

MISSOURI



NATURAL RESOURCES

Worlds of Fun
4545 Worlds of Fun Ave.
Kansas City, MO 64161

July 2018

Facility Description

Worlds of Fun is an amusement park owned and operated by Cedar Fair, LP. The park discharges non-process wastewater and stormwater through 10 different outfalls. Non-process wastewater discharges include:

- drainage from decorative lakes
- overflow from a boating lake
- drainage and overflow from rides
- drainage from swimming pools

The park discharges its domestic sewage to sanitary sewers that flow to a Kansas City wastewater treatment plant.

Permit History

The Department of Natural Resources (Department) issues Worlds of Fun a water discharge permit for all non-process wastewaters throughout the park. The permit defines pollutant limitations and requires monthly sampling to ensure discharges do not exceed those limitations. In addition, the City of Kansas City regulates Worlds of Fun's stormwater discharges into the city's municipal stormwater sewer system (MS4). The outfalls in the Department's permit also are regulated under the MS4 program.

In January 2018, the Department renewed Worlds of Fun's water discharge permit. By law, permits can include limitations only on pollutants known or suspected to be in the wastewater discharge. Because of changes in practices by Worlds of Fun, the Department made several key amendments and removed some pollutant limitations from the revised permit.

Changes to Permit

Copper sulfate no longer is used as an algacide on park rides and decorative lakes draining to some of the outfalls, so copper was removed from the permit for those seven outfalls but retained in three others.

Similarly, chlorine no longer is used on some park rides, so it was removed from the permit for the seven corresponding outfalls but retained in three others.

Previous permits required chemical monitoring of Aqua Blue Lake Dye, but there are no numeric water quality standards for the dye. By regulation, the Department cannot impose a numeric limitation. Therefore, the permit was changed to require visual inspections and submittal of photographs of the discharges for evidence of excessive dye.

Biochemical Oxygen Demand (BOD) and Total Suspended Solids (TSS) limitations were removed because these only apply to continuously flowing discharges associated with wastewater treatment facilities, which Worlds of Fun does not have. These limitations were placed in a previous permit, but this was an error, per Missouri's clean water effluent regulations.

Missouri's regulations require a stormwater discharge permit for specific types of industries as identified by Standard Industrial Classification (SIC) Code. Worlds of Fun's SIC code, 7996, does not require a stormwater permit by regulation. Therefore, the Department removed stormwater requirements from Worlds of Fun's state permit. Note that Worlds of Fun must comply with Kansas City's MS4 requirements for stormwater.

For More Information

The Worlds of Fun permit MO-0103659 is found at dnr.mo.gov/env/wpp/permits/issued/docs/0103659.pdf. Attached to the permit are both a Statement of Basis and a Fact Sheet that document the legal authority and reasoning for permit decisions. Both documents provide detailed information about the permit conditions. For more information about permits, visit dnr.mo.gov/env/wpp/permits/index/html or contact Logan Cole at 573-751-6725 or logan.cole@dnr.mo.gov.

Aerial Map



Legend

- Stream
- Property Boundary

Site Location

4545 Worlds of Fun Avenue,
Kansas City, Clay County, Missouri
Section 03, Township 50N, Range 32W

