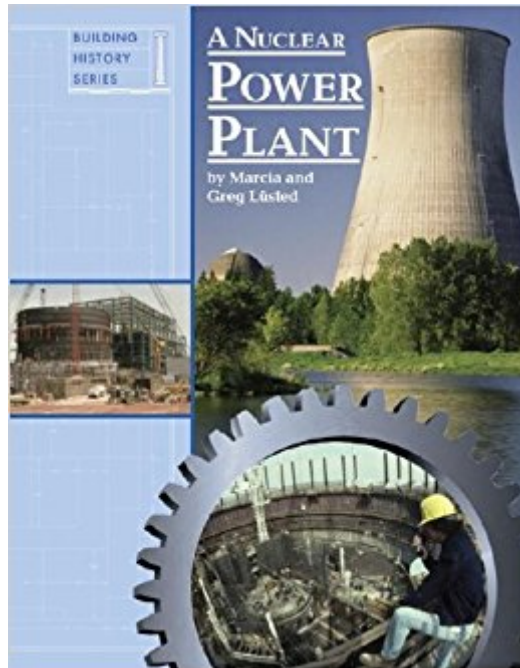




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A Nuclear Power Plant (Building History)



Synopsis

Nuclear power provides approximately twenty percent of the electricity used in the United States. The construction of a nuclear power plant is a highly regulated, complicated, yet interesting process spanning many years from start to finish. (20020401)

Book Information

Age Range: 12 and up

Series: Building History

Hardcover: 112 pages

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Customer Reviews

Grade 8 Up—It is the premise of this series that large-scale structures reflect characteristics of our culture and express our society's values. The existence of 104 operating nuclear power plants points up America's insatiable need for energy. The Lessons recount the discovery of nuclear power, its positive aspects, and its uses beyond atomic bombs. They then describe the types of plants, outline the geographic requirements for building them, and discuss safety issues. The last chapter looks at the future of nuclear power. Black-and-white photographs, diagrams, and charts appear throughout. The authors do address the risks involved, citing accidents at Three Mile Island and Chernobyl, but explain the rules and regulations now in place to monitor plants in every phase of site selection, construction, and operation as well as the challenge of dealing with nuclear waste. The authors present a balanced view but suggest that America's need for a reliable, inexpensive energy source may override some of the concerns.—Patricia Ann Owens, Wabash Valley College, Mt. Carmel, IL Copyright © Reed Business Information, a division of

"Explains how architectural decisions were made in response to changing technologies and tastes as the structures were built, destroyed, and rebuilt. She presents additional material in sidebars about the...specific architectural features, and important individuals." -- School Library Journal (September 2001) (School Library Journal 20010301)"A variety of illustrations and contemporary remarks about the building complement and enhance the text." -- Calliope (April 2002) (UNKNOWN)"This well-researched account is packed with detailed information about the technical principles of construction, architectural features, and maintenance of these important...structures. Extensive use of quotes from primary and secondary sources present interesting descriptions of life and customs...and the problems that needed to be addressed - both technical and administrative - to make these structures possible. Sidebars provide biographical material about major designers and builders. Overall, a well-organized, lucidly written resource." --School Library Journal (March 2001) (School Library Journal)

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