



PROJECT PROFILE

CITY OF NAPA ANAEROBIC DIGESTER INSULATION PROJECT

STAYFLEX™ Thermal Insulation Systems

Owner: City of Napa Sanitation District
Napa, CA

Project Size: 15,000 square feet

PROJECT OVERVIEW:

As part of an expansion of its wastewater treatment facility, the City of Napa constructed an anaerobic digester to convert waste-to-fuel.

STAYCELL™ 245-2.5 spray polyurethane foam insulation was first applied at 2" thickness to the outside of the digester. The STAYCELL™ was then coated with 30 mils of STAYCOAT™ 2515 acrylic coating. The STAYFLEX™ Thermal Insulation System was selected due to the speed and simplicity of spray application, which eliminates seams/joint details required with conventional digester insulation systems, resulting in faster, less expensive installation.

The below-grade portion of the digester was insulated with 2" STAYCELL™ 245-2.0 spray polyurethane foam insulation, covered with 1/16" STAYFLEX™ 2505 thermal barrier coating to provide a durable, washable, seamless and fire retardant finish required by building codes for interior applications of polyurethane foam.

KEY BENEFITS:

- Energy-efficient foam insulation (R-6.5 per inch) provides payback through energy savings
- Speed and simplicity of spray application eliminates seams/joint details required with conventional digester insulation systems, resulting in faster, less expensive installation

