

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
GENERAL WASTEWATER DISPOSAL PERMIT FOR MOBILE CONCRETE BATCH PLANTS
GENERAL PERMIT NO. OKG11MT**

GENERAL PROVISIONS

As provided by the Oklahoma Pollutant Discharge Elimination System Act (the OPDES Act), Title 27A O.S. §2-14-305 and §2-6-201 *et seq.*, and the Rules of the Oklahoma Department of Environmental Quality (DEQ), owners or operators of mobile concrete batch plants will be authorized to construct and operate total retention surface impoundment(s) and/or land apply wastewater at temporary job sites within the boundaries of the State of Oklahoma in accordance with requirements and conditions set forth in Parts I, II, and III hereof. This General Permit (Permit) does not specify the disposal/treatment method(s) that the permittee must use. This Permit will regulate any combination of the above-listed wastewater disposal/treatment options, and will cover only non-discharging (total retention) facilities.

Each mobile concrete batch plant will require an Authorization to dispose of wastewater (Authorization) obtained from the Executive Director of the DEQ or the designee. Owners or operators of mobile concrete batch plant facilities located within the boundaries of the State of Oklahoma must submit the application Form 616-OKG11MT to the DEQ requesting that they be authorized to operate a mobile concrete batch plant at temporary job sites. The Authorization will allow the owner/operator to treat and dispose of wastewater in temporary total retention surface impoundment(s) at the job site under this Permit. The Authorization must be obtained prior to commencing operation of the mobile concrete batch plant. Owners or operators within the scope of this Permit who fail to make a written request to the DEQ are not authorized to operate a mobile concrete batch plant at a temporary job site or to treat and/or dispose of wastewater under this Permit.

Existing mobile concrete batch plants that are not currently permitted by the DEQ through individual wastewater disposal permits shall apply for coverage under this Permit within 90 days of the effective date of this Permit. New mobile concrete batch plants shall obtain an Authorization prior to commencing any of the activities regulated by this Permit.

The permittee is authorized to manage process wastewater and contaminated stormwater runoff associated with the following three common activities: (1) mix plant area washdown (if dry brush cleanup methods are not utilized); (2) truck mixer drum washout; and (3) external truck wash and oil spray down. There shall be no discharge of wastewater from any job sites.

The Permit authorizes to use temporary surface impoundment(s) to treat and/or disposal of wastewater in accordance with requirements for surface impoundment(s) contained in Part I hereof. The wastewater contained in temporary surface impoundment(s) may be recycled in concrete make-up or wash water. Land application of wastewater is authorized by the Permit, in accordance with requirements for land application contained in Part I hereof, for the purpose of dust suppression only.

The permittee shall comply with all provisions of this Permit and any Authorization issued pursuant to it.

Issuance of this Permit in no way or in any respect affects the permittee's civil or criminal responsibility regarding disposal of wastewater, except with respect to the permittee's legal responsibility under 27A O.S. §2-6-201 *et seq.* and DEQ Rules to obtain an Authorization under this Permit.

This Permit shall have a five (5) year term. All Authorizations issued under this Permit shall expire on the expiration date of the Permit.

This Permit replaces and/or supersedes OPDES Permit No. OKG11MT that was issued on June 8, 2007 and shall expire on June 7, 2012.

This Permit shall become effective on June 8, 2012.

This Permit, and any Authorizations issued under it shall expire at midnight, on June 7, 2017.

Issued on this 5^h day of June, 2012.

For Oklahoma Department of Environmental Quality

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PART I**EFFLUENT LIMITATIONS AND OTHER REQUIREMENTS****SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

Discharge of wastewater is not allowed under this Permit.

SECTION B. SURFACE IMPOUNDMENTS

The use of surface impoundment(s) for treatment and/or disposal of wastewater at mobile concrete batch plants is authorized, subject to additional State requirements as specified below and in the General Permit No. OKG11MT, in accordance with OAC 252:616.

1. Wastewater Classification

The wastewater generated from routine operations of concrete batch plants is classified as Class III wastewater in accordance with OAC 252:616-1-2.

2. Construction Requirements

All surface impoundments shall be constructed and maintained in accordance with OAC 252:616-7-1. In addition, the following conditions shall also apply:

- a. Inner and outer dike or berm slopes shall not exceed 1 vertical to 2 horizontal (1:2) on all temporary total retention surface impoundments when the temporary job site will be utilized for less than 180 days.
- b. Inner and outer dike or berm slopes shall not exceed 1 vertical to 3 horizontal (1:3) on all temporary total retention surface impoundments when the temporary job site will be utilized for greater than 180 days.

Because the berm height will be low it is not necessary to construct berms with flat tops in order to inspect the berms for erosion.

3. Depth to Groundwater

The location of temporary surface impoundments shall be in accordance with the requirements of OAC 252:616-7-1(4). Specific conditions shall be defined in the Authorization.

4. Freeboard Requirements

A minimum freeboard of one (1) foot shall be maintained on all temporary total retention surface impoundments when the temporary job site will be utilized for less than 180 days. If the water level reaches the one (1) foot freeboard level, another impoundment must be constructed and used for any additional wastewater generated at the site.

A minimum freeboard of three (3) feet shall be maintained on all temporary total retention surface impoundments when the temporary job site will be utilized for greater than 180 days. If the water level reaches the three (3) feet of freeboard level, another impoundment must be constructed and used for any additional wastewater generated at the site.

5. Liner Requirements

A native soil liner may be used for temporary surface impoundments. Liner materials and construction shall be in compliance with requirements of OAC 252:616-7-1(8) and (9) and OAC 252:616-7-2 and 7-3.

Concrete liners are allowed at mobile concrete batch plants. However, a concrete liner must be constructed in compliance with requirements of OAC 252:616-7-1(9) and OAC 252:616-7-7.

6. Specific Requirements

- a. Based on information submitted by the applicant, each Authorization will include the specific requirements for surface impoundment design, permit inspection, and applicable DEQ rules.
- b. There shall not be any visible sheen of oil at any time in the surface impoundment(s).
- c. Pursuant to OAC 252:616-5-1, industrial wastewater systems shall not be located in flood ways. If any surface impoundment(s) is located in a flood plain, the permittee shall ensure that the crest elevation of dikes/berms must be at least one foot above the 100-year flood elevation in accordance with OAC 252:616-5-1.
- d. The permittee shall restrict access to industrial wastewater systems sites by fences, secured gates, or other reasonable means in accordance with OAC 252:616-5-1(c). The permittee shall also post a sign listing the name of the operator, an emergency phone number, and the DEQ permit number.

SECTION C. RECYCLABLE CONCRETE MATERIAL AND DISPOSAL OF OTHER SOLIDS

Recyclable concrete material recovered from the scatter pile, impoundments and/or other means may be removed from the facility and may also be used by the applicant at the permitted facility at any time. No records are required.

SECTION D. LAND APPLICATION AND BENEFICIAL REUSE OF WASTEWATER

Land application of wastewater for dust suppression only at mobile concrete batch plants is authorized, subject to additional State requirements as specified below, in accordance with OAC 252:616-11. The wastewater covered under this Authorization is classified as Class III wastewater in accordance with OAC 252:616-1-2.

- a. The wastewater to be land applied shall be free of visible sheen of oil or globules of oil or grease and shall have a pH between 6.5 s.u. and 9.0 s.u.
- b. The wastewater to be land applied for dust suppression shall be visually inspected prior to land application. An inspection log shall be maintained at the site and made available to DEQ upon request.
- c. There shall be no land application of wastewater in areas where the depth to the maximum seasonal groundwater level is less than two (2) feet in accordance with OAC 252:616-5-1(b)(E).
- d. There shall be no land application of wastewater during periods of precipitation or when soil is saturated or frozen.
- e. There shall be no runoff of wastewater from the land application sites.

- f. The permittee shall keep a log book which records the time and date, the source and the volume of wastewater used, and the area which was dust suppressed. This log book shall be maintained at the site and made available to the DEQ upon request.

The process wastewater that is reused back into the concrete mixture is exempt from monitoring requirements.

SECTION E. CLOSURE REQUIREMENTS

Each owner/operator of a mobile concrete batch plant requesting to be authorized pursuant to the terms and conditions of this General Permit shall submit a Closure Plan (Plan) to the DEQ that describes a generic methodology that will be used for the closure of surface impoundment(s) at each temporary job site.

The Plan shall be submitted and receive DEQ approval prior to the issuance of an Authorization. The permittee may submit a Plan concurrently with the initial Authorization application. This Plan is intended to meet the requirements of OAC 252:616-13-3. It is the best professional judgment (BPJ) of the permit writer that a professional engineer is not required to design and prepares the Plan if it contains the following information.

The Plan shall include at a minimum of the following information:

- a. **Background:** Describe the activities that took place at the site during the life of the impoundment(s).
- b. **Proposed closure activities:** Please indicate what will be done with the water and the sludge remaining in the impoundment(s):
 - (1) Wastewater in the surface impoundment(s): The following options are available for any wastewater remaining in the impoundment(s) at the time of closure:
 - allowed to evaporate
 - pumped out and disposed of at a POTW
 - used in industrial process
 - used for dust suppression on-site
 - (2) Sludge in the surface impoundment(s): The following options are available for any sludge remaining in the impoundment(s) at the time of closure:
 - removed and taken to a landfill
 - removed and taken to a company for recycling
 - leave in place
- c. **Backfill:** Include a discussion of the material to be used as backfill, sampling used to determine the characteristics of the backfill material, and the method of placement and compaction to be employed.
- d. **Disposal:** Describe the disposal method and/or recycle/reuse of any material associated with the impoundment(s), i.e. piping, liner material, etc.
- e. **Certification of Closure:** Within *ten (10) days* after closure of all temporary impoundments, the owner/operator of the mobile concrete batch plant shall submit an affidavit of closure to the DEQ certifying that all surface impoundments were closed in accordance with the requirements of OAC 252:616-13 and the approved Closure Plan.

The permittee must close all surface impoundments at a temporary job site in accordance with the approved

Closure Plan within *fifteen (15) days* of moving/relocating of the batch plant at a new job site or temporary location.

SECTION F. RELOCATION NOTIFICATION

The permittee shall notify the DEQ within *seven (7) days* each time the mobile concrete batch plant is moved to a new location. The notification shall state the complete address and legal location of the site where the mobile concrete batch plant is to be located, an estimate on how long the plant is expected to be at the site, and if any surface impoundments will be used at the new job site.

The notification document shall include a completed **Form 616-G11MTR** for the new job site.

SECTION G. ACKNOWLEDGEMENT

Within *seven (7) days* after receipt of a relocation notification, the DEQ will provide a written statement acknowledging receipt of the notification.

PART II
OTHER PERMIT REQUIREMENTS

A. The permittee is hereby given notice that this permit is in all respects subject to compliance with and actions under any and all applicable and relevant terms, conditions, provisions and requirements and any and all amendments of the laws of the State of Oklahoma, the rules of the Oklahoma Department of Environmental Quality, and Oklahoma's Water Quality Standards. The absence of any express reference within this permit of any particular statutory requirement, rule(s), regulation(s), or standard(s) shall in no respect be deemed or construed to exempt or preclude the application of such requirement, rule(s), regulation(s), or standard(s) to this Permit or the permittee. By the Director's approval, grant, and issuance of this Permit, the permittee acknowledges receipt of true, correct, and current copies of Oklahoma's Water Quality Standards and the rules of the DEQ, provided, however, that permittee further acknowledges that any and all amendments thereto shall become part of this Permit.

B. Individual Permits

- a. Any permittee authorized by this Permit may request to be excluded from the coverage of this General Permit by applying for an individual permit or another type of General Permit if applicable. The permittee shall submit the appropriate OPDES application forms together with the reasons supporting the request to the Water Quality Division of the DEQ.
- b. The owner/operator of a mobile concrete batch plant permit that wishes to discharge wastewater at a temporary job site must obtain an individual discharge permit. The permittee shall submit the appropriate OPDES application forms together with the reasons supporting the request to the Water Quality Division of the DEQ.
- c. When an individual OPDES permit is issued to a permittee otherwise subject to this General Permit, the applicability of this Permit to that owner or permittee is automatically terminated on the effective date of the individual permit.
- d. A mobile concrete batch plant excluded from coverage under this General Permit solely because it already has an individual wastewater disposal permit may request that its individual permit be converted to this General Permit. Upon conversion from the individual permit, this General Permit shall apply and the individual permit will be terminated.

C. Laws and Rules Applicable

The DEQ Rules, as amended, are applicable to and are incorporated by reference into this Permit and any Authorizations under it. The permittee is hereby given notice that this Permit is in all respects subject to compliance with and actions under any and all applicable and relevant terms, conditions, provisions, and requirements and all amendments of the laws of the State of Oklahoma and the DEQ Rules. The absence of any express reference within this permit to any particular statutory requirement, rule(s), regulation(s), or standard(s) shall in no respect be deemed or construed to exempt or preclude the application of such requirement, rule(s), regulation(s), or standard(s), to this Permit. By DEQ approval, grant, and issuance of this Permit, the permittee acknowledges responsibility to obtain true, correct, and current copies of applicable DEQ Rules (as amended), provided, however, that permittee further acknowledges that any and all amendments thereto shall become a part of this Permit.