Bowling Green, Kentucky
Stormwater Best Management Practices (BMPs)
Site Planning and Design Practices (SPDs)

SPD-01.4

Activity: Karst Topography

PLANNING CONSIDERATIONS:

Design Life:
Permanent

Acreage Needed:
N/A

Possible Permits:
KDOW
Check local ordinances

Target Pollutants

Significant ♦ Partial ◈ Low or Unknown ◊

Sediment ♦ Heavy Metals ◊ Nutrients ◊ Oxygen Demanding Substances ◊ Toxic Materials ◊
Oil& Grease ◊ Bacteria & Viruses ◊ Floatable Materials ◊ Construction Waste ◊

Description

The effects of polluted stormwater runoff can be problematic to a karst system. The introduction of sediment or pollutant-laden runoff percolates into the karst system and rapidly increases and can cause degradation of the water quality.

Depending on the karst system rock type, some systems may be more susceptible to the development of conditions than others.

Some suggested practices are as follows:

Approach

1. Drain surface water away from karst features
2. Provide treatment to surface water prior to its entry into karst features or walls
3. Utilize minimal disturbance in location where karst features exist.