



## An Introduction to Hydraulic Design of Spillways (Paperback)

By J Paul Guyer

Createspace Independent Publishing Platform, 2017. Paperback. Condition: New. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This publication provides introductory technical guidance for civil engineers interested in hydraulic design of spillways at dams. Here is what is discussed: 1. INTRODUCTION, 2. BASIC CONSIDERATIONS, 3. GENERAL CONSIDERATIONS FOR SPILLWAY DISCHARGE, 4. ABUTMENT AND PIERS, 5. EFFECT OF APPROACH FLOW, 6. GRADIENTS IN GENERAL, 7. HYDRAULIC AND ENERGY GRADIENT LINES, 8. MEAN SPILLWAY PRESSURE COMPUTATION, 9. SPILLWAY ENERGY LOSS, 10. ENERGY LOSS FOR FULLY DEVELOPED TURBULENT BOUNDARY LAYER FLOW, 11. TURBULENT BOUNDARY LAYER DEVELOPMENT ENERGY LOSS, 12. HYDRAULIC JUMP ENERGY DISSIPATORS, 13. CAVITATION.



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