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Steel Water Pipe

Overview

Important considerations when considering steel pipe for a project, including engineering properties, internal pressure design, pipe/soil interaction, and design guidelines for handling pipe.

Steel Water Pipe

Coatings and linings

Common standards for steel water pipe coatings and linings, and considerations such as types of coatings and linings, pipe surface preparation, applying coating and linings, and maintenance of pipe linings.

Archived webinars:

Steel Water Pipe fittings Design

Designs for steel water pipe fittings including outlet reinforcing, crotch plate reinforcing, short radius elbow, reducer design, mechanical coupling harness restraint, anchor rings, and miscellaneous special fitting designs.

Steel Water Pipe

Installation and Inspection

Buried steel pipe deflection design; how installation relates to design; selection of backfill material and compaction; trenching and bedding placement; types of joints and their coatings; common installation problems; inspection of welds, field joints, and coatings.

Steel Water Pipe Design

Engineering properties of steel pipe; internal pressure design; external load analysis for buried steel pipe; pipe/soil interaction; design guidelines for handling pipe; fitting and joint design.



Steel Water Tank

Standards

Emphasis on the various industry standards covering the tank industry. Includes decision criteria, life cycle analysis, and cost considerations for building a steel tank, and using this information to select the right tank for your needs.

Steel Water Tank Construction

The steps in constructing a steel tank, including foundation requirements for various tank designs according to AWWA standards. Highlights of the shop fabrication process, including preparation, welding and shipping. Methods of field construction, inspection and testing on completed.

Steel Water Tank

Coatings and linings

Regulations, standards and specifications covering tank coatings, particularly AWWA's D102 Standard. Purposes of various coating systems, and preparation, painting, over-coating and maintenance.

- Developed especially for potable water system owners, operators, agencies and engineers.
- Presented by steel water pipe and storage tank industry experts.
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