



Jeremiah W. (Jay) Nixon, Governor

Sara Parker Pauley, Director

## DEPARTMENT OF NATURAL RESOURCES

dnr.mo.gov

August 19, 2016

Mr. James M. Lanzafame  
Senior Environmental Technical Engineer  
The Doe Run Company  
Buick Resource Recycling Facility, LLC  
18594 Highway KK  
Boss, MO 65440

RE: Class 1 Permit Modification with Prior Director's Approval  
Temporarily Enlarge the Existing Load-In Opening at the Paste Storage Area  
Buick Resource Recycling Facility, LLC, Boss, Missouri  
EPA ID# MOD059200089

Dear Mr. Lanzafame:

The Missouri Department of Natural Resources (Department) hereby approves Buick Resource Recycling Facility, LLC's (BRRF) Class 1 Permit Modification request, dated July 13, 2016, with conditions. The request was to temporarily remove the wall at the lower side of the load-in opening into the Paste Storage Area, allowing ingress and egress of materials and equipment. With this opening, BRRF intends to perform additional repairs on the Paste Storage Area's floor in order to mitigate the leaks detected in the leak detection system as required by the Missouri Hazardous Waste Management Facility (MHWMF) Part I Permit, Schedule of Compliance Items III and IV, as modified, dated February 26, 2008.

The Department agrees with BRRF that this is a Class 1 Permit Modification requiring prior Director approval, according to the Class 1 Permit Modification letter from July 6, 2015, in which the Department addressed future maintenance needs at BRRF (e.g. steps required, information needed, etc.) for approval. We are approving this Class 1 Permit Modification request with the following conditions:

1. The request states that the beginning date for the potential non-compliance for the Paste Storage Area will be September 6, 2016, and continue through September 28, 2016, requiring approximately 22 days. With this approval the Department considers the aforementioned containment building to be under construction throughout the month of September, 2016. As such, control measures shall be established and maintained to prevent releases from the building during construction. During times when the maintenance crews are not working on the floor of the containment building, the wall opening shall be covered and sealed to prevent any releases from the permitted unit and to prevent precipitation from entering the building. Should any releases from the unit occur during the construction activities, they shall be cleaned up immediately and the



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Department shall be notified within 24 hours of the release. This notification shall include details on the amount of material released, the actions taken to minimize or remediate the release and what additional controls were instituted to prevent further releases.

2. The storage capacities for the Paste Storage Area and the Battery Bunker are based on their respective square footage and a height restriction based on the concrete walls in the containment buildings. The approved Part B permit application dated March 15, 2005, had this height listed at 14 feet. Due to multiple maintenance projects completed as required by Schedule of Compliance Items V and VI, from BRRF's MHWMF Part I Permit, dated March 15, 2005 and by Schedule of Compliance Items III and IV, from the February 26, 2008 modification of the BRRF's MHWMF Part I Permit, the wall height in these two containment buildings shall be verified to determine accurate storage capacities.
3. The last update regarding Schedule of Compliance Items III and IV, from BRRF's MHWMF Part I Permit, was submitted on May 22, 2013. In that update, it was identified that the only flow detected under the Paste Storage Area and the Battery Bunker was from the #5 detector pipe. As there has been on-going maintenance on the Paste Storage Area's floor, apparently flow has continued from the #5 detector pipe. Because the #9 detector pipe continues to show no flow, as has been reported in the past, BRRF's MHWMF Part I Permit Schedule of Compliance Items III states that the Permittee shall have a professional engineer certify the building meets the containment building requirements per MHWMF Part I Permit Special Permit Condition III.C.10., and Code of State Regulations 10 CSR 25.264(1), which incorporates Code of Federal Regulations 40 CFR Part 264 Subpart DD standards. After this certification, the Permittee shall operate the containment building per Special Permit Condition III.C.11 in lieu of Special Permit Condition III.C.10 of the MHWMF Part I Permit.
4. Within 30 days from the date the Paste Bunker's maintenance is completed (no later than November 1, 2016), BRRF shall submit the following documents:
  - i. Certification signed by an appropriate BRRF representative and a registered professional engineer per 10 CSR 25-7.270(1) which incorporates 40 CFR 270.30 (1)(2)(i), that the unit is in compliance with the requirements of the permit and regulations and is ready for its intended use. This documentation shall include the date that the temporary construction activities were completed.
  - ii. An updated Part A permit application form accounting for the changed wall heights and storage capacities for the Paste Storage Area and the Battery Bunker determined through comment number 2 above.

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- iii. As-built drawings representing the elevation views of the two containment buildings, depicting floor elevations and top of wall elevations, as determined through comment number 2 above.
- iv. A summary report with results and discussions regarding any samples taken for characterization purposes, any needed treatment and confirmation sampling to determine universal treatment standards were met, and, ultimate disposition of any material removed from the containment building due to these maintenance activities.
- v. Certification that the Battery Bunker meets the design requirements of the MHWMF Part I Permit and the regulations per comment number 3 above.

BRRF must send a notice of the modification to everyone on their facility mailing list and the appropriate units of state and local government within 90 calendar days after the date of this letter, according to 10 CSR 25-7.270(1), which incorporates 40 CFR 270.42(a)(1)(ii). BRRF must send a copy of the notice to the Department.

If you have questions regarding this letter, please contact Nathan Kraus, P.E., of my staff at the Missouri Department of Natural Resources, Hazardous Waste Program, P.O. Box 176, Jefferson City, MO 65102-0176, by telephone at (573) 751-3553 or 1-800-361-4827, or by e-mail at [nathan.kraus@dnr.mo.gov](mailto:nathan.kraus@dnr.mo.gov). Thank you.

Sincerely,

HAZARDOUS WASTE PROGRAM

[Original signed by Richard A. Nussbaum]

Richard A. Nussbaum, P.E., R.G.  
Chief, Permits Section

RAN:nkt

- c: Mike Dandurand, Missouri State Coordinator, U.S. EPA Region 7  
Julie Marks, P.E., Barr Engineering Company  
Southeast Regional Office, Missouri Department of Natural Resources