

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION



CONSTRUCTION PERMIT

The Missouri Department of Natural Resources hereby issues a permit to:

Reliance Pork 535 N.W. 1250 Chilhowee, MO 64733

for the construction of (described facilities):

See attached.

Permit Conditions:

See attached.

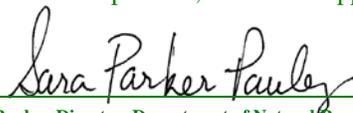
Construction of such proposed facilities shall be in accordance with the provisions of the Missouri Clean Water Law, Chapter 644, RSMo, and regulation promulgated thereunder, or this permit may be revoked by the Department of Natural Resources (Department).

As the department does not examine structural features of design or the efficiency of mechanical equipment, the issuance of this permit does not include approval of these features.

A representative of the department may inspect the work covered by this permit during construction. Issuance of a permit to operate by the department will be contingent on the work substantially adhering to the approved plans and specifications.

This permit applies only to the construction of water pollution control components; it does not apply to other environmentally regulated areas.

April 22, 2016
Effective Date


Sara Parker Pauley, Director, Department of Natural Resources

April 21, 2017
Expiration Date


John Madras, Director, Water Protection Program

CONSTRUCTION PERMIT

I. CONSTRUCTION DESCRIPTION

Construction of a 2-cell lagoon and mortality composter at a new sow complex. Complex will include a gestation barn, gilt development unit, and farrowing unit with 960 sows with litters and 5298 breeding and gestating sows, boars, and gilts.

II. CONSTRUCTION PERMIT CONDITIONS

The permittee is authorized to construct subject to the following conditions:

1. This construction permit does not authorize discharge.
2. All construction shall be in accordance with the plans and specifications submitted by Allied Engineering Services LLC on March 1, 2016.
3. Upon completion of construction;
 - A. Submit the enclosed form Statement of Work Completed to the department in accordance with 10 CSR 20-6.010(5)(D) and request the operating permit modification be issued;
 - B. Submit an electronic copy of the as built if the project was not constructed in accordance with previously submitted plans and specifications.
4. Additional construction specifications contained in the application and engineering plans shall be followed.
5. Contact the design engineer and the department before making substantial deviations from the approved plans and specifications. Department staff will determine whether the changes will be allowed and whether the changes require a change order to the construction permit and/or additional neighbor notifications. Major changes may require a new construction permit.
6. All cleanouts installed at the approved operation shall be clearly marked with a post that is visible during all stages of vegetative growth.
7. As the Missouri Department of Natural Resources does not examine structural features of design or mechanical equipment, the issuance of this permit does not include approval of these features.
8. In addition to the requirements for a construction permit, 10 CSR 20-6.200 requires land disturbance activities of one acre or more to obtain a Missouri State Operating Permit to discharge stormwater. The permit requires Best Management Practices sufficient to control runoff and sedimentation to protect waters of the state. Land disturbance permits can only be obtained by means of the Department's ePermitting system available online at www.dnr.mo.gov/env/wpp/epermit/help.htm. See www.dnr.mo.gov/env/wpp/stormwater/sw-land-disturb-permits.htm for more information.
9. Operating permit MO-GS10511 will be issued simultaneously with this construction permit.

III. CONSTRUCTION CONDITIONS FOR EARTHEN BASINS

1. Lagoons and earthen impoundments shall be constructed with a flat bottom.
2. Compaction of the berm fill material and bottom seal material with only a bulldozer will usually not meet compaction requirements.
3. The minimum seal thickness shall be twelve (12) inches, unless otherwise specified in the approved plans and specifications. The bottom seal and berm fill shall be brought up in horizontal layers not to exceed six (6) inches in thickness. Installation of the liner shall be according to the approved plans.
4. The seal on the inner slopes of the basin shall extend up to where the liner intersects the top of the berm.
5. Each layer of fill and seal material shall be compacted under optimum moisture conditions to achieve the required compacted permeability of 1×10^{-7} cm/sec, or less.
6. Upon completion of the seal installation, a protective device shall be installed to prevent erosion of the seal at all pipe inlet locations. The method of protection shall ensure the integrity of the seal from turbulence at all stages of operation from the prefill stage to the maximum operating level.
7. All basins shall be prefilled with fresh water to a minimum depth of two feet. At least two feet of liquid level shall be maintained at all times to protect the constructed seal.
8. The berm shall be seeded and mulched as soon as site conditions allow.
9. The recommendations contained in the geologic report from the Missouri Department of Natural Resources, Division of Geology and Land Survey shall be followed, unless otherwise specified in this permit
10. A pumpdown marker shall be installed and maintained, clearly showing the level of the emergency spillway and one foot increments, down to the lower pumpdown marker.

IV. REVIEW SUMMARY

1. FACILITY DESCRIPTION

This is a new facility that will consist of a 2-cell lagoon and mortality composter at a new sow complex.

2. COMPLIANCE PARAMETERS

This is a no-discharge system designed to meet the conditions of the MOGS1 - State No-Discharge CAFO general operating permit.

Diane Reinhardt
Engineering Section
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