emissions contain PM <0.05 grams/dscm (0.022 grain /dscf (facility which commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008). Att. B, Sec.IV.C.1.b.iii	
35	Stack emissions contain PM< 0.032 grams / dscm (0.014 grains /dscf (facility which commenced construction, modification, or reconstruction on or after April 22, 2008). Att. B, Sec.IV.C.1.b.iv	
36	Dry control device stack emissions <7% opacity from any facility (facility which commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008). Att. B, Sec.IV.C.1.b,v	
37	Dry control device stack emissions <7% opacity from any individual enclosed storage bin, (facility which commenced construction, modification, or reconstruction on or after April 22, 2008). Att. B, Sec.IV.C.1.b,vi	
38	A baghouse controlling emissions from only an individual, enclosed storage bin meets the applicable opacity limits of 7% opacity. (This baghouse is exempt from the stack particulate matter limits of Condition IV.C.1.b.iii and IV.C.1.b.iv). Att. B, Sec.IV.C.1.b,vii	
39	If any transfer point on a conveyor belt or any other affected facility is enclosed in a building, then each enclosed affected facility shall comply with opacity limit of < 15% or of < 10% or < 7% or < stack emissions containing < 0.022 grains/dscf or < 0.014 grains/dscf, depending on construction, modification or reconstruction date. Att. B, Sec.IV.C.1.c	
40	The building enclosing the affected facility or facilities complied with the fugitive emissions limit of < 7% opacity from the building openings (except for vents). Att. B, Sec.IV.C.1.c.i	
41	PM emissions < 0.022 grains/ dscf or < 7% opacity (facility which commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008). Att. B, Sec.IV.C.1.c.ii	

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42	The vents of the building of any affected facility complied with PM emissions < 0.014 grains/dscf (facility which commenced construction, modification, or reconstruction on or after April 22, 2008). Att. B, Sec.IV.C.1.c.iii	
43	When the equipment is operating, water spray bars or equivalent control equipment is used or material is adequately wet to minimize visible emissions. Att. B, Sec.IV.C.1.d	
44	Monthly opacity monitoring on all affected facilities to which an opacity standard applies, conducted in accordance with Condition III.E of Attachment "B". Att. B, Sec.IV.C.2.a	
45	Have Installed, calibrated, maintained, and operates monitoring devices, or other approved methods, 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) Att. B, Sec.IV.C.2.b	
46	If a wet scrubber is installed to control emissions from any affected facility, then 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 device is certified by the manufacturer to be accurate within ± 250 pascals (± 1 inch water gauge pressure) and is calibrated on an annual basis in accordance with manufacturer's instructions. Att. B, Sec.IV.C.2.c.i	
47	Device for the continuous measurement of the scrubbing liquid flow rate to the wet scrubber. The device is certified by the manufacturer to be accurate within $\pm 5\%$ of design scrubbing liquid flow rate. Calibrated on an annual basis in accordance with manufacturer's instructions. Att. B, Sec.IV.C.2.c.	
48	Performs monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system (affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008). Att. B, Sec.IV.C.2.d	
49	Initiates corrective action within 24 hours and complete corrective action as expediently as practical if water is not flowing properly during an inspection of the water spray nozzles. Records each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under Condition IV.C.2.j. Att. B, Sec.IV.C.2.d	
50	Conducts periodic inspections of the upstream water spray(s) responsible for controlling fugitive emissions from the affected facility. (These inspections shall be conducted according to this Condition IV.C.2.d and Condition IV.C.2.j). Att. B, Sec.IV.C.2.d.i.a	
51	Designates which upstream water spray(s) will be periodically inspected at the time of the initial performance test required by 40 CFR 60.11 and Condition IV.C.3. Att. B, Sec.IV.C.2.d.i.b	
52	Logbook entry specifies the control mechanism being used if instead of routine use of wet suppression water sprays to reduce fugitive emissions. Att. B, Sec.IV.C.2.d.ii	

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53	If a baghouse is used to control emissions from any affected facility, a 30-min visible emissions inspections using method 22 is conducted quarterly while the baghouse is operating. (Test successful if no visible emissions observed) (affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008). Att. B, Sec.IV.C.2.e	
54	If visible emissions observed, a corrective action initiated within 24 hrs. Record each method 22, including the date and corrective action taken in a logbook required under Condition IV.C.2.j. Att. B, Sec.IV.C.2.e	
55	Has established a different baghouse-specific success level for the visible emissions test by conducting a PM performance test in accordance with Method 5/ 17 simultaneously with a Method 22 test to determine what constitutes normal visible emissions from the baghouse when it is in compliance with the applicable PM limit. The revised visible emissions success level was incorporated into the ATO for the equipment. Att. B, Sec.IV.C.2.e	
56	Instead of periodic Method 22 visible emissions inspections, the affected facility has installed, operates, and maintains the bag leak detection system. Att. B, Sec.IV.C.2.f	
57	Bag leak detection system is certified by the manufacturer to be capable of detecting PM emissions at concentrations of 1 mg/dscm (0.00044 grains/dscf) or less. Att. B, Sec.IV.C.2.f.i.a	
58	The bag leak detection system sensor provides output of relative PM loadings. The output from the bag leak detection system is continuously recorded using electronic or other means (e.g. using a strip chart recorder or a data logger). Att. B, Sec.IV.C.2.f.i.b	
59	The bag leak detection system has an alarm system that sounds when the system detects an increase in relative particulate loading greater then alarm set point established according to Condition IV.C.2.f.i (d) below. The alarm is located such that it can be heard by the appropriate plant personnel. Att. B, Sec.IV.C.2.f.i.c	
60	In the initial adjustment of the bag leak detection system at a minimum, the baseline output was established by adjusting the sensitivity (range), the averaging period of the device, the alarm set points, and the alarm delay time. Att. B, Sec.IV.C.2.f.i.d	
61	After initial adjustment, the Permittee did not adjust the averaging period, alarm set point, or alarm delay time without approval from the Director except as provided in Condition IV.C.2.f.i (f) below. Att. B, Sec.IV.C.2.f.i.e	
62	The sensitivity of the bag leak detection system was adjusted once per quarter to account for seasonal effects, including temperature and humidity, according to the procedures identified in the site-specific monitoring plan required by Condition IV.C.2.f.ii. Att. B, Sec.IV.C.2.f.i.f	
63	Installed the bag leak detection sensor downstream of the fabric filter. Att. , Sec.IV.C.2.f.i.g	
64	System's instrumentation and alarm are shared among multiple detectors. Att. B, Sec.IV.C.2.f.i.h	

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65	Written site-specific monitoring plan for each bag leak detection system. Operates and maintains the bag leak detection system according to the site-specific monitoring plan at all times. Att. B, Sec.IV.C.2.f.ii	
66	The monitoring plan should describe the installation, initial and periodic adjustment, establishing the alarm set-point, operation including quality assurance procedures, recording output, maintenance schedule, corrective action procedures and spare parts inventory of the bag leak detection system. Att. B, Sec.IV.C.2.f.ii.(a – f)	
67	For each bag leak detection system - initiated procedures to determine the cause of every alarm within 1 hour of the alarm. Att. B, Sec.IV.C.2.f.iii	
68	Has alleviated the cause of the alarm within 3 hours of the alarm by taking whatever corrective action(s) are necessary. Att. B, Sec.IV.C.2.f.iii Corrective actions may include inspecting the fabric filter for air leaks, torn or broken bags, sealing off defective bags, replacing defective bags or filter media, cleaning the bag leak detection system probe or otherwise repairing the bag leak detection system or otherwise repairing the control device or any other condition that may cause an increase in PM emissions. Att. B, Sec.IV.C.2.f.iii.(a – f)	
69	Reports any wet material processing operation that processes saturated material and subsequently processes unsaturated materials within 30 days following such change. (At the time of such change, this screening operation, bucket elevator, or belt conveyor becomes subject to the applicable opacity limits and the emission test requirements of 40 CFR 60.11.) Att. B, Sec.IV.C.2.f.iii.g	
70	During the initial performance test of a wet scrubber and daily thereafter, records the measurements of both the change in pressure of the gas stream across the scrubber and the scrubbing liquid flow rate. Att. B, Sec.IV.C.2.f.iii.h.i	
71	Submits semiannual reports of occurrences when the measurements of the scrubber pressure loss (or gain) and liquid flow rate decrease by more than 30 % from the averaged determined during the most recent performance test. Att. B, Sec.IV.C.2.f.iii.h.ii	
72	Reports required under Condition IV.C.2.h.ii, above, are postmarked within 30 days following end of the second and fourth calendar quarters. Att. B, Sec.IV.C.2.f.iii.h.ii	
73	Submits written reports of the results of all performance tests conducted to demonstrate compliance, including reports of opacity observations made using Method 9 to demonstrate compliance with Condition IV.C.1. Att. B, Sec.IV.C.2.f.iii.i	

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74	Records each periodic inspection required under Conditions IV.C.2.d or IV.C.2.e, including dates and any corrective actions taken, in a logbook (in written or electronic format). Keeps the logbook onsite and makes hard or electronic copies (whichever is requested) of the logbook available to the Director upon request (affected facilities for which construction, modification, or reconstruction commenced on or after April 22, 2008). Att. B, Sec.IV.C.2.f.iii.j	
75	For each bag leak detection system installed and operated according to Condition IV.C.2.f, keeps records of bag leak detection system output, adjustments, initial & final settings, alarms, cause of alarms, time actions taken, the date and time the cause of the alarm was alleviated, procedures to determine the cause of the alarm were initiated, the and whether the cause of the alarm was alleviated within 3 hours of the alarm. Att. B, Sec.IV.C.2.f.iii.k.(i-iii)	
76	Initial test conducted. If not, conduct initial performance test according to 40CFR60.8 and the test methods and procedures of Condition IV.C.3 , to demonstrate initial compliance with applicable opacity and PM limits for stack emissions in conditions IV.C.1.b.iii, IV.C.1.b.iv, IV.C.1.b.v, IV.C.1.b.vi, IV.C.1.b.vii, IV.C.1.c.i, IV.C.1.c.ii, and IV.C.1.c.iii. (Affected facilities controlled by wet scrubbers are exempt from opacity testing). Att. B, Sec.IV.C.3.a.i	
77	Determines compliance with the PM standards using Method 5 or Method 17. Att. B, Sec.IV.C.3.b.i	
78	Uses Method 9 to determine opacity. Att. B, Sec.IV.C.3.b.ii	
79	Uses Method 9 and the procedures in 40 CFR 60.11to determine compliance with the particulate matter standards in Condition IV.C.1.a.i, IV.C.1.a.ii, IV.C.1.b.i, IV.C.1.b.ii, or IV.C.1.c.i Att. B, Sec.IV.C.3.c	
80	Uses Method 9 with 1 hr durations to determine opacity of stack emissions from any baghouse controlling emissions only from an individual enclosed storage bin. Att. B, Sec.IV.C.3.d	
81	Uses Method 9 for 30 min durations to determine compliance with fugitive emission standards. Att. B, Sec.IV.C.3.f	
82	Uses Method 9 & Method 22 to demonstrate compliance with the fugitive emission limits for buildings. Att. B, Sec.IV.C.3.g	
83	List any alternatives to the reference methods and procedures used, e.g. Method 5I, Method 2 etc. Att. B, Sec.IV.C.3.h	
Crushing & Screening Operations – Non-NSPS		
84	For process wt. rate < 60000 lbs/ hr (30tph), no permit emissions limits/ standards exceed the amount calculated by process wt. rate eqn. $E=4.10P^{0.67}$. Att. B, Sec.V.B.1.a.i	
85	For process wt. rate > 60000 lbs/ hr (30tph), no permit emissions limits/ standards to exceed the amount calculated by process wt. rate eqn. $E=55.0P^{0.11} - 40$. Att. B, Sec.V.B.1.a.ii	
86	No emissions > 20% opacity from any gravel/ stone crushing processes. Att. B, Sec.V.B.1.b	

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87	Uses water spray bars to minimize visible emissions. Att. B, Sec.V.B.2.a	
88	Spray bar pollution control is utilized in accordance with "EPA Control of Air Emissions From Process Operations in the Rock Crushing Industry" (EPA 340/1-79-002), and "Wet Suppression System" (pages 15-34, amended as of January, 1979 (and no future amendments or editions)). Att. B, Sec.V.B.2.b	
89	Maintains and operates a baghouse or wet scrubber on the lime silo at all times, including periods of startup, shutdown and malfunction for minimizing emissions. Att. B, Sec.V.B.2.c	
90	Loads the lime storage silos such that the displaced air does not bypass the baghouse. Att. B, Sec.V.B.2.d	
91	Conducts monthly opacity monitoring in accordance with Condition III.E of Attachment "B". Att. B, Sec.V.B.3.a	
92	Has installed, calibrated, maintains, and operates monitoring devices to determine daily the process weight of sand, gravel or crushed stone produced. These weighing devices have an accuracy of +/- 5 % over their operating range. Att. B, Sec.V.B.3.b	
93	Maintains records of the daily production rate of gravel or crushed stone produced. Att. B, Sec.V.B.3.c	
VI. INTERNAL COMBUSTION ENGINES		
94	Maintains logs of date 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. Att. B, Sec.VI.A.1.a	
95	Burns fuels allowed by the ATO(s) in the I.C. engines. Att. B, Sec.VI.A.1.b	
Engines Subject to State Regulations (Non-NSPS)		
96	No PM emissions > amount calculated by $E = 1.02 Q^{0.769}$. Did from the generator stack(s). Att. B, Sec.VI.B.1.a.i	
97	Smoke for any period >10 consecutive seconds, opacity '40% from any stationary rotating machinery. Att. B, Sec.VI.B.1.a.iii	
98	Conducts monthly opacity monitoring on each generator. Att. B, Sec.VI.B.1.b.i	
99	Keeps records of fuel supplier certifications, containing the name of fuel supplier and lower heating value of the fuel. These records are available upon request. Att. B, Sec.VI.B.1.b.ii	
100	Does not emit > 1.0 pound of sulfur dioxide per million Btu heat input. Att. B, Sec.VI.B.2.a.i	
101	Burns ultra low sulfur fuel (sulfur content below 15 ppm by weight) in the generator(s). Att. B, Sec.VI.B.2.a.ii	
102	Keep daily records of the sulfur content and lower heating value of the fuel, fuel supplier certifications, sulfur content of the fuel, and the method used to determine the sulfur content of the fuel being fired in the generator(s). These records are available upon request. Att. B, Sec.VI.B.2.b.i	

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103	Reports any daily period during which the sulfur content of the fuel being fired in the machine > 15 ppm by weight. Att. B, Sec.VI.B.2.b.ii	
Compression Ignition Engines Subject to NSPS		
104	Met the timelines for installing or importing previous model year CI ICE set forth in 40 CFR 60.4208. Att. B, Sec.VI.C.2.a	
105	Operates and maintains the CI ICE and the control device as per manufacturer's emission-related written instructions. Att. B, Sec.VI.C.2.b.i & ii	
106	Meets the applicable requirements of 40 CFR Part 89, 94 and 1068. Att. B, Sec.VI.C.2.b.iii	
107	Operates stationary CI ICE using diesel fuel that meets the requirements of non road diesel fuel listed in 40 CFR 80.510.b. Att. B, Sec.VI.C.2.c	
108	When operating a non-emergency CI ICE, complies with the emission standards listed in the corresponding applicable regulations as stated in Table 1. Att. B, Sec.VI.C.3.a	
109	When operating a non-emergency stationary CI ICE with displacement of < 30 liters/ cylinder conducts performance tests in-use & meets the not-to-exceed (NTE) standards as indicated in 40 CFR 60.4212. Att. B, Sec.VI.C.3.b	
110	When operating a modified or reconstructed non-emergency stationary CI ICE, complies with the emission standards listed in the corresponding applicable regulations as stated in Table 1. Att. B, Sec.VI.C.3.c	
111	When operating a pre-2007 model year stationary CI ICE and complying with the emission standards specified in Table 1, compliance is determined by one of the methods. Engine installed configures according to manufacturer's specifications, keeps records of performance test results, keeps records of engine manufacturer data indicating compliance with the standards or keeps records of control device vendor data indicating compliance with the standards. Att. B, Sec.VI.C.4.b.(i – iv)	
112	When operating a 2007 model year and later stationary CI ICE and complying with the emission standards specified in Table 1 above, shall demonstrate compliance by purchasing an engine certified to the emission standards in Table 1 above. The engine must be installed and configured according to the manufacturer's specifications. Att. B, Sec.VI.C.4.c	
113	For non-certified ICE > 10 liters/cylinder or pre-2007 ICE > 130 KW (175 hp), has records of maintenance conducted & documentation from the manufacturer that the engine meets the emission standards. Att. B, Sec.VI.C.5.a	
114	For operating a certified CI ICE, has documentation from the manufacturer that the engine is certified to meet the emission standards. Att. B, Sec.VI.C.5.b	
NSPS Requirements for Stationary Spark Ignition Engines		
115	Follows all the applicable requirements set forth in 40 CFR 60 Subpart JJJ. Att. B, Sec.VI.C.5.D	

#	Requirement from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
NESHAP Requirements for Generators		
116	Shall comply with the applicable emission and operating requirements for this Section by May 3, 2013 for existing compression ignition engines, and by October 19, 2013 for existing spark ignition engines. Att. B, Sec.VI.C.5.E	
Applicability of the Collocated Concrete Batch Plant		
117	Opacity from any concrete batch plant processes < 20%. Att. B, Sec.VII.B.1.a	
118	To control fugitive dust emissions, has employed reasonable precaution such as approved dust suppressant, adhesive soil stabilizer, paving, covering, landscaping, continuous wetting, detouring, barring access, spray bars, wetting agents to prevent excessive amounts of PM from becoming airborne. Att. B, Sec.VII.B.1.b	
119	A baghouse or equivalent is installed, operated and maintained to control emissions from cement/fly ash storage silos during the loading of cement or fly ash in accordance with vendor specifications or self developed and implemented procedures. A copy of the vendor specifications or the operation and maintenance plan is on site and is available upon request. Att. B, Sec.VII.B.2.a.i.a	
120	While loading cement / fly ash storage silos the displaced air does not by-pass the baghouse. Att. B, Sec.VII.B.2.a.i.b	
121	A rubber sleeve, baghouse, or equivalent, is installed and maintained on the product delivery system to minimize visible emissions during material transfer to trucks for truck-mix facilities. Att. B, Sec.VII.B.2.a.ii.a	
122	The rubber sleeve, baghouse, or equivalent, is operated and maintained in accordance with the vendor specifications or self developed and implemented procedures. A copy of the vendor specifications or the operation and maintenance plan is kept on site and available upon request. Att. B, Sec.VII.B.2.a.ii.b	
123	Wet suppression systems are operated and maintained in accordance with vendor specifications or self developed and implemented procedures to control associated emission activities. A copy of the vendor specifications or the operation and maintenance plan is kept on site and is upon request. Att. B, Sec.VII.B.2.a.iii	
124	Conducts monthly opacity monitoring in accordance with Condition III.E of Attachment "B". Att. B, Sec.VII.B.3	
WASH PLANT REQUIREMENTS		
125	If operating a wash plant, the process materials are completely saturated with water. Att. B, Sec.VIII.	
BOILERS		
126	Burns only natural gas, liquefied petroleum gas (butane or propane), on-specification used oil, or fuel oil in the boiler(s), as identified on the ATO(s). Att. B, Sec.IX.B	

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127	If authorized to burn "on specification" used oil, or fuel oil in the ATO, uses only used oil analyzed and certified by the marketer (oil supplier) to be "on specification, the flash point shall be at least 100°F & As < 5ppm, Cd , 2ppm, Cl , 10ppm, Pb < 100 ppm, Pcb's < 2 ppm & Halogens < 1000 ppm. Att. B, Sec.IX.B.1	
128	Maintains copies of the fuel analysis supplied by the marketer for each batch of on specification used oil. Att. B, Sec.IX.B.2	
129	Discharge from the generator stack(s) PM < amount calculated by E = 1.02 Q 0.769. Att. B, Sec.IX.C.1	
130	Records of fuel supplier certifications, containing the name of fuel supplier, lower heating value of the fuel. These records are available upon request. Att. B, Sec.IX.C.2	
131	Plume or effluent from boiler with opacity < 15%. Att. B, Sec.IX.D.1	
132	Reported all six-minute periods when opacity of any plume or effluent >15 %. Att. B, Sec.IX.D.2.a	
133	Conducts monthly opacity monitoring of visible emissions emanating from the stack of the boiler. Att. B, Sec.IX.D.2.b	
134	Does not burn high sulfur fuel oil (containing 0.90 percent or more by weight of sulfur) in the boiler. Att. B, Sec.IX.E.1.a	
135	Using low-sulfur fuel oil (less than 15 ppm by weight), did not cause, allow, or permit emissions > 1.0 pounds of sulfur dioxide/ MMBtu heat input. Att. B, Sec.IX.E.1.b	
136	Records of fuel supplier certifications to demonstrate Low-sulfur (less than 0.9 percent by weight) fuel oil. The certification shows the sulfur content and the method used to determine the sulfur content of fuel. These records are available upon request. Att. B, Sec.IX.E.2	
Hazardous Air Pollutants – Oil-Fired Boilers Compliance by March 21, 2012.		
137	Operates and maintains the boiler, including associated air pollution control equipment and monitoring equipment safely and practices good air pollution control for minimizing emissions. Att. B, Sec.IX.E.3.a	
138	If operating an existing boiler, conducts a boiler tune-up according to the procedures stated in Condition IX.F.3.c no later than March 21, 2012 and according to the applicable provisions in 63.7(a.2). Att. B, Sec.IX.E.3.b.i.a	
139	Subsequent tune-ups conducted biennially and no more than 25 months after the previous tune-up. Att. B, Sec.IX.E.3.b.i.b	
140	If operating a new boiler, conducted an initial boiler tune-up according to the procedures stated in Condition IX.F.3.c within 180 calendar days after startup of the affected facility. Att. B, Sec.IX.E.3.b.ii.a	
141	Tune-ups conducted biennially and no more than 25 months after the initial tune-up. Att. B, Sec.IX.E.3.b.ii.b	

#	Requirement from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
142	In order to complete a tune up, inspects the burner, cleans or replaces any components of the burner as necessary, inspects the flame pattern, and adjusts the burner as necessary to optimize the flame pattern, inspect the system controlling the air-to-fuel ratio, and ensures that it is correctly calibrated and functioning properly, optimizes total emissions of carbon monoxide, measures the concentrations in the effluent stream of carbon monoxide in ppm, by volume, and oxygen in volume %, before and after the adjustments are made. Att. B, Sec.IX.E.3.c. (i -iv)	
143	Measures the concentrations in the effluent stream of carbon monoxide in ppm, by volume, and oxygen in volume %, before and after the adjustments are made. Att. B, Sec.IX.E.3.c. v	
144	Maintains onsite and submits biennial reports, containing concentrations of CO in the effluent stream in ppm, by volume, and oxygen in volume %, measured before and after the tune-up of the boiler; including description of any corrective actions taken as a part of the tune-up of the boiler and the type and amount of fuel used over the 12 months prior to the biennial tune-up of the boiler. Att. B, Sec.IX.E.3.c.vi.a, b, c	
145	If unit is not operational on the required date for a tune-up, the tune-up must be conducted within one week of startup. Att. B, Sec.IX.E.3.c. vii	
146	Records identifying each boiler, the date and procedures followed for the tune-up and the manufacturer's specifications to which the boiler was tuned; has records documenting the fuel type(s) used monthly by each boiler, including, but not limited to, a description of the fuel and the total fuel usage amount with units of measure. Att. B, Sec.IX.E.4.a.i, ii	
Direct Fired Fuel Burning Equipment		
147	Burns only natural gas or liquefied petroleum gas (butane or propane) in the direct-fired equipment, per ATO(s). Att. B, Sec.X.B	
148	PM emissions, in any 1 hour, from direct-fired equipment are limited by the amounts calculated by one of the following equations: process weight rate of < 60000 lbs/ hr (30tph) $E = 4.10 P^{0.67}$ process weight rate of > 60000 lbs/hr (30tph) $E = 55.0 P^{0.11} - 40$. Att. B, Sec.X.C.1.a, b	
149	Opacity of any plume < 20%. Att. B, Sec.X.D	
Fugitive Dust Requirements		
150	Opacity of emissions from any fugitive dust non-point source < 40% using ATM Ref Method 9. Att. B, Sec.XI.B.1.a.i	
151	Employs reasonable precautions to prevent excessive amounts of PM from becoming airborne including approved dust suppressant or adhesive soil stabilizer, paving, covering, landscaping, continuous wetting, detouring, barring access, spray bars, chemical stabilization, or other acceptable means. Att. B, Sec.XI.B.1.a.ii. a - h	

#	Requirement from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
152	Water, or an equivalent control, is used to control visible emissions from haul roads and storage piles. Att. B, Sec.XI.B.1.a.ii. b	
153	Maintains records of the dates on which any of the activities were performed and the control measures that were adopted. Att. B, Sec.XI.B.1.a.ii. c.i.	
154	Monthly visual survey of visible emissions from the fugitive dust sources conducted by a certified Method 9 observer. Maintains records of the name of the observer, the date and location on which the observation was made, and the results of the observation. Att. B, Sec.XI.B.1.a.ii. c.i.i.a	
155	If visible emission from a fugitive dust source on an instantaneous basis appears to exceed applicable opacity standard, then, take a six-minute Method 9 observation. If the six-minute opacity of the visible emission is < applicable opacity standard, the observer shall make a record of location, date, and time of the observation; and the results of the observation. Att. B, Sec.XI.B.1.a.ii. c.i.i.b.1	
156	If the six-minute opacity of the visible emission exceeds the applicable opacity standard, then adjust or repair the controls or equipment to reduce opacity to below the applicable standard; report it as an excess emission under Condition XI.A of Attachment "A". Att. B, Sec. XI.B.1.a.ii. c.ii.b.2	
Portable Sources		
157	Submits move notices via certified mail at least 10 days before transfer, providing details of all equipment, permit#, manufacturer, model #, serial #, equipment ID, address & description of present & new location including availability of utilities, date of move. Att. B, Sec. XII.A.1 – 5	
Mobile Source Emissions		
158	Opacity from any off-road machinery will be < 40 %, for any period greater than 10 consecutive seconds. Visible emissions when starting cold equipment shall be exempt for first 10 minutes. These include trucks, graders, scrapers, rollers, and construction and mining machinery not normally driven on public roadway. Att. B, Sec. XII.B.1.a	
159	Opacity from any roadway and site cleaning machinery will be < 40% Visible emissions when starting cold equipment shall be exempt for the first ten minutes. Att. B, Sec. XII.B.1.b.i	
160	Takes precautions, by using dust suppressants, before the cleaning of a site, roadway, or alley. Att. B, Sec. XII.B.1.b.ii	
161	Records of all emissions related maintenance activities performed on the mobile sources stationed at the facility as per manufacturer's specifications. Att. B, Sec. XII.B.2	
OTHER PERIODIC ACTIVITY REQUIREMENTS		
162	Abrasive Blasting: Minimizes dust emissions atmosphere through the use of good modern practices including wet blasting, effective enclosures with necessary dust collecting equipment or any other method approved by the Director. Att. B, Sec. XIV.A.1.a	

#	Requirement from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
163	Visible emissions from sandblasting or other abrasive blasting operations kept < 20% opacity, using EPA Reference Method 9. Att. B, Sec. XIV.A.1.b	
164	Logs in ink or in an electronic format, for all abrasive blasting projects is conducted, the date the project was conducted, duration of the project, & type of control measures employed. Att. B, Sec. XIV.A.2	
165	Use of Paints: Minimizes organic solvent emissions by conducting it in an enclosed area equipped with controls containing no less than 96 % of the overspray. Att. B, Sec. XIV.B.1.b.i	
166	Employs, applies evaporates, or dries any architectural coating containing photochemically reactive solvents for industrial or commercial purposes or thin or dilute any architectural coating with a photochemically reactive solvent. Att. B, Sec. XIV.B.1.b.ii	
167	Visible emissions from painting operations < 20% opacity, EPA Reference Method 9. Att. B, Sec. XIV.B.2.a	
168	Demolition/Renovation-Hazardous Air Pollutants: In compliance with all of the requirements of 40 CFR Part 61 Subpart M. Att. B, Sec. XIV.C.1.	
169	Shall keep all required records in a file, including the NESHAP Notification for Renovation and Demolition Activities" form and all support documents. Att. B, Sec. XIV.C.2	

Equipment List – See attached ATOs. Changes to equipment since last inspection? Choose an item.
Changes noted below:

Make/Model	Equipment #	Serial #	Manufacture Date	Maximum Rated Capacity

Attachment C: Maricopa County Requirements (In addition to General Permit Conditions)		
#	Requirement from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
1	The Permittee does not discharge emissions > 20% opacity for a period aggregating more than 3 minutes in a sixty minute period. Att. C, Sec I.B	

Attachment C: Maricopa County Requirements (In addition to General Permit Conditions)		
#	Requirement from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
2	Materials are processed, stored, used, and transported in such a manner that they will not unreasonably contribute to air pollution. Att. C, Sec I.D.1	
3	Stacks, vents, or other outlets are at a level that air contaminants are not discharged to adjoining property. Att. C, Sec 1.D.2	
4	The Permittee provides and maintains, 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. Att. C, Sec I.D.3.a	
5	The Permittee complies with all identified actions and schedules provided in each O&M Plan. Att. C, Sec I.D.3.c	
6	ECS equipment has been installed, maintained, and calibrated according to 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. Att. C, Sec I.D.3.d	
7	The Permittee provides and maintains, readily available on-site at all times, an O&M plan for equipment associated with any process fugitive emissions and fugitive dust control measures. Att. C, Sec I.D.4.a	
8	The Permittee complies with all identified actions and schedules provided in each O&M Plan. Att. C, Sec. I.D.4.b	
9	Opacity is determined by observations of visible emissions in Accordance with EPA reference Method 9, and records are kept for all days the facility is active. Att. C, Sec. I.D.5	
10	Soil moisture testing for watering systems sampling is conducted within one hour of startup and again at 3pm or within one hour prior to daily shutdown but no less frequently than once every 8-hour period. Att. C, Sec. I.D.6.c.i	
11	Moisture testing is conducted on all crushers, shaker screens, and material transfer points. Moisture testing shall be conducted at the following sample points: <ul style="list-style-type: none"> • 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. • From each stacker point. Att. C, Sec. I.d.6.c.iii	
Crushing and Screening Operation		
12	Stack emissions ≤ 7% opacity and containing ≤ 0.02 grains per dry standard cubic foot of particulate matter. Att. C, Sec II.A.1	
13	Fugitive dust emissions from any transfer point on a conveyer system exceeding 7% opacity. Att. C, Sec. II.A.2	
14	Fugitive dust emissions ≤ 15% opacity from any crusher. Att. C, Sec. II.A.3	

Attachment C: Maricopa County Requirements (In addition to General Permit Conditions)		
#	Requirement from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
15	Fugitive dust emissions ≤ 10% opacity from any affected operation or process source excluding truck dumping. Att. C, Sec. II.A.4	
16	Fugitive dust emissions ≤ 20% opacity from truck dumping directly into any screening operation, feed hopper or crusher. Att. C, Sec. II.A.5	
17	The Permittee implements process controls: Enclosed sides of shaker screens, and permanently mount watering systems, and maintain ≥ 4% minimum moisture content or enclosed sides of shaker screen, and exhaust process to a properly sized fabric baghouse. Att. C, Sec. II.B	
18	The Permittee meets all of the monitoring and record keeping requirements specified in Condition III.E of Attachment B. Att. C, Sec. II.C	
Raw Material Storage and Distribution, Concrete Plants, and/or Bagging Operations – Process Emission Limitations and Controls		
19	Stack emissions ≤ 5% opacity. Att. C, Sec. III.A.1	
20	Fugitive dust emissions ≤ 10% opacity from any affected operation or process source, excluding truck dumping. Att. C, Sec. III.A.1	
21	Cement, lime, and/or flyash storage silo(s) have an operational overflow warning system/device. Att. C, Sec. III.B.1.a	
22	Baghouse, or equivalent design device, installed on new cement, lime, and/or flyash silo(s) to meet a maximum outlet grain loading of 0.01 gr/dscf. Att. C, Sec. III.B.1.b	
23	On dry mix concrete plant loading stations/truck mixed product, the Permittee has implemented one of the following process controls: Rubber fill tube, water spray, baghouse, enclosed mixer station, or loading station located inside an enclosed process building. Att. C, Sec. III.B.1.c	
24	The Permittee has installed a pressure control system designed to shut-off cement silo filling processes/loading operations, if pressure from delivery truck is excessive, as defined in the O&M Plan. Att. C, Sec. III.B.1.d	
25	The Permittee meets all of the monitoring and record keeping requirements specified in Condition VII.B.3 of Attachment B in order to comply with Condition III.A of Attachment C. Att. C, Sec. III.C	
Internal Combustion Engine		
26	The Permittee conducts preventative maintenance or tuning procedures recommended by the engine manufacturer. Att. C, Sec IV.B.1	
27	Engine efficiency is ≥ 30%. Att. C, Sec. IV.B.2	

Attachment C: Maricopa County Requirements (In addition to General Permit Conditions)

#	Requirement from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
28	The Permittee keeps a record that includes an initial one time entry that lists the particular engine combustion type (compression or spark-ignition or rich or lean burn); manufacturer; model designation, rated brake horsepower, serial number and where the engine is located on the site. Att. C, Sec. IV.B.4.a	
29	The Permittee maintains an annual record of good combustion procedures. Att. C, Sec. IV.B.4.b	
30	The Permittee keeps an annual engine record for emergency engines that includes: Hours of operation, and an explanation for the use of the engine if it is used as an emergency engine. Att. C, Sec. IV.B.4.c	
31	The Permittee uses fuel that contains ≤ 0.05% sulfur by weight. Att. C, Sec. IV.C.1	
32	The facility keeps proof of the sulfur content, fuel receipts, contract specifications, pipeline meter tickets, Material Safety Data Sheets (MSDS), fuel supplier information or purchase records, if applicable, from the fuel supplier, indicating the sulfur content of the fuel oil. Att. C, Sec. IV.C.2.a	
33	The Permittee maintains a monthly record which shall include the hours of operation, the type of fuel used and documentation verifying compliance with the fuel sulfur content. Att. C, Sec. IV.C.2.b	
34	Emissions of any air contaminant, other than uncombined water, are ≤ 20%. Att. C, Sec. IV.D.1.a	
35	The facility limits PM emissions to 0.40 g/bhp-hr for any new CI engine that has a rate brake horsepower greater than 250 bhp. Att. C, Sec. IV.D.1.b	
36	The Permittee conducts monthly opacity monitoring on each generator, and records of fuel supplier certifications in order to comply with Conditions IV.D.1.a of Attachment "C". Att. C, Sec. IV.D.2.a	
37	The Permittee keeps a copy of the manufacturer's specifications to show compliance with Condition IV.D.1.b of Attachment "C". Att. C, Sec. IV.D.2.b	
38	The Permittee complies with one of the following requirements to control NOx emissions if the rated brake horsepower (bhp) of the existing compression ignition engine is equal to or greater than 400 bhp: limit emissions to 550 ppmdv or 7.2 g/bhp-hr, employ a turbocharger with aftercooler/intercooler or employ a 4-degree injection timing retard. Att. C, Sec. IV.E.1.a	

Attachment C: Maricopa County Requirements (In addition to General Permit Conditions)

#	Requirement from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
39	<p>The Permittee complies with one of the following requirements to control NOx emissions if the rated brake horsepower (bhp) of the existing compression-ignition engine is less than 400 bhp and greater than or equal to 250 bhp: limit emissions to 770 ppm_{dv} or 10 g/bhp-hr, employ a turbocharger with aftercooler/intercooler, or employ a 4-degree injection timing retard.</p> <p style="text-align: right;">Att. C, Sec. IV.E.1.b</p>	
40	<p>The Permittee complies with one of the following requirements to control NOx emissions if the rated brake horsepower (bhp) of the existing spark ignition is greater than 250 bhp: limit emissions to 280 ppm_{dv} or 4.0 g/bhp-hr or employ a three way catalyst with a minimum of 80% control efficiency for NOx.</p> <p style="text-align: right;">Att. C, Sec. IV.E.1.c</p>	
41	<p>The Permittee complies with one of the following requirements to control NOx emissions if the rated brake horsepower (bhp) of the new spark or compression ignition is greater than 250 bhp: limit emissions to 110 ppm_{dv} or 1.5 g/bhp-hr if the engine is a new lean burn spark engine, or limit emissions to 20 ppm_{dv} or 0.30 g/bhp-hr if the engine is a new rich burn spark engine, or limit emissions to 530 ppm_{dv} or 6.9 g/bhp-hr if the engine is a new compression ignition engine.</p> <p style="text-align: right;">Att. C, Sec. IV.E.1.d</p>	
42	<p>For new I.C. engines, the Permittee shows compliance with the limitations listed in Condition IV.E.1 by demonstrating either: a statement from the manufacturer that the engine meets the most stringent emissions standards found in 40 CFR Part 89 or 90 applicable to the engine and its model year at the time of manufacture, or performance of emission testing using the test methods listed in Section 503 of Maricopa County Rule 324.</p> <p style="text-align: right;">Att. C, Sec. IV.E.2.a</p>	
43	<p>For existing engines, the Permittee shows compliance with the emission limitations by maintaining records under Condition IV.B.4. Emission testing shall be performed if requested by the Director.</p> <p style="text-align: right;">Att. C, Sec. IV.E.2.b</p>	
44	<p>The Permittee complies with one of the following requirements to control CO emissions if the rated brake horsepower (bhp) of the existing spark ignition is greater than 250 bhp: limit emissions to 4,500 ppm_{dv}, or employ a three way catalyst with a minimum of 80% control efficiency for those engines fueled with natural gas, propane, or gasoline.</p> <p style="text-align: right;">Att. C, Sec IV.F.1.a</p>	
45	<p>The Permittee complies with one of the following requirements to control CO emissions if the rated brake horsepower (bhp) of the new spark or compression ignition is greater than 250 bhp: limit emissions to 4,500 ppm_{dv} if the engine is either a new lean burn or rich burn spark engine, or limit emissions to 1,000 ppm_{dv} if the engine is a new compression ignition engine.</p> <p style="text-align: right;">Att. C, Sec. IV.F.1.b</p>	

Attachment C: Maricopa County Requirements (In addition to General Permit Conditions)

#	Requirement from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
46	The Permittee shows compliance with the limitations listed in Condition IV.E.1 by demonstrating either: A statement from the manufacturer that the engine meets the most stringent emissions standards found in 40 CFR Part 89 or 90 applicable to the engine and its model year at the time of manufacture, or performance of emission testing using the test methods listed in Section 503 of Maricopa County Rule 324. Att. C, Sec. IV.F.2.a	
47	For existing engines, compliance with the emission limitations shall be demonstrated by maintaining records under Condition IV.B.4. Emission testing shall be performed if requested by the Director. Att. C, Sec. IV.F.2.b	
48	The Permittee complies with one of the following requirements to control VOC emissions if the rated brake horsepower (bhp) of the existing spark ignition is greater than 250 bhp: limit emissions to 800 ppm _{dv} or 5.0 g/bhp-hr, or employ a three way catalyst with a minimum of 50% control efficiency for VOC. Att. C, Sec. IV.G.1	
49	For new I.C. engines, the Permittee shows compliance with the limitations listed in Condition IV.F.1 by demonstrating either: a statement from the manufacturer that the engine meets the most stringent emissions standards found in 40 CFR Part 89 or 90 applicable to the engine and its model year at the time of manufacture, or performance of emission testing using the test methods listed in Section 503 of Maricopa County Rule 324. Att. C, Sec. IV.G.2.a	
50	For existing engines, the Permittee shows compliance with the emission limitations by maintaining records under Condition IV.B.4. Emission testing shall be performed if requested by the Director. Att. C, Sec. IV.G.2.b	
Fugitive Dust Emissions		
51	For emissions that are not already regulated by an opacity limit, the Permittee discharges or causes or allows to be discharged into the ambient air fugitive dust emissions ≤ 20% opacity. Att. C, Sec. V.A.1	
52	The Permittee maintains fugitive dust emissions from any active operation, open storage pile, or disturbed surface area associated with such facility to its property line. Att. C, Sec. V.A.2	
53	The Permittee does not discharge or allow to be discharged into the ambient air from unpaved roads and unpaved parking and staging areas, fugitive dust emissions > 20% opacity. <ul style="list-style-type: none"> • For unpaved parking and staging areas, silt loading equal to or greater than 0.33oz/ft² or silt content exceeding 8%. • For unpaved roads, silt loading equal to or greater than 0.33 oz/ft²; or silt content exceeding 6%. Att. C, Sec. V.A.4	

Attachment C: Maricopa County Requirements (In addition to General Permit Conditions)

#	Requirement from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
54	<p>The Permittee maintains open areas or a disturbed surface areas on which no activity is occurring in a manner that meets at least one of the standards listed below.</p> <ul style="list-style-type: none"> • Maintain a soil crust. • Maintain a threshold friction velocity (TFV) for disturbed surface areas corrected for non-erodible elements of 100 cm/second or higher. • Maintain a flat vegetative covering that is equal to at least 50%. • Maintain a flat vegetative covering that is equal to or greater than 30%. • Maintain a standing vegetative cover that is equal to or greater than 10% and where the threshold friction velocity is equal to or greater than 43 cm/second when corrected for non-erodible elements. • Maintain a percent cover that is equal to or greater than 10% for non-erodible elements. • Comply with a standard of an alternative test method, upon obtaining the written approval from the Director and the Administrator. Att. C, Sec. V.A.5.a 	
55	<p>At facilities with more than one type of visibly distinguishable stabilization characteristics, soil, vegetation, or other characteristics, which are visibly distinguishable; the Permittee has tested each representative surface separately for stability, in an area that represents a random portion of the overall disturbed conditions of the site. Att. C, Sec. V.A.5.b</p>	
56	<p>Prior to, and/or while conducting loading and unloading operations, the facility implements one of the following fugitive dust control measures: spray material with water, or spray material with a dust suppressant other than water. Att. C, Sec. V.B.1.a</p>	

Attachment C: Maricopa County Requirements (In addition to General Permit Conditions)

#	Requirement from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
57	<p>When not conducting loading and unloading operation the facility implements one of the following fugitive dust control measures:</p> <ul style="list-style-type: none"> • Spray material with water. • Maintain a 1.5% 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%. • Cover open storage piles with tarps, plastic, or other material to prevent wind from removing the coverings. <p style="text-align: right;">Att. C, Sec. V.B.1.b</p>	
58	<p>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 implemented 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.</p> <p style="text-align: right;">Att. C, Sec. V.B.1.c</p>	
59	<p>For existing open storage pile(s) and when installing open storage pile(s) for an existing facility or for a new facility, if such open storage pile(s) will be constructed over eight feet high and will not be covered, the Permittee installed, uses, and maintains a water truck or other method that is capable of completely wetting the surfaces of open storage pile(s).</p> <p style="text-align: right;">Att. C, Sec. V.B.1.d</p>	
60	<p>The Permittee has implemented one of the following fugitive dust control measures on areas other than areas identified in Condition V.B.3 or V.B.4, below, where loaders, support equipment, and vehicles operate: apply and maintain water, apply and maintain a dust suppressant, other than water, or apply a gravel pad.</p> <p style="text-align: right;">Att. C, Sec. V.B.2</p>	

Attachment C: Maricopa County Requirements (In addition to General Permit Conditions)

#	Requirement from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
61	The Permittee has implemented one of the following fugitive dust control measures, as applicable, before engaging in the use of, or in the maintenance of, haul/access roads: install and maintain bumps, humps, or dips for speed control and apply water, limit vehicle speeds and apply water, pave, apply and maintain a gravel pad, apply a dust suppressant, other than water, or install and maintain a cohesive hard surface. Att. C, Sec. V.B.3	
62	On-site Traffic: all batch trucks and material delivery trucks to remain on roads with paved surfaces or cohesive hard surfaces. Att. C, Sec. V.B.4.a	
63	On-site Traffic: all aggregate trucks to remain on paved surfaces or cohesive hard surfaces, except when driving on roads leading to and from aggregate loading areas/loading operations, as approved in the Dust Control Plan. Att. C, Sec. V.B.4.b	
64	On-site Traffic: all batch trucks and material delivery trucks to enter and exit the facility/operation only through entrances that comply with the trackout requirements. Att. C, Sec. V.B.4.c	
65	On-site Traffic: The Permittee has paved or installed a cohesive hard surface on permanent areas of the facility on which vehicles drive, as approved in the Dust Control Plan. Att. C, Sec. V.B.4.d	
66	Off-site Traffic: When hauling and/or transporting bulk material off-site, the Permittee shall implement all of the following control measures: load all haul trucks such that the freeboard is not less than three inches, prevent spillage or loss of bulk material from holes or other openings in the cargo compartment's floor, sides, and/or tailgate(s), and cover haul trucks with a tarp or other suitable closure. Att. C, Sec. V.B.5	
67	The Permittee of the new permanent facility and the Permittee of the 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. Att. C, Sec. V.B.6	
68	Trackout extends ≤ 25 linear feet from all facility exits onto paved areas accessible to the public. Att. C, Sec. V.B.6.d	
69	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 sweeps 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. Att. C, Sec. V.B.6.e.i	

Attachment C: Maricopa County Requirements (In addition to General Permit Conditions)

#	Requirement from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
70	The Permittee with less than 60 aggregate trucks, mixer trucks, and/or batch trucks exiting the facility on any day sweeps 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. Att. C, Sec. V.B.6.e.ii	
71	The Permittee purchased street sweepers after June 8, 2005, purchased street sweepers meet the criteria of PM10 efficient South Coast Air Quality Management Rule 1186 certified street sweepers. Att. C, Sec. V.B.6.e.iii	
72	The Permittee of the new facility uses South Coast Air Quality Management Rule 1186 certified street sweepers to sweep paved roads. Att. C, Sec. V.B.6.e.iv	
73	Pad Construction for Process Equipment: The Permittee implemented, maintained, and used fugitive dust control measures during the construction of pads for processing equipment so as to meet all of the applicable requirements of this section and shall identify, in the Dust Control Plan, such fugitive dust control measures. Att. C, Sec. V.B.7	
74	The Permittee shall implement the following fugitive dust control measures, as applicable, when spillage occurs: promptly remove any pile of spillage on paved haul/access roads/paved roads, maintain in a stabilized condition any pile of spillage on paved haul/access roads/paved roads and remove such pile by the end of each day, maintain in a stabilized condition all other piles of spillage with dust, and suppressants until removal. Att. C, Sec. V.B.8.d	
75	Night-time Operations: The Permittee implemented, maintained, and uses fugitive dust control measures at night, as approved in the Dust Control Plan. Att. C, Sec. V.B.9	
76	The Permittee has a Fugitive Dust Control Technician trained in the Comprehensive Dust control Training once every three years, and have a valid dust training certification identification card readily available on-site. Att. C, Sec. V.C.1.b	
77	Facility water truck and water-pull drivers have successfully completed a Basic Dust Control Training Class at least once every three years and records of the training are maintained. Att. C, Sec. V.C.2	
78	The Permittee has submitted a Dust Control Plan to the Director. Att. C, Sec V.C.3.a	
79	Does the Dust Control Plan meet the criteria of Rule 310 Fugitive Dust from Dust Generating Operations from Maricopa County Rules. Att. C, Sec. V.C.3.c	
80	The Permittee submits a Dust Control Plan with each move notice. Att. C, Sec. V.C.3.e	

Attachment C: Maricopa County Requirements (In addition to General Permit Conditions)		
#	Requirement from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
81	The Permittee compiles, maintains, and retains 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. Att. C, Sec. V.C.3.f	
82	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 white background, have black block lettering that is at least four inches high, and shall contain at least all of the following information: <ul style="list-style-type: none"> • 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. • Text stating: “Dust Complaints? Call Maricopa County Air Quality Department – (602) 372-2703, or the Arizona Department Of Environmental quality at (602) 771-2286.” Att. C, Sec. V.C.5	
83	The Permittee has conducted performance tests for soil stabilization and moisture content as required by the Director. Att. C, Sec. V.D.1	
Other Periodic Activity Requirements		
84	Abrasive blasting is self-contained, enclosed abrasive blasting equipment that is not vented to the atmosphere or is vented inside a building with the exhaust directed away from any opening to the building exterior, or hydroblasting. Att. C, Sec. VI.A.1	
85	Meets at least one of the requirements for unconfined blasting: <ul style="list-style-type: none"> • Wet abrasive blasting. • Vacuum blasting. • Dry abrasive blasting, provided that all of the following conditions are met: <ol style="list-style-type: none"> 1. Perform only on a metal substrate. 2. Use only certified abrasive for dry unconfined blasting. 3. Blast only paint that is lead free (i.e. the lead content is less than 0.1 percent). 4. Perform the abrasive blasting operation directed away from unpaved surfaces. Use the certified abrasive not more than once unless contaminants are separated from the abrasive through filtration and the abrasive conforms to its original size. Att. C, Sec. VI.A.3	
86	Meets either requirement for confined blasting: using a certified abrasive, or venting to an ECS. Att. C, Sec. VI.A.4	

Attachment C: Maricopa County Requirements (In addition to General Permit Conditions)

#	Requirement from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
87	Daily blasting operations records kept: <ul style="list-style-type: none"> • A list of the blasting equipment. • The description of the type of blasting as confined, unconfined, sand, wet, or other. • The locations of the blasting equipment or specify if the equipment is portable. • A description of the ECS associated with the blasting operations. • The days of the week blasting occurs. • The normal hours of operation. Att. C, Sec. VI.10.a 	
88	Periodic blasting operations records kept: <ul style="list-style-type: none"> • The date the blasting occurs. • The blasting equipment that is operating. • A description of the type of blasting. • A description of the ECS associated with the blasting operation. Att. C, Sec. VI.A.10.b 	
89	Records type and amount of solid abrasive material consumed on a monthly basis. Include name of certified abrasive used, as applicable. Att. C, Sec. VI.A.10.c	
90	Keeps copies of reports, logs, and supporting documentation required shall be retained for at least 2 years. Att. C, Sec. VI.A.11	
91	The Permittee operates any spray painting or spray coating equipment and meets one of the following conditions: <ul style="list-style-type: none"> • Equipment Operated In Enclosures Located Outside a Building: • Spray coating equipment shall be operated inside an enclosure which has at least three sides a minimum of eight feet in height and able to contain any object or objects being coated. <ul style="list-style-type: none"> ○ Three-Sided Enclosures: Spray shall be directed in a horizontal or downward pointing manner so that overspray is directed at the walls or floor of the enclosure. No spraying shall be conducted within three feet of any open end or within two feet of the top of the enclosure. ○ More Complete Enclosures: For enclosures with three sides and a roof or complete enclosures, spray shall be directed into the enclosure so that the overspray is directed away from any opening in the enclosure. No spraying shall be conducted within three feet of any open end or within two feet of any open top of the enclosure. • Any spray booth or enclosure with forced air exhaust must have a filtering system with average overspray removal efficiency of at least 92% by weight for the type of material being sprayed. Att. C, Sec. VI.B.1 	

Attachment D: Pima County Requirements (In addition to General Permit Conditions)

#	Requirement from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
1	<p>Permittee shall not allow the discharge of PM into the atmosphere except as fugitive emissions in any one hour from any gravel or crushed stone processing plant in total quantities in excess of the amounts calculated by one of the following:</p> <p>≤ 60,000 lbs or 30 tph: $E=3.59P^{0.62}$ > 60,000 lbs or 30 tph: $E=17.31P^{0.16}$</p> <p>E= the maximum allowable particulate emission rate in pounds-mas per hour. P= the process weight rate in tons-mass per hour</p> <p style="text-align: right;">Att. D, Sec. II.B.1.a</p>	
2	<p>The Permittee shall control windblown dust, dust from haul roads, and dust emitted from land clearing, earthmoving, demolition, trenching, blasting, road construction, mining, racing event, and other activities, as applicable.</p> <p style="text-align: right;">Att. D, Sec. IV.A1</p>	
3	<p>Until the area becomes permanently stabilized by paving, landscaping or otherwise, dust emissions shall be controlled by applying adequate amounts of water, chemical stabilizer, or other effective dust suppressant.</p> <p style="text-align: right;">Att. D, Sec. IV.A.2</p>	
4	<p>No person shall cause, suffer, allow or permit crushing, screening, handling, transporting or conveying of materials or other operations likely to result in significant amounts of airborne dust without taking reasonable precautions, such as the use of spray bars, wetting agents, dust suppressants, covering the load, and hoods to prevent excessive amounts of particulate matter from becoming airborne.</p> <p style="text-align: right;">Att. D, Sec. IV.D.1</p>	
5	<p>Dust emissions from the transportation of materials shall be effectively controlled by covering stock loads in open-bodied trucks, limiting vehicular speeds, or other equivalently effective controls.</p> <p style="text-align: right;">Att. D, Sec. IV.D.3</p>	
6	<p>Emissions from a sandblasting or other abrasive blasting operation shall be effectively controlled by applying water to suppress visible emissions (wet blasting), enclosing the operation, or use of other equivalently effective controls.</p> <p style="text-align: right;">Att. D, Sec. IV.D.4</p>	
7	<p>No person shall cause, suffer, allow, or permit a vacant lot, or an urban or suburban open area, to be driven over or used by motor vehicles, trucks, cars, cycles, bikes, or buggies, or by animals such as horses, without taking reasonable precautions to limit excessive amounts of particulates from becoming airborne. Dust shall be kept to a minimum 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.</p> <p style="text-align: right;">Att. D, Sec. IV.E.1</p>	

Attachment D: Pima County Requirements (In addition to General Permit Conditions)

#	Requirement from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
8	The Permittee of any portable or stationary equipment which burns any material, except natural gas, shall keep complete records of the materials used as fuel. Att. D, Sec. V.A	
9	The Permittee shall not use gaseous diluents to achieve opacity standards. Att. D, Sec V.B.1.c	
10	Opacity of an emission from any non-point source, as measured in accordance with the Arizona Testing manual, Reference Method 9, shall not exceed the following: <ul style="list-style-type: none"> ● 20 percent for such non-point sources in Eastern Pima County, east of the eastern boundary of the Tohono O’Odham Reservations. ● 40 percent for such non-point sources in all other areas of Pima County. Att. D, Sec V.B.2.a+b	
11	Airborne visible emissions are kept within property boundary lines. Att. D, Sec V.C.1	

Attachment E: Pinal County Requirements (In addition to General Permit Conditions)

#	Requirement from General Permit	Requirement Met? (Yes, No, N/A) Please include any comments.
Crushing and Screening Requirements		
1	Fugitive emissions from gravel or crushed stone from stone processing plants are controlled in accordance with Chapter 4, Article 2 of the Pinal County Rules. Att. E, Sec. II.B.1	
Fugitive Dust Emissions Requirements		
2	Precautions taken to prevent fugitive dust from becoming airborne. Att. E Sec. III.A.1	
3	Permittee takes reasonable precautions when disturbing or removing soil or natural cover to prevent fugitive dust from becoming airborne. Att. E, Sec. III.A.2	
4	Opacity observations are not made when wind speeds instantaneously exceed 25 mph or the average speed is > 15 mph. Att. E, Sec. III.B.1	
5	The average wind speed is determined on a 60 minute average from the nearest Air Quality Control District monitoring station or by a wind instrumented located on site. Att. E, Sec. III.B.2	