

FoamCoat Roofing & Coatings: Burlington Composting Facility

Installer: **Barry Burns, Rick Conley, Jeff Conley and Aaron Parsons**

Location: **Burlington, New Jersey**

Type of Job: **Apply foam and coating to all interior metal**

Square Footage of Job: **300,000 sq. ft.**

Equipment Used: **4 Gusmer Marksman Machines**

Number of people needed for the Job: **10**

Number of days required by the Job: **60 days fo**

Special Requirements: **All work had to be done nights and weekends.**

Foam and coatings used: **Staycell urethane foam, and Stayflex non-permeable coating**

Project Description: The average life of a compost facility is fairly short. Storing compost at a high-enough temperature to have it decompose properly (target at roughly 120 degrees, but at a minimum 90 degrees) creates extremely humid conditions and gases. The facility is 100% humidity 100% of the time. Burlingtons facility was at the end of its life cycle. However, instead of destroying the structure and starting over, the facilities management group for the facility contracted with FoamCoats corrosion control system to salvage the facility. Some steel perlins and Z-beams were damaged too badly and were replaced. The roof, ceilings, metal portions of the walls, and all structural steel were then covered with foam and corrosion resistant Stayflex coating. The condition of the roof, ceiling and walls was not good and required extensive prep work to get the surfaces ready for the various applications. The facility was needed so the management group wanted the job done as quickly as possible. With just over 300,000 square feet to complete, FoamCoat used four spray crews; two operating at a time, two shifts per day, six days a week. Due to space constraints, many spots required a considerable amount of hand work to ensure the desired coverage of foam and coating.

Benefits of using Foam: The job was completed in a timely fashion. All metal is now protected and will now become a minimal maintenance item, instead of the major headache it had become. It is attractive and has very good reflectivity which will be helpful in a dimly-lit environment. The steel is completely encased with foam and coating and now has an indefinite life expectancy, with testing of this system showing no measurable deterioration after twenty years. It can be hosed down without damaging the coating to keep the gains achieved in improved reflectivity and appearance.



2009 SPFA Industry Excellence Awards

Category: Commercial Wall

