

# Louisville Stormwater Overflow Cavity Fill Project

The **City of Louisville** needed to fill the cavities in the rock to create a flat plane to tie in rebar forms to construct the facility's concrete walls and foundation.

## About The Project

Contractor Purefoam	Location Louisville, KY	Product Used Strata-Fill™ 24-023
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[Learn More About Strata-Fill™ 24-023](#)

## Problem

In Louisville, KY a large pit, 40ft deep, 300 yards long x 150 yards wide was dug to build an overflow facility for the city's combined stormwater and sewage systems. A substantial amount of this excavation was rock, with the top 4ft being very unstable. Large chunks of the rock had broken off creating large cavities at the top section. The City needed to do a cavity fill and create a flat plain in order to tie in rebar forms to construct the facility's concrete walls and foundation.

## Solution

The general contractor, [Purefoam](#), contacted [NCFI](#) about using a Strata-Fill system to fill the voids, some being as large as 20ft wide, 5ft deep and 4ft tall, so the project could progress. In order to effectively fill these voids, we recommended the Strata-Fill 24-023. Due to its low exothermic properties, the 24-023 would allow for mass polymer

placement. In order to install the placements, Purefoam used a boom lift to get the sprayers up to the work areas from the bottom of the pit.

## Results

Over 8 separate days, 9000 pounds of the Strata-Fill 24-023 was used to fill approximately 4,000 cubic feet of voided areas. The flat plain was established and the voids were filled, allowing for the project to continue with minimal interruption to its schedule.

## Project Gallery

