

Johns Manville

Engineer-Procure-Construct

2603F Furnace Rebuild:

In 2007, Johns Manville (JM) announced their plans to rebuild 2603F Furnace in Defiance, Ohio with production to begin production in March 2009. The rebuilt furnace will manufacture glass marbles to serve other plants located in the local area. The \$5.5-million investment for the Berkshire Hathaway Company underscores JM's commitment to the pipe insulation business. For nearly 50 years, JM has been the leader in fiberglass and specialty insulation, offering the most complete product lineup in the industry.

Scope of Work:

IPS is responsible for the engineering, procurement and construction (EPC) of the 2603F Furnace Rebuild at the Plant 2 facility in Defiance, Ohio. Scope of work on the construction side includes mechanical, electrical, structural steel, refractory, batch and process system modifications and commissioning of the rebuilt furnace.

Challenges:

One of the many challenges of this project was the engineering of the refractory. Due to the long lead time on refractory, IPS had to expedite the engineering in order for the owner to procure the refractory per the construction schedule. Another challenge was the coordination of all the subcontractors working within an isolated area around operating furnaces. IPS was responsible to make sure that all sub-contractors are performing work on schedule, with-in budget and in a safe manner without hindering any of the existing production. IPS' biggest challenge per our contract was to guarantee that Johns Manville would continue to produce 73 tons of glass per day. IPS along with our team members at Johns Manville made sure that these challenges were attainable on this project.



Project Duration: 12 Months

Project Cost: \$5.5 Million

MAUNUFACTURING

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