



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
 MISSOURI GEOLOGICAL SURVEY  
 LAND RECLAMATION PROGRAM

**SAND AND GRAVEL EXCAVATION PLAN – 10 CSR 40-10.020(2)(D)4**

PERMIT NAME		PERMIT NUMBER	COUNTY
SITE NAME		SITE NUMBER	LONG TERM ACRES
RIVER OR STREAM NAME			ESTIMATED TONS PER YEAR
LAND GRANT	SECTION	TOWNSHIP	RANGE

Is this Sand and Gravel Excavation Plan boundary located 1,000 ft. or closer to the property boundary of an accredited school that has been established for five or more years?  Yes  No  Not Applicable

Estimated operation end date (this will be used in the public notice process):

**Note:** Each site must be shown on a locator map, a detail map, and must be published in a public notice after the program deems the application complete.

PERFORMANCE REQUIREMENTS - 10 CSR 40-10.050(14)	Variance Requested
1. Excavation of sand or gravel deposits shall be limited to deposits in unconsolidated areas containing primarily smaller material (at least 85 percent of the material is less than three inches in diameter) that is loosely packed and contains no woody perennial vegetation greater than 1 ½ inches in diameter when measured at breast height of 4 ½ feet.	<input type="checkbox"/>
2. An undisturbed buffer of 10 foot width shall be left between the excavation area and the water's edge of the flowing stream at the time of excavation. A buffer zone of adequate width to protect the bank integrity should be left between the excavation area and the base of the high bank.	<input type="checkbox"/>
3. A buffer of 25 feet wide shall be maintained in an undisturbed condition landward of the high bank for the length of the gravel removal site. Disturbed areas in this riparian zone shall be limited to maintained access road(s) for ingress and egress only. No clearing within this riparian area is authorized in association with work authorized by this permit.	N/A
4. Sand or gravel shall not be excavated below water elevation at the time of removal, except: A. If the stream is dry at the time of excavation, excavation shall not occur deeper than the lowest undisturbed elevation of the stream bottom adjacent to the site. Upon request of the applicant, the excavation depth restrictions may be modified if the staff director determines that a variance would not significantly impact the stream resource. B. For wet steam reaches, the excavation depth restriction may be modified if it is determined by the staff director that a variance would not significantly impact the stream resource based on the presence of bedrock to prevent head cutting, excessive bedload, gravel rich areas or any other appropriate reason.	<input type="checkbox"/>
5. Stream channels shall not be relocated, straightened, cut-off, shortened, widened, or otherwise modified. A stream channel is defined as that area between the high banks of the creek where water is flowing, or in the case of a dry stream, where water would flow after a rain event.	N/A
6. Within 30 days of the removal of excavation equipment from the site, streambank areas disturbed by the removal operation, shall be revegetated or otherwise protected from erosion. For long term operations (longer than 30 days), or for sites that will be periodically revisited as gravel is deposited, access points shall be appropriately constructed and maintained such that stream banks and access roads are designed and constructed to minimize erosion.	<input type="checkbox"/>
7. Any aggregate, fines, or oversized material removed from the site shall be placed beyond the high bank, on a non-wetland site that has been approved by the landowner. No material, including oversized material, that results from excavation activity may be stockpiled or otherwise placed into the flowing water or placed against streambanks as bank stabilization unless specifically authorized by a state or federal permit.	<input type="checkbox"/>
8. All sand or gravel washing, gravel crushing, and gravel sorting shall be conducted beyond the high bank, in a non-wetland area and away from areas that frequently flood, such that gravel, silt, and wash water that is warm, stagnant, or contains silty material cannot enter the stream or any wetland.	N/A
9. Vehicles and other equipment shall be limited to removal sites and existing crossings. Water shall be crossed as perpendicular to the direction of the stream flow as possible.	<input type="checkbox"/>
10. Fuel, oil and other wastes and equipment containing such wastes shall not be stored or released at any location between the high banks or in a manner that would enter the stream channel. Such materials shall be disposed of at authorized locations.	N/A
11. Outstanding Resource Waters (10 CSR 20.7.031) A. In-stream sand and gravel operations are prohibited from those waters listed as "Outstanding National Resource Waters." B. In-stream sand and gravel operations are prohibited from those segments of "Outstanding State Resource Waters" owned or managed by a state or federal agency. C. All other applications for in-stream sand and gravel operations on "Outstanding State Resource Waters" shall be reviewed individually to determine if specific conditions are necessary to preserve these stream reaches during mining activity. These individual reviews would assist the applicant on focusing on issues of specific concern. The individual review shall include a site visit by Department of Natural Resources staff prior to permit issuance, and annual site inspection by Department of Natural Resources staff during the life of the permit.	N/A

**REQUEST FOR VARIANCE**

In accordance with 10 CSR 40-10.050(14)(B), I hereby apply for a variance from the Sand and Gravel Excavation Plan as it applies to the mine site location submitted with this application on grounds that literal compliance with the Sand and Gravel Excavation Plan is impracticable in my case.

The department's Land Reclamation Program may, in its discretion, grant the application for variance based on submitted information with or without a site visit. The person requesting the variance should therefore include all relevant information with the application. For each variance requested, state in detail the reasons why compliance with the Sand and Gravel Excavation Plan is impracticable. Some variances require consultation with other agencies prior to approval.

**Requested Variance Information**

VARIANCE NUMBER

SPECIFY BASIS/JUSTIFICATION FOR THE VARIANCE

**FOR DEPARTMENT USE ONLY**

VARIANCE APPROVED BY DIRECTOR'S SIGNATURE	DATE APPROVED	INSPECTION DATE
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Is mining location in an Outstanding Resource <u>Water</u> ? <input type="checkbox"/> Yes <input type="checkbox"/> No	INSPECTION DATE
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**LANDOWNER**

PRINTED NAME OF LANDOWNER		TELEPHONE NUMBER WITH AREA CODE	
MAILING ADDRESS	CITY	STATE	ZIP CODE

**MINERAL RIGHTS OWNER  CHECK IF SAME AS LANDOWNER**

MINERAL RIGHTS OWNER		TELEPHONE NUMBER WITH AREA CODE	
MAILING ADDRESS	CITY	STATE	ZIP CODE

**LEGAL RIGHT TO MINE – (CHECK ONE)**

Mineral Deed                     
  Warranty Deed                     
  Lease                     
  Verbal  
 Other (Describe): \_\_\_\_\_                     
 Date of Agreement: \_\_\_\_\_

**LANDOWNER SIGNATURE REQUIRED – ATTACH ADDITIONAL SHEETS FOR EACH LANDOWNER**

By my signature, I attest to the following:

1. I, hereby grant to the director of the state of Missouri Land Reclamation Program and authorized representatives the right of entry upon our lands or surface mining operations for the purpose of making necessary field inspections, related to land reclamation in order to ensure compliance with the Land Reclamation Act, Sections 444.760 to 444.790 RSMo.

PRINTED NAME OF LANDOWNER	SIGNATURE OF LANDOWNER	DATE
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PERMIT NUMBER	SITE NUMBER
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**APPLICANT SIGNATURE REQUIRED**

By my signature, I attest to the following:

1. I am qualified under regulatory definition to be the responsible official for the above-named permit.
2. All statements made in this Sand and Gravel Excavation Plan are correct, complete and true to the best of my knowledge.
3. I, on behalf of the company making the application, intend to protect the stream environment and remove sand and gravel in accordance with these requirements, and in accordance with the Land Reclamation Act Sections 444.760 through 444.790, RSMo, and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Program pertaining to my company's surface mining operation.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Program and his authorized representatives, and I grant such access, and further where I have no right to grant such access, I have attached signed affidavits from the landowners granting such access.

SIGNATURE OF APPLICANT	TITLE	DATE
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**Submit all forms to:** Missouri Department of Natural Resources  
Land Reclamation Program  
PO Box 176  
Jefferson City, MO 65102-0176

Phone: 573-751-4041  
Fax: 573-751-0534  
Website: [dnr.mo.gov](http://dnr.mo.gov)

**FOR DEPARTMENT USE ONLY**

The Land Reclamation Program shall consult with the appropriate agencies as to the presence of state and federal threatened and endangered species in the stream reach in order to avoid jeopardizing the species' continued existence or destroying or adversely modifying the habitat of such species.

CONSULTED WITH (DEPARTMENT/NAME)

SPECIES OF CONCERN:

ACTION REQUIRED FOR SPECIES PROTECTION:

APPROVED BY	DATE APPROVED	PERMIT NUMBER	SITE NUMBER
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