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Precast Concrete Adds Strength to Explosion-Proof Restroom for Gas Transmission Facility

PEACH BOTTOM TOWNSHIP, Pa. (SEPTEMBER 2017) — At Calpine's York 2 Energy Center in Peach Bottom Township, Pa., a precast concrete restroom from Easi-Set Buildings was the preferred building solution. The restroom—manufactured and installed by Easi-Set Buildings licensed producer Oldcastle Precast, Easton, Pa.—provides superior R-values and explosion-proof qualities to keep workers safe, if an accident ever occurs at the facility.

The 28-megawatt center is a dual-fueled, combined-cycle electric generating facility. Using clean-burning natural gas, the combustion turbines were also designed to run on ultra-low-sulfur diesel fuel oil when necessary. The project began commercial operation this year to provide additional reliable power to the region.

The restroom is a single unisex ADA-compliant building, measuring 8'-10" wide x 12'-0" long x 9'-4" high, with one toilet and one sink. The building has insulated reinforced concrete walls with a simulated split-faced block external appearance. The walls were manufactured by Oldcastle Precast to be 8" thick having a 5,000-psi strength at 28 days. That equates to a R-13 value for the walls and R-19.5 for the roof. Stainless steel was selected for the toilet and sink. All electrical components are NEMA 4 rated. A crane from general contractor CB&I, Charlotte, N.C., was used to hoist the restroom into place within the structure. The install took just one day.



"Each Easi-Set Buildings licensed producer offers customized precast concrete buildings for its customers because each project has such unique requirements," says Moffette Tharpe, managing director of Easi-Set Worldwide. "Licensed producers are production-trained in their own facilities by Easi-Set Buildings' personnel to ensure that quality custom solutions are always the top priority."

About Oldcastle Precast: Oldcastle Precast is the clear choice for building products and services for North American infrastructure projects. We are a leading provider of engineered product solutions nationwide to a number of market sectors including: Water, Communications, Energy, and Transportation.

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