



PPG INDUSTRIES ABOVEGROUND STORAGE VESSEL DESIGN

CLIENT - PPG Industries
LOCATION - Kenosha, WI
COMPLETED - 1997

DESCRIPTION

Matrix PDM Engineering provided complete multidiscipline design services to support the installation of 36 new aboveground storage vessels. The new vessels featured sufficient containment to ensure no leakage in the event of a tank rupture and with sufficient capacity to contain firewater/foam requirements.

PRINCIPAL FEATURES

- Multidiscipline engineering design including mechanical, piping, electrical and instrumentation
- New 400,000 gallon firewater tank and components
- Complete foam system including building, tank, pump and zoned manifold distribution system
- New structural steel truck unloading rack assembly for 36 products including pipe rack, walkways and truck gangway access
- Permissive system with bar code for allowance of correct product to be transferred to respective tank
- All process and utility PFD and P&I development
- Unloading pumps and piping to new dedicated storage
- Transfer pumps and piping to reactor charging system manifold
- Piping design
- Foundation design and review
- Tank rupture containment

FOR MORE INFORMATION:

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