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the book provides the solutions to the unsolved problems given in the book titled fluvial hydrodynamics hydrodynamic and sediment transport phenomena the manual includes the solutions to the problems on chapters 1 to 11 including the properties of fluid and sediment hydrodynamic principles turbulence in open channel flows sediment threshold bedload transport suspended load transport total load transport bedforms river processes scour and dimensional analysis and similitude it therefore serves as a guide for graduate students researchers and field engineers to solve the problems in fluvial hydrodynamics as a prerequisite the background of the readers should have a knowledge in fluvial hydrodynamics described in the said book and an understanding of fundamentals of calculus

along with nox formation and reduction in the combustion of fossil fuel which were addressed in the original publication this second edition addresses the problems of acid rain global warming and coal ash treatment discussions of important legislation are included especially title iii hazardous air pollutants of the federal clean air act 1990 amendments as well as legislation affecting health risk management other topics include reformulated gasoline rubber tire resource recovery and petroleum refining processes semiconductor manufacturing processes and emission control and nuclear power plant safety numerical examples have also been added to several chapters a new appendix has been added to summarize the developing technologies of bio

treatment used to control contaminants through biological processes back cover

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