

## Project Profile

**Project:** 39th & Fontanelle Sewer Separation

**Location:** Omaha, Nebraska

**Owner/Engineer:** City of Omaha

**Contractor:** Valley Corporation

**Installed:** October 2015

**Product Used:** Innovative Turf Solutions Floc™

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*Pumping from the collection pit.*



*From the collection pit to the treatment train. Gravity moves the water through the treatment train.*



*Floc bags tied off into the pipe.*



*Limited jobsite space for other alternatives.*



*Excelsior Log used for final filtering.*

### Product Benefit:

With limited space to work with, the decision was made to install a treatment train. The discharge pit held ground water seepage and other pollutants and would fill up with 5,000 CF of water every night. The goal was to be able to keep the pit dry by continuously pumping and to treat all the discharge water. A large storage tank was set up off the street with pipes discharging into a series of 275 gallon totes. A 6" plastic pipe ran from the last tote to near the discharge point before it was all filtered with an excelsior wattle. Floc 20 granules, by Innovative Turf Solutions, were introduced into the first storage tank and agitated. Floc bags were also installed in points along the pipe line for extra clarification. ITS's flocculants are based on natural products that bind to contaminants in the discharge site or wastewater.

### Conclusion:

After the first flush of the flocculant through the treatment train, a visual result was immediately witnessed. Laboratory test results of the TSS of the discharge water went from 888 to an average of 21. Valley Corporation is extremely pleased with the performance of the product. "We will continue to use the product throughout the duration of the project", which is expected to finish in the spring, states Jeff. "It has done a tremendous job lowering our TSS levels and has kept us from getting shut down." Thanks also goes out to Melissa Schrand with ITS for spending a couple days on the site to assist.

### Project Scope:

The City of Omaha and the NDEQ had stringent dewatering discharge regulations on the 39th & Fontanelle Blvd. CSO project. The project consisted of installing 3,800 LF of sanitary sewer pipe. The permit requires that the total suspended solids (TSS) of the effluent has a daily maximum limitation of 90 mg/L. After Valley Corporation's first dewatering test results came back with a value of 888 mg/L, the Project Manager called Lynn Ewoldt with ASP Enterprises and it was determined that the best solution was the use of flocculants to lower the Total Suspended Solids of the discharge water.

## Employee Profile



### Meet Corey Cole

**Branch:** Fenton, MO

**Office Phone:** 800-869-9600

The St. Louis branch of ASP is happy to announce the promotion of one of our own. Corey Cole has been with ASP for 5 years, most of them served on the front lines delivering product to our wonderful customers. Recently ASP created a new position to

help support our growing business that Corey will be filling. This position is going to cover a wide range of responsibilities and different tasks. Corey's "Can Do" attitude and willingness to help is going to benefit us all in his new roll.

Corey is a lifetime St. Louis resident and currently lives in Imperial Missouri with his wife and two sons. For the STL folks, Corey attended Seckman High School. After high school he spent 7 years serving our country in the United States Navy. Corey was essentially born into the business of construction supply. His grandfather started and ran Star Lumber for many years and Corey's dad took over after his grandfather retired.

We are excited to have Corey on our team and look forward to his customer service skills improving our customer's experience.

## Event Calendar

### Great Rivers IECA Fall Conference 2015

October 27-29, 2015

Kansas City, MO

[Click Here>](#)

### WEFTEC

Water Environment Federation Technical  
Exhibition and Conference

Sept. 26-30, McCormick Place, Chicago, IL

[Click Here>](#)

### 2016 Great Plains Low Impact Development Research and Innovation Symposium

March 7-9, 2016-Omaha NE

[Click Here>](#)