



FACT SHEET
BFI MISSOURI CITY LANDFILL
DRAFT HAZARDOUS WASTE PERMIT AND REMEDIAL ACTION PLAN

The BFI Missouri City Landfill is a former hazardous waste treatment and disposal facility, located at 8501 Stillhouse Road in Liberty. Although the site is about 200 acres, only about 90 acres were developed for waste disposal. In August 1972, Lincoln Brothers Land Inc. began operating a sanitary landfill at the site. In November 1972, Browning-Ferris Industries (BFI) Inc. leased the property and continued to operate the sanitary landfill. BFI changed its name to Browning-Ferris Industries (BFI) of Kansas City Inc. on December 29, 1972, and later became BFI Waste Systems of North America LLC (BFINA). The sanitary landfill accepted municipal wastes and certain industrial wastes, such as petroleum refining sludge, until 1974.

In 1974, BFINA began building additional facilities at the site to dispose of bulk liquid sludge. At least 160 million pounds of industrial wastes were disposed at the site, including phenoxyacetic acid herbicide wastes, organophosphate pesticide wastes, chrome sludge, paint thinners and strippers and other industrial sludges. The hazardous waste management units included a chemical processing center, a 200 ft x 150 ft x 25 ft deep chemical landfill, two LiqWaCon™ gelation basins, three sludge drying beds, seven bulk sludge disposal trenches, a wastewater treatment pond and a storm water retention pond. The Chemical Processing Center included a tank farm, one 8,000-gallon vertical absorbents storage silo, three clay-lined surface impoundments, with a total capacity of approximately 1.4 million gallons, and two LiqWaCon™ processing units. The tank farm included three 8,700-gallon railroad tank cars, two 10,000-gallon upright steel tanks and four 6,000-gallon concrete open tanks.

BFINA closed each hazardous waste management unit separately, with waste in place, according to a 1984 EPA-approved closure plan. One multicomponent final cap was installed over all the waste management units, addressing the entire site as one unit, collectively called the closed landfill. The Department accepted BFINA's closure certification on February 15, 1988. Since hazardous waste remained in place after closure, the closed landfill, now known as the BFI Missouri City Landfill, is required to go through a period of post-closure care. As part of the post-closure care, BFINA is required to perform long-term groundwater and surface water monitoring, operate waste containment/collection systems and maintain the final cover on the closed landfill.

BFINA is conducting post-closure and corrective action activities at the site under two hazardous waste permits. The Missouri Department of Natural Resources issued the Missouri Hazardous Waste Management Facility Part I Permit. The U.S. Environmental Protection Agency (EPA) Region 7 issued the Hazardous and Solid Waste Amendments Part II Permit. These permits require BFINA to perform long-term monitoring and maintenance of the closed landfill and implement the approved final remedy for groundwater contamination.

On July 30, 2010, BFINA submitted a permit application to the department and EPA, with revisions in September 2014, to renew their existing permits. In July 2013, BFINA also submitted a Remedial Action Plan (RAP) application to the department and EPA, with revisions in June 2014, to obtain a permit to treat hazardous remediation waste at the facility using an on-site water treatment unit. Currently, collected waste is pumped to on-site storage tanks and disposed off-site at a permitted facility. If approved, the collected waste will be treated by the on-site treatment unit and discharged to one of the permitted outfalls.

After a thorough technical review of the permit applications, the department prepared a draft Part I Permit. The draft Part I Permit proposes to require BFINA to continue to perform post-closure care and corrective action for the closed landfill. The draft permit also contains contingencies that may be exercised in the event there is a newly identified release to the environment from a new- or previously-identified solid waste management unit or area of concern. The draft RAP, which has been included in the draft Part I Permit, proposes to allow BFINA to treat hazardous remediation waste using an on-site water treatment unit. EPA decided not to renew the Part II Permit, since EPA has no site-specific conditions for the facility beyond those contained in the draft Part I Permit, and Missouri is fully authorized for all permitting, post-closure and corrective action activities at the facility. According to 40 CFR 270.51(d), the Part II permit will remain in effect until the effective date of a new permit issued by the Department.

The department invites the public to review and offer written comments on the draft Part I Permit and draft RAP from July 7, 2016, until August 22, 2016. During the 45-day public comment period, anyone can request a public hearing about the draft permit or RAP by writing to Sushmita Sharma, PE, at the Missouri Department of Natural Resources, 500 NE Colbern Road, Lee's Summit, MO 64086, or by e-mail at sushmita.sharma@dnr.mo.gov. The hearing request must state what issues will be brought up during the hearing.

The draft Part I Permit, including the draft RAP, and additional information are available on the department's website at www.dnr.mo.gov/env/hwp/permits/notices.htm. Supporting documents are not available on the department's website due to their size. The public can review and copy the permit applications, draft Part I Permit and RAP and supporting documents at the following locations:

Mid-Continent Public Library*
Liberty Branch
1000 Kent St.
Liberty, Missouri
Phone: 816-781-9240
*During normal business hours.

Missouri Department of Natural Resources*
1730 E. Elm St. (lower level)
Jefferson City, Missouri
Phone: 573-751-3043
*File reviews must be made through a
sunshine request. Please visit
www.dnr.mo.gov/sunshinerequests.htm.

Comments on the draft permit or RAP are more effective if they point out legal or technical issues or provide information that is not in the record. Please send written comments to Ms. Sharma at the address above.

At the end of the public comment period, the department will review all written comments and any comments given at the public hearing, if one was held. We can change or deny the final permit or RAP based on technical or legal issues brought up by the comments. We will write a summary and response to all comments and explain how each was addressed in the final permit and RAP.

You may call or write the department at any time to request to have your name placed on BFINA's mailing list. By doing this, you will receive notice from the department or BFINA on any major permitting and cleanup activities at the facility.

For more information on the draft Part I Permit or RAP, or to obtain a written copy of the draft permit for review, please contact Ms. Sharma by telephone at (816) 251-0703 or 800-361-4827. Hearing- and speech-impaired individuals may reach Ms. Sharma through Relay Missouri at 800-735-2966.