

12

Sulfuric Acid Equipment - Industry References

SULFURIC ACID EQUIPMENT - INDUSTRY REFERENCES
The following are important industry references related to materials of construction, fabrication, inspection and maintenance of sulfuric acid storage equipment. This is not intended to be a complete list. Normally, the latest edition should be obtained. Appropriate engineering judgement should be exercised in the use of these or other references.
NACE International Standard Recommended Practice, NACE Standard RP0294, "Design, Fabrication and Inspection of Tanks for the Storage of Concentrated Sulphuric Acid and Oleum at Ambient Temperatures"
NACE International Standard Recommended Practice, NACE Standard RP0391, "Materials for the Handling and Storage of Concentrated (90 to100%) Sulfuric Acid at Ambient Temperatures"
American Petroleum Institute Standard (API), API-650, "Welded Steel Tanks for Oil Storage"
American Petroleum Institute Standard (API), API-653, "Tank Inspection, Repair, Alteration, And Reconstruction"
American Petroleum Institute (API) Piping Inspection Code, API-570, "Inspection, Repair, Alteration, and Rerating of In-Service Piping Systems"
Materials Technology Institute of the Chemical Process Industries, Inc. [MTI] Publication MS-1, "Materials Selector for Hazardous Chemicals. Vol 1: Concentrated Sulphuric Acid and Oleum" 1997, C. P. Dillon, including Addendum - "Carbon Steel Sulphuric Acid Storage Tank - Inspection Guidelines"
ASME B31.3, "Chemical Plant and Petroleum Refinery Piping"
ASME Boiler and Pressure Vessel Code, Section VIII, Div I.
Handbook of Sulphuric Acid Manufacturing, Douglas K. Louie, P. Eng.