



STATE OF MISSOURI  
DEPARTMENT OF NATURAL RESOURCES

Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

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JAN 27 2016

Mr. Brian Power  
Area Environmental Manager  
Republic Services, Inc.  
13570 St. Charles Rock Road  
Bridgeton, MO 63044

RE: October 2015, North Quarry Cap Enhancement Work Plan and Schedule, Bridgeton Landfill, LLC, Permit Number 0118912, St. Louis County

Dear Mr. Power:

This letter is in response to a submittal titled “North Quarry Cap Enhancement Work Plan and Schedule”, for Bridgeton Landfill, LLC, dated October 2015 from Ms. Michele Clark, Senior Project Director, Weaver Consultants Group and received on October 9, 2015, by the Missouri Department of Natural Resources’ Solid Waste Management Program (SWMP). The submittal included drawings sealed by Daniel O. Landrum, P.E., Weaver Consultants Group and a two page cover letter explaining that the submittal was in response to the SWMP’s September 24, 2015, letter.

Also, as part of our review, we included information from a November 24, 2015, letter which updated the work schedule for surveying and pin placement in the North Quarry due to other cap enhancement work in the same area and rain delays. The original work schedule was planned for completion by December 1, 2015; however, due to the rain delays, the work is now planned for completion within ten (10) working days of completion of the North Quarry Cap Enhancements.

The improvements included in this submittal are as follows:

- Regrading of terraces,
- Installation of Flexible Membrane Liner (FML) between the Ethylene Vinyl Alcohol Liner (EVOH) and existing perimeter road,
- Installation of landfill gas collection piping,
- Installation and reestablishment of letdown structures,
- Installation of new culverts,
- Cleaning of existing culverts,
- Removal of some gravel roads on the North Quarry,
- Addition of cover and re-grading of the landfill surface,

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- Placing FML boots on active gas extraction wells that are not under the EVOH cover system, and
- Seeding and vegetating all disturbed areas.

We understand from the submittal that Bridgeton Landfill will:

- use Best Management Practices during all construction activities,
- conduct inspection and maintenance according to the previously submitted Operations, Maintenance and Monitoring Plan, Volume 1, revised June 2014, and
- address RCP Abandonment in the North Quarry under a separate letter dated October 1, 2015.

Due to limited construction days during winter months and the need for improvements in the North Quarry cap, these improvements were approved by the SWMP to begin prior to issuance of this formal approval letter by the department.

The SWMP hereby **approves** the North Quarry Cap Enhancement Plan at the Bridgeton Landfill with the following conditions. Compliance with these conditions will, in part, determine compliance with Solid Waste Disposal Area Permit Number 0118912.

**CONDITIONS:**

1. Please submit as-built drawings for the North Quarry Enhancement and survey pin placement project within thirty (30) days of completion.
2. The Bridgeton Landfill will comply with the facility's Odor Management Plan dated June 20, 2014, or the most recently approved version of that Plan at all times during construction activities.

The following documents were reviewed for compliance with the Solid Waste Management Law and regulations and are hereby incorporated into Permit Number 0118912:

**DOCUMENTS:**

1. "North Quarry Cap Enhancement Work Plan and Schedule", for Bridgeton Landfill, LLC, dated October 2015 from Ms. Michele Clark, Senior Project Director, Weaver Consultants Group and received on October 9, 2015, by the Missouri Department of Natural Resources' Solid Waste Management Program (SWMP). The submittal included drawings sealed by Daniel O. Landrum, P.E., Weaver Consultants Group and a two page cover letter explaining that the submittal was in response to the SWMP's September 24, 2015, letter.

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2. A November 24, 2015, letter which updated the work schedule for surveying and pin placement in the North Quarry due to other cap enhancement work in the same area and rain delays.

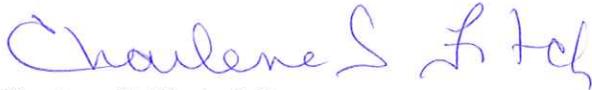
This approval is not to be construed as compliance with any existing federal or state environmental laws; nor should this be construed as a waiver for any other regulatory requirements. This approval is not to be construed as compliance with any existing local permitting or zoning ordinances; nor does it supersede any local permitting and/or zoning requirements.

The department reserves the right to revoke, suspend, or modify this approval and/or Permit Number 0118912 after due notice, if the permit holder fails to maintain the facility in compliance with the Missouri Solid Waste Management Law and regulations, the terms and conditions of the permit, and the approved engineering plans and specifications.

If you have any questions or comments regarding this letter, please contact Mr. J. P. Boessen of my staff at (573) 526-3940 or P.O. Box 176, Jefferson City, MO 65102-0176.

Sincerely,

SOLID WASTE MANAGEMENT PROGRAM



Charlene S. Fitch, P.E.  
Chief, Engineering Section

CSF;jbl

- c: Ms. Michele Clark, Weaver Consultants Group  
Ms. Laura Yates, St. Louis County Department of Public Health  
Ms. Brenda Ardrey, Chief, Operations Section SWMP  
Mr. Larry Lehman, Chief, Compliance/Enforcement Section, SWMP  
St. Louis Regional Office via Electronic Shared File