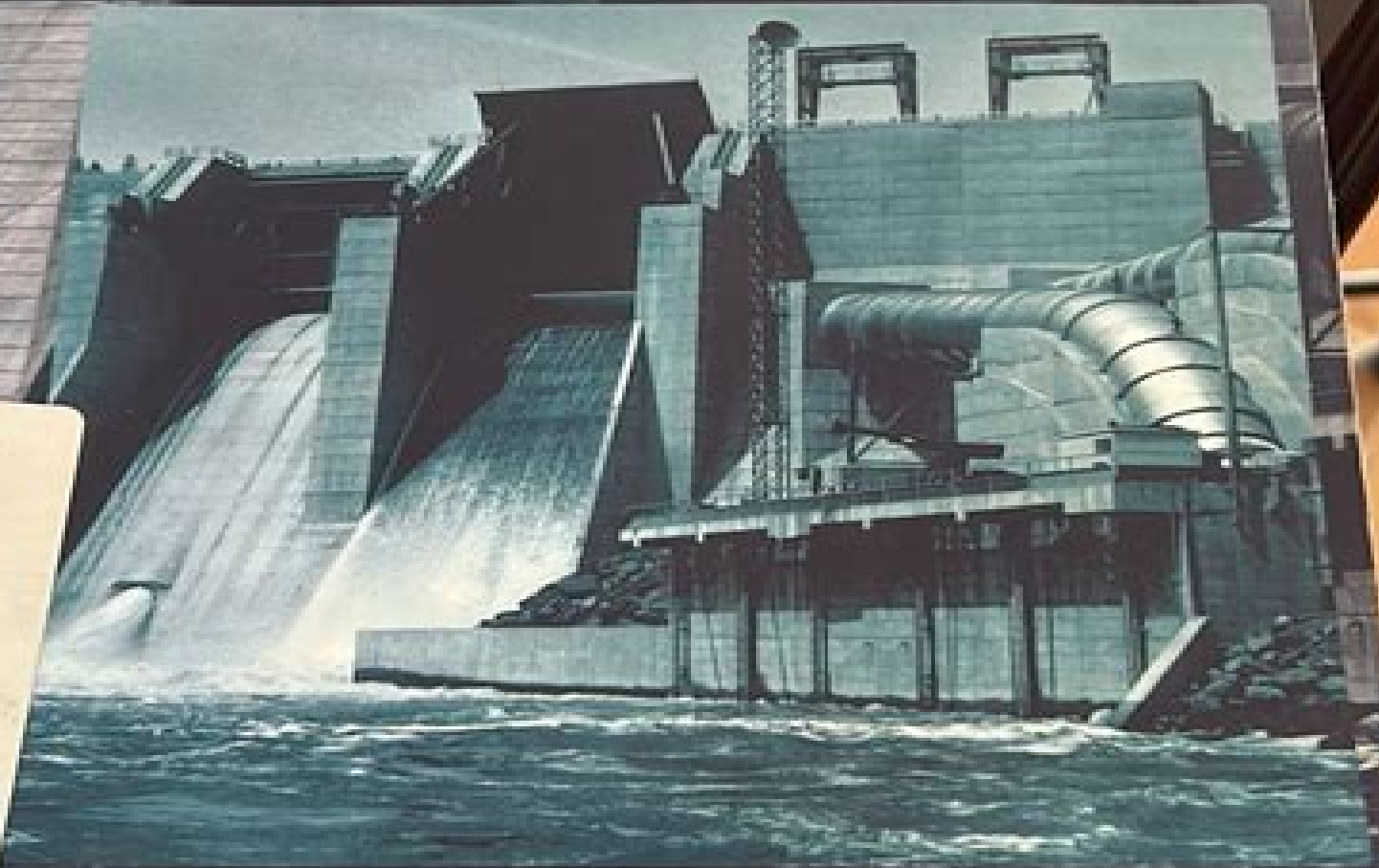


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Elementary Hydraulics James F. Cruise, Mohsen M. Sherif, Vijay P. Singh, 2007 Elementary Hydraulics is written for the undergraduate level and contains material to appeal to a diversified class of students The book divided into three parts blends fluid mechanics hydraulic science and hydraulics engineering The first part of the text draws upon fluid mechanics and summarizes the concepts deemed essential to the teaching of hydraulics The second part builds on the first section while discussing the science of hydraulics The third section looks at the engineering practice of hydraulics and illustrates practical applications of the material covered in the text In addition to these applications the text contains a number of numerical problems and a reading aid at the end of each chapter to enhance student learning

Water Engineering Nazih K. Shammass, Lawrence K. Wang, 2015-05-26 Details the design and process of water supply systems tracing the progression from source to sink Organized and logical flow tracing the connections in the water supply system from the water's source to its eventual use Emphasized coverage of water supply infrastructure and the design of water treatment processes Inclusion of fundamentals and practical examples so as to connect theory with the realities of design Provision of useful reference for practicing engineers who require a more in depth coverage higher level students studying drinking water systems as well as students in preparation for the FE PE examinations Inclusion of examples and homework questions in both SI and US units

Water Resources Engineering Larry W. Mays, 2019-04-02 Modern water conveyance and storage techniques are the product of thousands of years of human innovation today we rely on that same innovation to devise solutions to problems surrounding the rational use and conservation of water resources with the same overarching goal to supply humankind with adequate clean freshwater Water Resources Engineering presents an in depth introduction to hydrological and hydraulic processes with rigorous coverage of both core principles and practical applications The discussion focuses on the engineering aspects of water supply and water excess management relating water use and the hydrological cycle to fundamental concepts of fluid mechanics energy and other physical concepts while emphasizing the use of up to date analytical tools and methods Now in its Third Edition this straightforward text includes new links to additional resources that help students develop a deeper more intuitive grasp of the material while the depth and breadth of coverage retains a level of rigor suitable for use as a reference among practicing engineers

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