MINNESOTA POLLUTION CONTROL AGENCY

Compliance calendar for Minnesota aggregate facilities

Small Business Environmental Assistance Program

For the year _____

Keep this calendar with your records for five years.

Compliance calendar
for Minnesota aggregate facilities

This compliance calendar is provided to you by the Minnesota Pollution Control Agency (MPCA), Small Business Environmental Assistance Program (SBEAP). We wish to recognize the Aggregate and Ready Mix Association of Minnesota (ARM) for their continual efforts to provide environmental education as an effective and necessary compliance tool.

We understand the day-to-day difficulties of keeping up with rule interpretations, recordkeeping, and environmental reporting. This calendar, which focuses on the nonmetallic mineral processing air emission general permit and the nonmetallic mining and associated activities (MNG490000) general permit for stormwater, is designed to make these tasks easier.

Compliance logs for daily, monthly, and annual recordkeeping in this calendar will assist you with air and water quality recordkeeping requirements. Fill in the summary logs on the last page and retain all your records for five years. These records will be a big help when completing your annual air emissions inventory and your MNG490000 discharge monitoring reports and pollution prevention plan.

The first few pages of this calendar summarize:

- Federal standards of performance for nonmetallic mineral processing plants
- Minnesota nonmetallic mineral processing general air permit
- Minnesota nonmetallic mining and associated activities general permit (MNG490000) for stormwater. More infomation and audit forms to help you determine if you qualify for the permit are online at www.pca.state.mn.us/iryp90f.

MINNESOTA POLLUTION CONTROL AGENCY

Small Business Environmental Assistance Program
520 Lafayette Road
St. Paul, Minnesota 55155
651-282-6143
800-657-3938
www.pca.state.mn.us/sbeap

We offer regulatory assistance to businesses with less than 100 employees that are independently owned and operated.

AGGREGATE & READY MIX
ASSOCIATION OF MINNESOTA

p-sbap5-02

Federal new source performance standard (NSPS) nonmetallic mineral processing, subpart OOO

You are affected by this rule if you commenced construction, reconstruction, or modification of your plant or equipment after August 31, 1983, and your fixed plant is larger than 25 tons per hour or your portable plant is larger than 150 tons per hour.

Requirements:

1. Fabric baghouses not to exceed 7% opacity or 0.05 grains per dry standard cubic meter (gr/dscm) of particulates. Baghouses constructed, modified, or reconstructed after April 22, 2008, must meet 0.032 gr/dscm.

2. Conveyor and transfer points not to exceed 10% opacity. Conveyors and transfer points constructed, modified, or reconstructed after April 22, 2008, must meet 7% opacity.

3. Crusher not to exceed 15% opacity. Crushers constructed, modified, or reconstructed after April 22, 2008, must meet 12% opacity.

4. Opacity observation periods have been reduced from three hours to 30 minutes. A 7-day advanced notice period is now required vs. a 30-day period.

5. For all new or replacement facilities or new equipment subject to Subpart OOO, you must submit a description of the affected facility or equipment to the MPCA using NM-EQ form. You do not need to submit a description if the replacement equipment is of a lesser size or capacity than the original equipment.

Minnesota nonmetallic mineral processing general air permit

Permit reporting forms

Forms available at https://www.pca.state.mn.us/air/air-permit-forms-and-online-submittals

- Deviation reporting form **NM-DRF** is due to the MPCA on or before July 30 *and* January 30 of each year for reporting periods January 1 through June 30, and July 1 through December 31.
- Compliance certification form **NM-CR** is due annually to the Minnesota Pollution Control Agency (MPCA) by January 31.
- Nonmetallic **emissions inventory form** is due annually by April 1.
- You must submit the **NM-RE** new location notification reporting form at least 48 hours prior to relocating to a new mining site and starting operations.

Periodic notification submittals

- Submit a written **shutdown notification** 24 hours before a planned shutdown of pollution control equipment if the shutdown will cause an increase in air emissions, and again when the shutdown is over.
- Submit a written **breakdown notification** immediately for a breakdown of more than one hour if the breakdown causes an increase in air emissions, and when the breakdown is over.
- Submit a **notification and test plan** at least 30 days before a performance test is conducted on form **NM-TP**; a **pre-test meeting** is to be held at least seven days before the performance test; submit the **test report** within 45 days of the performance test.

Unless otherwise noted on the form, send all air permit submittals to:

MPCA
Air Quality Compliance Tracking Coordinator
520 Lafayette Rd N
St. Paul, MN 55155-4194

Internal combustion engines
Remember to record monthly fuel usage on each monthly report log and the monthly totals at the end of the calendar.

- You may only combust diesel fuel, natural gas, liquefied petroleum gas (LPG), propane, biodiesel, or gasoline.
- Opacities from engines may not exceed 20% once operating temperatures have been obtained.
- When installing new equipment subject to Subpart OOO, remember to submit the new equipment notification Form **NM-EQ.**

Engine fuel usage limits
Remember to record fuel usage monthly.

Allowable fuel limits if only one fuel is used:

Diesel fuel	291,545 gallons per year (317,851 gal. per yr. with up to 20% biodiesel)
Natural gas	5.3 million cubic feet per year
Propane	1.3 million gallons per year
Gasoline	21,221 gallons per year

If more than one fuel is used, complete form **NM-EN** monthly by the 15th of the following month and retain for your records.

Fuel supplier certification

For both emergency and non-emergency internal combustion engines, obtain a fuel supplier certification for each shipment of diesel fuel certifying that the sulfur content does not exceed 0.50% by weight (see page 18 of Permit).

Generator/engine siting conditions

Capacity allowed to operate (horsepower)	Minimum stack height feet (meters)	Minimum distance between engine and site boundaries feet (meters)
500	14 (4.27)	60 (18.30)
750	14 (4.27)	135 (41.15)
1,000	14 (4.27)	210 (64.00)
1,500	14 (4.27)	330 (100.0)

Minnesota nonmetallic mineral processing general air permit, continued

Material moisture content

Material moisture content must be 1.5% or more and must be demonstrated by one of these two methods:

1. Test moisture content of each different feed material source:

   *   Use American Society for Testing and Materials (ASTM) method D2216-92 or D4643-93 (or equivalent),
   *   Keep records of each test summarizing the method used, results, date, time, and initials of person performing the test,
   *   Test weekly until three consecutive weekly tests show a moisture content of 1.5% or more. Further testing is not required unless the source of the feed material changes, and
   *   When testing shows that feed material moisture content is below 1.5%, operate a moisture addition device at the initial crusher or screen to achieve a moisture content of 1.5% or more. Continue moisture addition until testing shows that the moisture content of the feed material is 1.5% or more. Keep daily records of the time, date, water flow rate, material throughput rate, and initials of the person making the record. Alternately, conduct daily testing after moisture addition (follow the first two bulleted requirements above), adding water and re-testing until moisture content is 1.5% or more.

   OR

2. Keep records indicating that feed material is being removed from below the water table or from below the surface of a waterway (e.g., creek, river, lake), or that the feed material is recycled asphalt pavement. Record a description of the source, the date, and the initials of the person making the record.

Non-process dust control requirements (Minn. R. 7011.0150)

Dust control requirements depend on whether you are a small, medium, or large source. See Table 1 and Table 2 on the next page. Once you have determined your size, refer to the following small, medium, and large dust control compliance requirements.

Small facility requirements

You must prevent "avoidable amounts of dust" from becoming airborne. This may require that you apply water or a commercially available dust suppressant to stock piles, unpaved roads, and handling areas.

Medium facility requirements

1. Comply with small facility requirement above.

2. Record date, time, and initials of person initiating dust control measures.

3. Record amount of water or dust suppressant applied.

4. If you use a commercially-available suppressant, it must be applied in accordance with the manufacturer's guidelines.

Large facility requirements

1. Comply with all small and medium facility requirements above.

2. Record site location(s) of water or dust suppressant application.

3. Install a rain gauge on-site and record precipitation in previous 24 hours for each day of operation.

4. Record basic weather observations each operating day according to the weather summary criteria—sky, weather, wind, and temperature. See page "Weather summary guide" table below or view in your nonmetallic general air permit.

5. Unpaved roads must be posted with a maximum 10 mph sign.

6. Water or dust suppressant equipment must be available at the site or on call.

Weather summary guide for large stationary source dust control

Sky conditions		(see Permit page 14)
CLR	10% cloud coverage	
SCT (Ptly Cldy)	10% to 50% cloud coverage (opaque)	
BKN (Mstly Cldy)	60% to 90% cloud coverage (opaque)	
OVC (Cloudy)	100% cloud coverage (opaque)	
THN OVC	Sky is completely covered with high thin clouds and 50% cloud coverage is opaque.	

Note: The cloud coverage is a cumulative total of all cloud layers.

Weather conditions	
Fog	May also be associated with drizzle and may obstruct sky
Drizzle	Small particles of rain, many times associated with fog
Lt Rain	Continuous falling at a light rate (good horizontal visibility)
Mod Rain	Continuous falling at a moderate rate (horiz. visibility decreased)
Hvy Rain	Continuous falling at heavy rate; in sheets (horizontal visibility low)
T-Stm	Thunderstorm -- thunder, lightning, usually moderate to heavy rain
Hail	Associated with thunderstorms
Frz Rain	Rain that freezes on contact with cold objects; glazing
Sleet	Mixture of rain and ice pellets
Ice Pellets	Clear/mostly translucent pellets of ice—not easily broken/crushed
Snw Grns/Snw Pellets	Hard/crunchy opaque (white) pellets of snow—easily crushed
Lt Snow	Falling at a light rate; flurries (good horizontal visibility)
Mod Snow	Falling at a moderate rate (horizontal visibility decreased)
Hvy Snow	Falling at a heavy rate (poor horizontal visibility)

Wind scale		
0-10 mph	Light Breeze	Leaves rustle.
10-20 mph	Light Wind	Small tree branches move; wind extends light flag.
20-30 mph	Mod Wind	Large branches in motion; umbrella used with difficulty.
30-40 mph	Mod Gale	Whole trees in motion; difficulty walking against wind.
40-50 mph	Strong Gale	Twigs break off trees.

Temperature
Estimate the temperature using a range of 5 degrees Fahrenheit if the actual temperature is not known.

Minnesota nonmetallic mineral processing general air permit, continued

Stationary source size designation
Nonmetallic mineral processing general permit

Table 1 - Annual production versus numbers of units

	Number of units			Stationary source annual production (tons) - up to:									
Category	Crushers	Screens	Transfer operations	500,000 qualified as:	1,000,000 qualifies as:	1,250,000 qualifies as:	1,500,000 qualifies as:	1,750,000 qualifies as:	2,000,000 qualifies as:	2,250,000 qualifies as:	2,500,000 qualifies as:	2,750,000 qualifies as:	3,000,000 qualifies as:
A	1	1	10	small	small	small	small	medium	medium	medium	medium	medium	large
B	2	2	20	small	small	small	small	medium	medium	medium	large	large	large
C	3	3	30	small	small	small	medium	medium	medium	large	large	large	not allowed
D	4	4	40	small	small	small	medium	medium	large	large	not allowed	not allowed	not allowed
E	5	5	50	small	small	medium	medium	large	large	not allowed	not allowed	not allowed	not allowed
F	6	6	60	small	small	medium	medium	large	not allowed	not allowed	not allowed	not allowed	not allowed
G	7	7	70	small	small	medium	large	not allowed	not allowed	not allowed	not allowed	not allowed	not allowed
H	8	8	80	medium	medium	medium	large	not allowed	not allowed	not allowed	not allowed	not allowed	not allowed

Stationary sources, using Table 1, with over 3,000,000 tons per year throughput or with more than 8 crushers, 8 screens, or 80 transfer operations are not allowed under this general permit. Not allowed (in both Tables 1 and 2) means not authorized by this general permit.

Table 2 - Annual production versus in-place capacity

	Cumulative in-place capacity (tons per hour)			Stationary source annual production (tons) - up to:									
Category	Crushers	Screens	Transfer operations	500,000 qualifies as:	1,000,000 qualifies as:	1,250,000 qualifies as:	1,500,000 qualifies as:	1,750,000 qualifies as:	2,000,000 qualifies as:	2,250,000 qualifies as:	2,500,000 qualifies as:	2,750,000 qualifies as:	3,000,000 qualifies as:
I	750	750	7,500	small	small	small	medium	medium	medium	large	large	large	not allowed
II	1,250	1,250	12,500	medium	medium	medium	medium	medium	large	large	not allowed	not allowed	not allowed
III	2,500	2,500	25,000	large	large	large	large	large	large	not allowed	not allowed	not allowed	not allowed

Stationary sources, using Table 2, with cumulative capacities above 2,500 tons per hour (tph) for crushers or for screens or above 25,000 tph for transfer operations are not allowed under this general permit.

If Table 2 is used to determine the stationary source designation, in order to demonstrate compliance with the cumulative capacity limitation, the permittee must keep an up-to-date record (e.g., a site plan or process flow diagram) showing the cumulative in-place capacity of each equipment type at the stationary source. This record does not need to identify specific unique identifying numbers for pieces of equipment. It may be generic in nature, but must be sufficiently detailed to determine the cumulative capacity of all equipment types at the stationary source.

Wet screen operations are excluded from counting toward the number of units in the above matrix.

What is your size designation for this site? ☐ Small ☐ Medium ☐ Large

Note: Production limits are for ALL aggregate equipment on site (e.g. include equipment from multiple operators). A single permit can cover multiple locations, and each location can have a different size designation.

Stormwater and wastewater permitting

Active aggregate facilities must have a stormwater permit even if all stormwater is contained on site. Choose either the nonmetallic mining & associated activities general permit (MNG490000) or the industrial stormwater multi-sector general permit. MNG490000 is required if any wastewater activities are conducted.

The following wastewater (non-stormwater) activities are allowed under MNG490000 as long as water is contained on site and is not discharged to surface waters:

- Wash water and dredging operations.
- Uncontaminated scale deck wash water that does not use detergents, solvents, or degreasers.
- Stormwater and deck wash water collected in holding tanks under scales.
- Wash water from cleaning mobile equipment that does not use detergents, solvents, or degreasers.
- Water used for sawing stone or dust control on crushers, conveyors, associated equipment, and site roadways.
- Installation, construction, and operation of wet scrubbers at hot mix asphalt production areas, including portable plants.
- Washing trucks, mixers, transport buckets, forms and/ or other equipment at concrete plants.
- Boiler blowdown and reverse osmosis reject
- Low or high pressure steam curing.
- Noncontact cooling water used for dryer, pump and air compressor cooling.

If any of the above wastewater is discharged to surface waters, you must eliminate the surface water discharge or obtain an individual NPDES/SDS permit.

Facilities that do not have process wastewater may still obtain an MNG490000 general permit, which covers multiple sites under one permit, or they may obtain industrial stormwater multi-sector general permits for each site.

See the permit comparison chart (wq-wwprm7-66).

Nonmetallic mining and associated activities general permit (MNG490000)

Some general requirements of the permit:

1. Complete and submit a site inventory report form at least ten days before starting land-disturbing activities at a new site for a facility with exisiting permit coverage.

2. Prepare and implement a pollution prevention plan for each site.

3. Complete and document monthly site inspections to ensure the pollution prevention plan is being followed.

4. Protect inlets/outlets at dewatering sites to prevent sediment entrainment/scour, respectively.

5. Install sediment and erosion control measures in areas that drain away from the aggregate pit.

6. Comply with limits and monitoring for pit dewatering.

7. Sample and analyze stormwater discharges. Sampling frequencies vary - see your permit. Submit results on the annual discharge monitoring report by January 21 of each year.

8. For mine pit dewatering, submit a discharge monitoring report quarterly (by January 21, April 21, July 21, October 21).

9. Minimize sediment tracked from the site onto paved surfaces by using stone pads, concrete or steel wash racks, or other best management practices (BMPs). Use street sweeping if such BMPs are not adequate to prevent sediment from being tracked on the strreet.

10. Notify MPCA when a site no longer needs permit coverage using the site inventory report form. The site must not be active or staffed and all areas that drain from the site must have been stabilized with vegetation or other erosion control measures. The site inventory report form is at https://www.pca.state.mn.us/sites/default/files/wq-wwprm7-43.docx.

Sampling checklist

Mark how frequently you need to sample for a parameter. Draw a line through parameters that don't apply to your site.

Parameter	Sample frequency			
	Continuous	Once per year	Twice per year	Once per quarter
pH				
Flow				
Iron, Total (as Fe)				
Nitrite Plus Nitrate, Total (as N)				
Nitrogen, Kjeldahl, Total				
Phosphorus, Total (as P)				
Solids, Total Suspended (TSS)				

If the facility has indicated in the permit application all stormwater and/or process wastewater is contained and/or infiltrates on site, the site is prohibited from discharging to surface waters. The site will be assigned a Land Application (LA) designation in lieu of a Surface Discharge (SD) designation. Discharge Monitoring Reports (DMRs) will not be required for sites with only LA designations.

Stormwater and wastewater permit renewals

The MNG490000 permit expires every five years. You must apply for permit reissuance at least six months before expiration. Permittees who continue activities authorized by the permit and who do not submit an application for reissuance are in violation of the permit and are subject to enforcement action which could include fines and other penalties.

If you have mine pit dewatering discharges, you will be required to submit monitoring data with your permit application. Applications without this data will be considered incomplete and returned. The permit, application forms, and more information are available at https://www.pca.state.mn.us/regulations/nonmetallic-mining-and-associated-activities.

Other requirements

MNG490000 prohibits discharges of aggregate pit pumpout water to Outstanding Resource Value Waters (ORVWs), Department of Natural Resources (DNR) designated trout waters, or DNR-posted fish-spawning areas. If such discharges are required, you must apply for an individual permit from the MPCA at least six months in advance of the proposed activity.

A water appropriation permit from the DNR is likely needed if more than 10,000 gallons of water per day or 1 million gallons per year is being withdrawn from a state water (including groundwater, as in pit/quarry dewatering).

How to use this calendar

Monthly aggregate production log [a, b]

Total aggregate produced (tons)	Crushed (tons processed x no. times crushed)	Screened (tons processed x no. times screened)	Transferred (tons processed x no. times transferred)
Insert data for the current month of operations			

Weekly fuel usage log

Date	Diesel	Gasoline	Natural gas	Propane
Monthly total used[c]				

Weekly moisture content log (see page 4 for more details)

Date	Initials	Moisture % or source[d]	ASTM method used
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93
Use a prescribed ASTM testing method. Samples should be taken and recorded weekly.			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93

Monthly stormwater inspection   Name of inspector:

Date & time	Findings, recommendations, corrective actions	☐ Changes to P2 Plan

Did you collect and analyze a stormwater sample this month?
☐ No   ☐ Yes, 1st sample   ☐ Yes, 2nd sample   ☐ Yes, 3rd sample   ☐ Yes, 4th sample

Monthly stormwater inspections must include: 1) date and time of inspections, 2) name of person(s) conducting inspections, 3) findings of inspections, including recommendations for corrective actions, 4) corrective actions taken, and 5) documentation of any changes to the pollution prevention plan (P2 Plan). One inspection per year must be done during rain or snowmelt. One additional inspection must be done during snowmelt.

Non-process dust control (roads and piles)

See page 5 to determine your facility size.

Check appropriate boxes and record indicated information on the calendar below.

Small facility

☐ Prevent "avoidable amounts of dust" from becoming airborne.

Medium facility

☐ Prevent "avoidable amounts of dust" from becoming airborne.

☐ Have on file application guidelines of commercially available suppressant.

On the calendar below:

Enter data on dates when dust suppressant is required:
☐ Time dust control is applied (Time)
☐ Initials of person controlling dust (Initials)
☐ Amount of water applied in gallons (Amt H_2O)

Large facility

☐ Prevent "avoidable amounts of dust" from becoming airborne.

☐ Have on file application guidelines of commercially available suppressant.

☐ Unpaved roads posted with a max. 10 mph sign.

☐ Water or dust suppressant equipment is available at the site or on call within any given operating day.

On the calendar below:

Enter data on each day of operation:
☐ Time dust control is applied (time)
☐ Initials of person controlling dust (initials)
☐ Amount of water applied in gallons (amt H_2O)
☐ Location(s) of water or dust suppressant application (location)
☐ Precipitation in previous 24 hrs. for each day of operation from a rain gauge located on-site (precip)
☐ Basic weather observations—see weather summary criteria on page 4 (weather)

[a] **Permit limits.** Refer to page 5 for designation size and production limits. There are two options to comply with production limits in your permit: 1) 12-month rolling sum limit (record total aggregate produced on last page) OR 2) Monthly limit (annual production limit ÷ 12).

[b] **Emission Inventory.** Record the information in this log on the last page.

[c] Enter total on last page.

[d] 1) Samples are to be collected, analyzed, and recorded weekly until 3 consecutive samples at one location show aggregate moisture contents of 1.5% or greater. If less than 1.5%, daily record the percent moisture, date, waterflow rate, material throughput rate, initials of person making recording, and time the record was made. Record this information on the actual calendar day. OR 2) Indicate the source of the feed material if it is removed from below the water table or the surface of a waterway (e.g., creek, river, lake) or is recycled asphalt pavement. ASTM method used column does not apply with this second option.

Monthly aggregate production log [a, b]

Total aggregate produced (tons)	Crushed (tons processed x no. times crushed)	Screened (tons processed x no. times screened)	Transferred (tons processed x no. times transferred)

Weekly fuel usage log

Date	Diesel	Gasoline	Natural gas	Propane
Monthly total used[c]				

Weekly moisture content log (see page 4 for more details)

Date	Initials	Moisture % or source[d]	ASTM method used
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93

Monthly stormwater inspection   Name of inspector:

Date & time	Findings, recommendations, corrective actions	☐ Changes to P2 Plan

Did you collect and analyze a stormwater sample this month?
☐No   ☐Yes, 1st sample   ☐Yes, 2nd sample   ☐Yes, 3rd sample   ☐Yes, 4th sample

Monthly stormwater inspections must include: 1) date and time of inspections, 2) name of person(s) conducting inspections, 3) findings of inspections, including recommendations for corrective actions, 4) corrective actions taken, and 5) documentation of any changes to the pollution prevention plan (P2 Plan).

One inspection per year must be done during rain or snowmelt. One additional inspection must be done during snowmelt.

Non-process dust control (roads and piles)

See page 5 to determine your facility size.

Check appropriate boxes and record indicated information on the calendar below.

Small facility

☐ Prevent "avoidable amounts of dust" from becoming airborne.

Medium facility

☐ Prevent "avoidable amounts of dust" from becoming airborne.

☐ Have on file application guidelines of commercially available suppressant.

On the calendar below:

Enter data on dates when dust suppressant is required:
☐ Time dust control is applied (Time)
☐ Initials of person controlling dust (Initials)
☐ Amount of water applied in gallons (Amt H_2O)

Large facility

☐ Prevent "avoidable amounts of dust" from becoming airborne.

☐ Have on file application guidelines of commercially available suppressant.

☐ Unpaved roads posted with a max. 10 mph sign.

☐ Water or dust suppressant equipment is available at the site or on call within any given operating day.

On the calendar below:

Enter data on each day of operation:
☐ Time dust control is applied (time)
☐ Initials of person controlling dust (initials)
☐ Amount of water applied in gallons (amt H_2O)
☐ Location(s) of water or dust suppressant application (location)
☐ Precipitation in previous 24 hrs. for each day of operation from a rain gauge located on-site (precip)
☐ Basic weather observations—see weather summary criteria on page 4 (weather)

[a] **Permit limits.** Refer to page 5 for designation size and production limits. There are two options to comply with production limits in your permit: 1) 12-month rolling sum limit (record total aggregate produced on last page) OR 2) Monthly limit (annual production limit ÷ 12).

[b] **Emission Inventory.** Record the information in this log on the last page.

[c] Enter total on last page.

[d] 1) Samples are to be collected, analyzed, and recorded weekly until 3 consecutive samples at one location show aggregate moisture contents of 1.5% or greater. If less than 1.5%, daily record the percent moisture, date, waterflow rate, material throughput rate, initials of person making recording, and time the record was made. Record this information on the actual calendar day. OR 2) Indicate the source of the feed material if it is removed from below the water table or the surface of a waterway (e.g., creek, river, lake) or is recycled asphalt pavement. ASTM method used column does not apply with this second option.

January

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date: Medium facilities only need to complete these three.	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:
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Due this month: ☐ Monthly stormwater inspection completed   ☐ Discharge monitoring report (DMR) for annual stormwater and quarterly pit dewatering due Jan. 21
☐ Air semiannual deviations report (NM-DRF) due Jan. 30   ☐ Air annual compliance certification (NM-CR) due Jan. 31

February

Monthly aggregate production log [a, b]

Total aggregate produced (tons)	Crushed (tons processed x no. times crushed)	Screened (tons processed x no. times screened)	Transferred (tons processed x no. times transferred)

Weekly fuel usage log

Date	Diesel	Gasoline	Natural gas	Propane
Monthly total used[c]				

Weekly moisture content log (see page 4 for more details)

Date	Initials	Moisture % or source[d]	ASTM method used
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93

Monthly stormwater inspection   Name of inspector:

Date & time	Findings, recommendations, corrective actions	☐ Changes to P2 Plan

Did you collect and analyze a stormwater sample this month?
☐No   ☐Yes, 1st sample   ☐Yes, 2nd sample   ☐Yes, 3rd sample   ☐Yes, 4th sample

Monthly stormwater inspections must include: 1) date and time of inspections, 2) name of person(s) conducting inspections, 3) findings of inspections, including recommendations for corrective actions, 4) corrective actions taken, and 5) documentation of any changes to the pollution prevention plan (P2 Plan).

One inspection per year must be done during rain or snowmelt. One additional inspection must be done during snowmelt.

Non-process dust control (roads and piles)

See page 5 to determine your facility size.

Check appropriate boxes and record indicated information on the calendar below.

Small facility

☐ Prevent "avoidable amounts of dust" from becoming airborne.

Medium facility

☐ Prevent "avoidable amounts of dust" from becoming airborne.

☐ Have on file application guidelines of commercially available suppressant.

On the calendar below:

Enter data on dates when dust suppressant is required:
☐ Time dust control is applied (Time)
☐ Initials of person controlling dust (Initials)
☐ Amount of water applied in gallons (Amt H_2O)

Large facility

☐ Prevent "avoidable amounts of dust" from becoming airborne.

☐ Have on file application guidelines of commercially available suppressant.

☐ Unpaved roads posted with a max. 10 mph sign.

☐ Water or dust suppressant equipment is available at the site or on call within any given operating day.

On the calendar below:

Enter data on each day of operation:
☐ Time dust control is applied (time)
☐ Initials of person controlling dust (initials)
☐ Amount of water applied in gallons (amt H_2O)
☐ Location(s) of water or dust suppressant application (location)
☐ Precipitation in previous 24 hrs. for each day of operation from a rain gauge located on-site (precip)
☐ Basic weather observations—see weather summary criteria on page 4 (weather)

[a] **Permit limits.** Refer to page 5 for designation size and production limits. There are two options to comply with production limits in your permit: 1) 12-month rolling sum limit (record total aggregate produced on last page) OR 2) Monthly limit (annual production limit ÷ 12).

[b] **Emission Inventory.** Record the information in this log on the last page.

[c] Enter total on last page.

[d]1) Samples are to be collected, analyzed, and recorded weekly until 3 consecutive samples at one location show aggregate moisture contents of 1.5% or greater. If less than 1.5%, daily record the percent moisture, date, waterflow rate, material throughput rate, initials of person making recording, and time the record was made. Record this information on the actual calendar day. OR 2) Indicate the source of the feed material if it is removed from below the water table or the surface of a waterway (e.g., creek, river, lake) or is recycled asphalt pavement. ASTM method used column does not apply with this second option.

February

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date: Medium facilities only need to complete these three.	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:
Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:
Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:
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Due this month: ☐ Monthly stormwater inspection completed

Monthly aggregate production log [a, b]

Total aggregate produced (tons)	Crushed (tons processed x no. times crushed)	Screened (tons processed x no. times screened)	Transferred (tons processed x no. times transferred)

Weekly fuel usage log

Date	Diesel	Gasoline	Natural gas	Propane
Monthly total used[c]				

Weekly moisture content log (see page 4 for more details)

Date	Initials	Moisture % or source[d]	ASTM method used
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93

Monthly stormwater inspection   Name of inspector:

Date & time	Findings, recommendations, corrective actions	☐ Changes to P2 Plan

Did you collect and analyze a stormwater sample this month?
☐ No   ☐ Yes, 1st sample   ☐ Yes, 2nd sample   ☐ Yes, 3rd sample   ☐ Yes, 4th sample

Monthly stormwater inspections must include: 1) date and time of inspections, 2) name of person(s) conducting inspections, 3) findings of inspections, including recommendations for corrective actions, 4) corrective actions taken, and 5) documentation of any changes to the pollution prevention plan (P2 Plan).

One inspection per year must be done during rain or snowmelt. One additional inspection must be done during snowmelt.

Non-process dust control (roads and piles)

See page 5 to determine your facility size.

Check appropriate boxes and record indicated information on the calendar below.

Small facility

☐ Prevent "avoidable amounts of dust" from becoming airborne.

Medium facility

☐ Prevent "avoidable amounts of dust" from becoming airborne. ☐ Have on file application guidelines of commercially available suppressant.	**On the calendar below:** Enter data on dates when dust suppressant is required: ☐ Time dust control is applied (Time) ☐ Initials of person controlling dust (Initials) ☐ Amount of water applied in gallons (Amt H_2O)

Large facility

☐ Prevent "avoidable amounts of dust" from becoming airborne. ☐ Have on file application guidelines of commercially available suppressant. ☐ Unpaved roads posted with a max. 10 mph sign. ☐ Water or dust suppressant equipment is available at the site or on call within any given operating day.	**On the calendar below:** Enter data on each day of operation: ☐ Time dust control is applied (time) ☐ Initials of person controlling dust (initials) ☐ Amount of water applied in gallons (amt H_2O) ☐ Location(s) of water or dust suppressant application (location) ☐ Precipitation in previous 24 hrs. for each day of operation from a rain gauge located on-site (precip) ☐ Basic weather observations—see weather summary criteria on page 4 (weather)

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March

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date: Medium facilities only need to complete these three.	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:
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Due this month: ☐ Monthly stormwater inspection completed

Monthly aggregate production log [a, b]

Total aggregate produced (tons)	Crushed (tons processed x no. times crushed)	Screened (tons processed x no. times screened)	Transferred (tons processed x no. times transferred)

Weekly fuel usage log

Date	Diesel	Gasoline	Natural gas	Propane
Monthly total used[c]				

Weekly moisture content log (see page 4 for more details)

Date	Initials	Moisture % or source[d]	ASTM method used
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93

Monthly stormwater inspection   Name of inspector:

Date & time	Findings, recommendations, corrective actions	☐ Changes to P2 Plan

Did you collect and analyze a stormwater sample this month?
☐ No   ☐ Yes, 1st sample   ☐ Yes, 2nd sample   ☐ Yes, 3rd sample   ☐ Yes, 4th sample

Monthly stormwater inspections must include: 1) date and time of inspections, 2) name of person(s) conducting inspections, 3) findings of inspections, including recommendations for corrective actions, 4) corrective actions taken, and 5) documentation of any changes to the pollution prevention plan (P2 Plan).

One inspection per year must be done during rain or snowmelt. One additional inspection must be done during snowmelt.

Non-process dust control (roads and piles)

See page 5 to determine your facility size.

Check appropriate boxes and record indicated information on the calendar below.

Small facility

☐ Prevent "avoidable amounts of dust" from becoming airborne.

Medium facility

☐ Prevent "avoidable amounts of dust" from becoming airborne. ☐ Have on file application guidelines of commercially available suppressant.	**On the calendar below:** Enter data on dates when dust suppressant is required: ☐ Time dust control is applied (Time) ☐ Initials of person controlling dust (Initials) ☐ Amount of water applied in gallons (Amt H_2O)

Large facility

☐ Prevent "avoidable amounts of dust" from becoming airborne. ☐ Have on file application guidelines of commercially available suppressant. ☐ Unpaved roads posted with a max. 10 mph sign. ☐ Water or dust suppressant equipment is available at the site or on call within any given operating day.	**On the calendar below:** Enter data on each day of operation: ☐ Time dust control is applied (time) ☐ Initials of person controlling dust (initials) ☐ Amount of water applied in gallons (amt H_2O) ☐ Location(s) of water or dust suppressant application (location) ☐ Precipitation in previous 24 hrs. for each day of operation from a rain gauge located on-site (precip) ☐ Basic weather observations—see weather summary criteria on page 4 (weather)

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April

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date: Medium facilities only need to complete these three.	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:
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Due this month: ☐ Monthly stormwater inspection completed   ☐ Quarterly discharge monitoring report (DMR) for pit dewatering due April 21
☐ Air emissions inventory due April 1

May

Monthly aggregate production log [a, b]

Total aggregate produced (tons)	Crushed (tons processed x no. times crushed)	Screened (tons processed x no. times screened)	Transferred (tons processed x no. times transferred)

Weekly fuel usage log

Date	Diesel	Gasoline	Natural gas	Propane
Monthly total used[c]				

Weekly moisture content log (see page 4 for more details)

Date	Initials	Moisture % or source[d]	ASTM method used
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93

Monthly stormwater inspection   Name of inspector:

Date & time	Findings, recommendations, corrective actions	☐ Changes to P2 Plan

Did you collect and analyze a stormwater sample this month?
☐No   ☐Yes, 1st sample   ☐Yes, 2nd sample   ☐Yes, 3rd sample   ☐Yes, 4th sample

Monthly stormwater inspections must include: 1) date and time of inspections, 2) name of person(s) conducting inspections, 3) findings of inspections, including recommendations for corrective actions, 4) corrective actions taken, and 5) documentation of any changes to the pollution prevention plan (P2 Plan).

One inspection per year must be done during rain or snowmelt. One additional inspection must be done during snowmelt.

Non-process dust control (roads and piles)

See page 5 to determine your facility size.

Check appropriate boxes and record indicated information on the calendar below.

Small facility

☐ Prevent "avoidable amounts of dust" from becoming airborne.

Medium facility

☐ Prevent "avoidable amounts of dust" from becoming airborne.	**On the calendar below:** Enter data on dates when dust suppressant is required: ☐ Time dust control is applied (Time) ☐ Initials of person controlling dust (Initials) ☐ Amount of water applied in gallons (Amt H_2O)
☐ Have on file application guidelines of commercially available suppressant.	

Large facility

☐ Prevent "avoidable amounts of dust" from becoming airborne.	**On the calendar below:** Enter data on each day of operation: ☐ Time dust control is applied (time) ☐ Initials of person controlling dust (initials) ☐ Amount of water applied in gallons (amt H_2O) ☐ Location(s) of water or dust suppressant application (location)
☐ Have on file application guidelines of commercially available suppressant.	☐ Precipitation in previous 24 hrs. for each day of operation from a rain gauge located on-site (precip)
☐ Unpaved roads posted with a max. 10 mph sign.	☐ Basic weather observations—see weather summary criteria on page 4 (weather)
☐ Water or dust suppressant equipment is available at the site or on call within any given operating day.	

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[b] **Emission Inventory.** Record the information in this log on the last page.

[c] Enter total on last page.

[d] 1) Samples are to be collected, analyzed, and recorded weekly until 3 consecutive samples at one location show aggregate moisture contents of 1.5% or greater. If less than 1.5%, daily record the percent moisture, date, waterflow rate, material throughput rate, initials of person making recording, and time the record was made. Record this information on the actual calendar day. OR 2) Indicate the source of the feed material if it is removed from below the water table or the surface of a waterway (e.g., creek, river, lake) or is recycled asphalt pavement. ASTM method used column does not apply with this second option.

May

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date: _Medium facilities only need to complete these three._	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:
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Due this month: ☐ Monthly stormwater inspection completed

Reminder: Annual training is required for staff responsible for carrying out your pollution prevention plan. Train staff on the goals and components of the plan. Document in your plan how and when employees are trained.

Monthly aggregate production log [a, b]

Total aggregate produced (tons)	Crushed (tons processed x no. times crushed)	Screened (tons processed x no. times screened)	Transferred (tons processed x no. times transferred)

Weekly fuel usage log

Date	Diesel	Gasoline	Natural gas	Propane
Monthly total used[c]				

Weekly moisture content log (see page 4 for more details)

Date	Initials	Moisture % or source[d]	ASTM method used
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			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93

Monthly stormwater inspection   Name of inspector:

Date & time	Findings, recommendations, corrective actions	☐ Changes to P2 Plan

Did you collect and analyze a stormwater sample this month?
☐No   ☐Yes, 1st sample   ☐Yes, 2nd sample   ☐Yes, 3rd sample   ☐Yes, 4th sample

Monthly stormwater inspections must include: 1) date and time of inspections, 2) name of person(s) conducting inspections, 3) findings of inspections, including recommendations for corrective actions, 4) corrective actions taken, and 5) documentation of any changes to the pollution prevention plan (P2 Plan).

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Medium facility

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On the calendar below:

Enter data on dates when dust suppressant is required:
☐ Time dust control is applied (Time)
☐ Initials of person controlling dust (Initials)
☐ Amount of water applied in gallons (Amt H_2O)

Large facility

☐ Prevent "avoidable amounts of dust" from becoming airborne.

☐ Have on file application guidelines of commercially available suppressant.

☐ Unpaved roads posted with a max. 10 mph sign.

☐ Water or dust suppressant equipment is available at the site or on call within any given operating day.

On the calendar below:

Enter data on each day of operation:
☐ Time dust control is applied (time)
☐ Initials of person controlling dust (initials)
☐ Amount of water applied in gallons (amt H_2O)
☐ Location(s) of water or dust suppressant application (location)
☐ Precipitation in previous 24 hrs. for each day of operation from a rain gauge located on-site (precip)
☐ Basic weather observations—see weather summary criteria on page 4 (weather)

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[b] **Emission Inventory.** Record the information in this log on the last page.

[c] Enter total on last page.

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June

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date: *Medium facilities only need to complete these three.*	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:
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Due this month: ☐ Monthly stormwater inspection completed

Reminder: Review your pollution prevention plan annually. Update the plan if there are changes at your site that affect stormwater or wastewater management or compliance with your MNG490000 permit.

July

Monthly aggregate production log [a, b]

Total aggregate produced (tons)	Crushed (tons processed x no. times crushed)	Screened (tons processed x no. times screened)	Transferred (tons processed x no. times transferred)

Weekly fuel usage log

Date	Diesel	Gasoline	Natural gas	Propane
Monthly total used[c]				

Weekly moisture content log (see page 4 for more details)

Date	Initials	Moisture % or source[d]	ASTM method used
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93

Monthly stormwater inspection   Name of inspector:

Date & time	Findings, recommendations, corrective actions	☐ Changes to P2 Plan

Did you collect and analyze a stormwater sample this month?
☐No   ☐Yes, 1st sample   ☐Yes, 2nd sample   ☐Yes, 3rd sample   ☐Yes, 4th sample

Monthly stormwater inspections must include: 1) date and time of inspections, 2) name of person(s) conducting inspections, 3) findings of inspections, including recommendations for corrective actions, 4) corrective actions taken, and 5) documentation of any changes to the pollution prevention plan (P2 Plan).

One inspection per year must be done during rain or snowmelt. One additional inspection must be done during snowmelt.

Non-process dust control (roads and piles)

See page 5 to determine your facility size.

Check appropriate boxes and record indicated information on the calendar below.

Small facility

☐ Prevent "avoidable amounts of dust" from becoming airborne.

Medium facility

☐ Prevent "avoidable amounts of dust" from becoming airborne.

☐ Have on file application guidelines of commercially available suppressant.

On the calendar below:

Enter data on dates when dust suppressant is required:
☐ Time dust control is applied (Time)
☐ Initials of person controlling dust (Initials)
☐ Amount of water applied in gallons (Amt H_2O)

Large facility

☐ Prevent "avoidable amounts of dust" from becoming airborne.

☐ Have on file application guidelines of commercially available suppressant.

☐ Unpaved roads posted with a max. 10 mph sign.

☐ Water or dust suppressant equipment is available at the site or on call within any given operating day.

On the calendar below:

Enter data on each day of operation:
☐ Time dust control is applied (time)
☐ Initials of person controlling dust (initials)
☐ Amount of water applied in gallons (amt H_2O)
☐ Location(s) of water or dust suppressant application (location)
☐ Precipitation in previous 24 hrs. for each day of operation from a rain gauge located on-site (precip)
☐ Basic weather observations—see weather summary criteria on page 4 (weather)

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July

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Date: *Medium facilities only need to complete these three.*	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:
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Due this month: ☐ Monthly stormwater inspection completed   ☐ Quarterly discharge monitoring report (DMR) for pit dewatering due July 21
☐ Air semiannual deviations report (NM-DRF) due by July 30

Monthly aggregate production log [a, b]

Total aggregate produced (tons)	Crushed (tons processed x no. times crushed)	Screened (tons processed x no. times screened)	Transferred (tons processed x no. times transferred)

Weekly fuel usage log

Date	Diesel	Gasoline	Natural gas	Propane
Monthly total used[c]				

Weekly moisture content log (see page 4 for more details)

Date	Initials	Moisture % or source[d]	ASTM method used
			☐ D2216-92 ☐ D4643-93
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			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93
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Monthly stormwater inspection   Name of inspector:

Date & time	Findings, recommendations, corrective actions	☐ Changes to P2 Plan

Did you collect and analyze a stormwater sample this month?
☐ No   ☐ Yes, 1st sample   ☐ Yes, 2nd sample   ☐ Yes, 3rd sample   ☐ Yes, 4th sample

Monthly stormwater inspections must include: 1) date and time of inspections, 2) name of person(s) conducting inspections, 3) findings of inspections, including recommendations for corrective actions, 4) corrective actions taken, and 5) documentation of any changes to the pollution prevention plan (P2 Plan).

One inspection per year must be done during rain or snowmelt. One additional inspection must be done during snowmelt.

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On the calendar below:

Enter data on each day of operation:
☐ Time dust control is applied (time)
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☐ Amount of water applied in gallons (amt H_2O)
☐ Location(s) of water or dust suppressant application (location)
☐ Precipitation in previous 24 hrs. for each day of operation from a rain gauge located on-site (precip)
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August

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date: Medium facilities only need to complete these three.	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:
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Due this month: ☐ Monthly stormwater inspection completed

Monthly aggregate production log [a, b]

Total aggregate produced (tons)	Crushed (tons processed x no. times crushed)	Screened (tons processed x no. times screened)	Transferred (tons processed x no. times transferred)

Weekly fuel usage log

Date	Diesel	Gasoline	Natural gas	Propane
Monthly total used[c]				

Weekly moisture content log (see page 4 for more details)

Date	Initials	Moisture % or source[d]	ASTM method used
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Monthly stormwater inspection   Name of inspector:

Date & time	Findings, recommendations, corrective actions	☐ Changes to P2 Plan

Did you collect and analyze a stormwater sample this month?
☐No   ☐Yes, 1st sample   ☐Yes, 2nd sample   ☐Yes, 3rd sample   ☐Yes, 4th sample

Monthly stormwater inspections must include: 1) date and time of inspections, 2) name of person(s) conducting inspections, 3) findings of inspections, including recommendations for corrective actions, 4) corrective actions taken, and 5) documentation of any changes to the pollution prevention plan (P2 Plan).

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Enter data on each day of operation:
☐ Time dust control is applied (time)
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☐ Amount of water applied in gallons (amt H_2O)
☐ Location(s) of water or dust suppressant application (location)
☐ Precipitation in previous 24 hrs. for each day of operation from a rain gauge located on-site (precip)
☐ Basic weather observations—see weather summary criteria on page 4 (weather)

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September

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date: _Medium facilities only need to complete these three._	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:
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Due this month: ☐ Monthly stormwater inspection completed

Monthly aggregate production log [a, b]

Total aggregate produced (tons)	Crushed (tons processed x no. times crushed)	Screened (tons processed x no. times screened)	Transferred (tons processed x no. times transferred)

Weekly fuel usage log

Date	Diesel	Gasoline	Natural gas	Propane
Monthly total used[c]				

Weekly moisture content log (see page 4 for more details)

Date	Initials	Moisture % or source[d]	ASTM method used
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Monthly stormwater inspection   Name of inspector:

Date & time	Findings, recommendations, corrective actions	☐ Changes to P2 Plan

Did you collect and analyze a stormwater sample this month?
☐No   ☐Yes, 1st sample   ☐Yes, 2nd sample   ☐Yes, 3rd sample   ☐Yes, 4th sample

Monthly stormwater inspections must include: 1) date and time of inspections, 2) name of person(s) conducting inspections, 3) findings of inspections, including recommendations for corrective actions, 4) corrective actions taken, and 5) documentation of any changes to the pollution prevention plan (P2 Plan).

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Medium facility

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Large facility

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October

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Due this month: ☐ Monthly stormwater inspection completed   ☐ Quarterly discharge monitoring report (DMR) for pit dewatering due October 21

Monthly aggregate production log [a, b]

Total aggregate produced (tons)	Crushed (tons processed x no. times crushed)	Screened (tons processed x no. times screened)	Transferred (tons processed x no. times transferred)

Weekly fuel usage log

Date	Diesel	Gasoline	Natural gas	Propane
Monthly total used[c]				

Weekly moisture content log (see page 4 for more details)

Date	Initials	Moisture % or source[d]	ASTM method used
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93

Monthly stormwater inspection   Name of inspector:

Date & time	Findings, recommendations, corrective actions	☐ Changes to P2 Plan

Did you collect and analyze a stormwater sample this month?
☐ No ☐ Yes, 1st sample ☐ Yes, 2nd sample ☐ Yes, 3rd sample ☐ Yes, 4th sample

Monthly stormwater inspections must include: 1) date and time of inspections, 2) name of person(s) conducting inspections, 3) findings of inspections, including recommendations for corrective actions, 4) corrective actions taken, and 5) documentation of any changes to the pollution prevention plan (P2 Plan).

One inspection per year must be done during rain or snowmelt. One additional inspection must be done during snowmelt.

Non-process dust control (roads and piles)

See page 5 to determine your facility size.

Check appropriate boxes and record indicated information on the calendar below.

Small facility

☐ Prevent "avoidable amounts of dust" from becoming airborne.

Medium facility

☐ Prevent "avoidable amounts of dust" from becoming airborne.

☐ Have on file application guidelines of commercially available suppressant.

On the calendar below:

Enter data on dates when dust suppressant is required:
☐ Time dust control is applied (Time)
☐ Initials of person controlling dust (Initials)
☐ Amount of water applied in gallons (Amt H_2O)

Large facility

☐ Prevent "avoidable amounts of dust" from becoming airborne.

☐ Have on file application guidelines of commercially available suppressant.

☐ Unpaved roads posted with a max. 10 mph sign.

☐ Water or dust suppressant equipment is available at the site or on call within any given operating day.

On the calendar below:

Enter data on each day of operation:
☐ Time dust control is applied (time)
☐ Initials of person controlling dust (initials)
☐ Amount of water applied in gallons (amt H_2O)
☐ Location(s) of water or dust suppressant application (location)
☐ Precipitation in previous 24 hrs. for each day of operation from a rain gauge located on-site (precip)
☐ Basic weather observations—see weather summary criteria on page 4 (weather)

[a] **Permit limits.** Refer to page 5 for designation size and production limits. There are two options to comply with production limits in your permit: 1) 12-month rolling sum limit (record total aggregate produced on last page) OR 2) Monthly limit (annual production limit ÷ 12).

[b] **Emission Inventory.** Record the information in this log on the last page.

[c] Enter total on last page.

[d] 1) Samples are to be collected, analyzed, and recorded weekly until 3 consecutive samples at one location show aggregate moisture contents of 1.5% or greater. If less than 1.5%, daily record the percent moisture, date, waterflow rate, material throughput rate, initials of person making recording, and time the record was made. Record this information on the actual calendar day. OR 2) Indicate the source of the feed material if it is removed from below the water table or the surface of a waterway (e.g., creek, river, lake) or is recycled asphalt pavement. ASTM method used column does not apply with this second option.

November

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date: Medium facilities only need to complete these three.	Medium facilities only need to complete these three. Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:
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Due this month: ☐ Monthly stormwater inspection completed

Monthly aggregate production log [a, b]

Total aggregate produced (tons)	Crushed (tons processed x no. times crushed)	Screened (tons processed x no. times screened)	Transferred (tons processed x no. times transferred)

Weekly fuel usage log

Date	Diesel	Gasoline	Natural gas	Propane
Monthly total used[c]				

Weekly moisture content log (see page 4 for more details)

Date	Initials	Moisture % or source[d]	ASTM method used
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93
			☐ D2216-92 ☐ D4643-93

Monthly stormwater inspection   Name of inspector:

Date & time	Findings, recommendations, corrective actions	☐ Changes to P2 Plan

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☐No   ☐Yes, 1st sample   ☐Yes, 2nd sample   ☐Yes, 3rd sample   ☐Yes, 4th sample

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☐ Amount of water applied in gallons (amt H_2O)
☐ Location(s) of water or dust suppressant application (location)
☐ Precipitation in previous 24 hrs. for each day of operation from a rain gauge located on-site (precip)
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[d] 1) Samples are to be collected, analyzed, and recorded weekly until 3 consecutive samples at one location show aggregate moisture contents of 1.5% or greater. If less than 1.5%, daily record the percent moisture, date, waterflow rate, material throughput rate, initials of person making recording, and time the record was made. Record this information on the actual calendar day. OR 2) Indicate the source of the feed material if it is removed from below the water table or the surface of a waterway (e.g., creek, river, lake) or is recycled asphalt pavement. ASTM method used column does not apply with this second option.

December

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date: Medium facilities only need to complete these three.	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:	Date: Time: Initials: Amt H_2O: Locations: Precip: Weather:
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Due this month: ☐ Monthly stormwater inspection completed

Summary logs

Use this page to determine compliance status with production limits in permit and to complete the **annual** air emission inventory.

Annual aggregate production/process log

Month	Total aggregate produced (tons)	12-month rolling sum[1] (tons)	Crushed (tons)	Screened (tons)	Transferred (tons)
January					
February					
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					
Total					

[1] A 12-month rolling sum is a total of the current month's throughput plus the past 11 months. If less than 12 months of data, refer to page 13 of permit to demonstrate compliance.

Annual fuel usage log[2]

Month	Diesel		Gasoline		☐ Natural gas ☐ Propane	
	Monthly	12-month rolling sum	Monthly	12-month rolling sum	Monthly	12-month rolling sum
January						
February						
March						
April						
May						
June						
July						
August						
September						
October						
November						
December						
Total						

[2] If using one fuel, limits are found on page 3. If using multiple fuels, complete and retain form NM-EN by the 15th of the following month.

Looking for next year's calendar?

Search "Aggregate Compliance Calendar" on the
Minnesota Pollution Control Agency website
https://www.pca.state.mn.us/ to download and
print a calendar.

Request one by contacting the
Small Business Environmental Assistance Program
at smallbizhelp.pca@state.mn.us or call 651-282-6143.