



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

DEPARTMENT OF NATURAL RESOURCES

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JAN 11 2013

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

RE: Gas Interceptor Well Design, Bridgeton Landfill LLC, Permit Number 0118912,
St. Louis County

Dear Mr. Almanza:

This letter is in response to your email submittal dated January 10, 2013, to the Missouri Department of Natural Resources' (Department) Solid Waste Management Program (SWMP). The submittal included a narrative and a set of plan sheets entitled "2013 Gas Interceptor Well Design Bridgeton Landfill." The submittal proposed the installation of seven Gas Interceptor Wells (GIW) in order to remove heated and pressurized gas near the neck of the landfill. The GIWs are located approximately 50' north of TMPs 7, 8, and 9 and will be connected to the existing gas collection and control system.

The SWMP has reviewed the submittal and hereby approves the proposed design as being in substantial compliance with the Missouri Solid Waste Management Law and regulations. The following conditions are integral to this approval. Compliance with these conditions shall, in part, determine compliance with Permit Number 0118912.

CONDITIONS:

1. The submittal and individual plan sheets need to be signed and sealed by a professional engineer. In addition, please verify the scale on Drawing 2. Please submit two (2) hard copies to the SWMP for our records.
2. A Construction Quality Assurance (CQA) Report should be submitted when the installation is completed. It shall include Daily Logs, Boring Logs, Construction Diagrams, and signed and sealed as-built drawings.
3. Drawing 2 indicates that the proposed location of GIW-3 is on the temporary liner. In the CQA Report, please detail the procedures used to maintain the integrity of the liner during the drilling and installation. In addition, please provide the necessary records that the flexible membrane liner is properly repaired around the well.

4. The Gas Interceptor Well Detail on Drawing 3 shows a 36 inch borehole, but the submittal did not indicate what type of drilling method will be used. Please specify this information in the CQA Report.
5. The Well Schedule on Drawing 3 indicates proposed well depths of 150' for GIWs 2 through 7. Prior approval from the SWMP is required to deviate from these depths.
6. The plan states "each well has a 6" Tee which has been designed to accommodate the use of a phase separation tank, if required." Please specify if this tank will be operational at the same time as well installation or provide the projected timeframe for the tank to be installed and operational if ejected liquid is encountered.

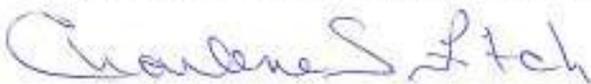
This approval should not be construed as compliance with any existing federal or state laws other than the Missouri Solid Waste Management Law; nor should this be construed as a waiver for any other regulatory requirements. This approval is not to be construed as compliance with any existing local permitting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

The Department reserves the right to revoke, suspend, or modify Permit Number 0118912 after due notice, if the permit holder fails to operate the facility in compliance with the Missouri Solid Waste Management Law and regulations, 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, Missouri 65102-0176.

Sincerely,

SOLID WASTE MANAGEMENT PROGRAM



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

CSF:brl

- c: Mr. Larry Lehman, Chief, Compliance/Enforcement Section, SWMP
Ms. Brenda Ardrey, Chief, Operations Section, SWMP
Ms. Laura Yates, St. Louis County Department of Health
St. Louis Regional Office