



QHW SHAW PhD THESIS

APPENDICES



APPENDIX D LIST OF REFERENCES



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Reference	Related Subject	Applicable Chapters
Alexander MG. Deformation Properties of Blended Cement Concretes Containing Blastfurnace Slag and Condensed Silica Fume. Advances in Cement Research. Vol. 6. No. 22. Johannesburg. April 1994.	Concrete Research	3 & 6
Alexander MG. <i>Properties of Aggregates in Concrete, Phase I and II.</i> Research reports prepared for Hippo Quarries. University of Witwatersrand. Johannesburg. 1990 and 1993.	Concrete Research	3 & 6
Alexander MG & Beushausen H. <i>Deformation and Volume Change of Hardened Concrete.</i> Chapter 8. Fultons Concrete Technology. Ninth Edition. Cement & Concrete Institute, Midrand, South Africa. 2009.	Concrete Research	6
Alexander MG & Davis DE. The Influence of Aggregates on the Compressive Strength and Elastic Modulus of Concrete. The Civil Engineer in South Africa. Vol. 34, No. 5. Pp 161 -170. May 1992.	Concrete Research	6
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Reference	Related Subject	Applicable Chapters
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Boggs HL, Jansen RB & Tarbox GS. Arch Dam Design and Analysis. Chapter 17. Advanced Dam Engineering. Van Nostrand Reinhold. New York. 1988.	Arch Dams	3
Bryant AH. & Vadhanavikkit C. <i>Creep Shrinkage - Size and Age at Loading Effect.</i> ACI Materials Journal. Vol. 84. No. 2. March to April 1987.	Concrete Guideline	3
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Calmon JL, Murcia J, Botassi dos Santos, Gambale E & da Silva CJ. <i>Numerical Modelling of Thermal Stress in RCC Dams using 2-D Finite Element Method – Case Study.</i> Proceedings. 4th International Symposium on Roller Compacted Concrete Dams. Madrid, Spain. pp. 569 – 577. 2003.	Thermal Analysis	3
CCWJV. Instrumentation Readings, Data & Information. Changuinola 1 Dam. Panama. January to July 2010.	Instrumentati on Data	4
Cervera, M, Oliver, J & Prato, T. Simulation of Construction of RCC Dams. I: Temperature & Aging. ASCE. Journal of Structural Engineering. pp 1053 - 1061. September 2000.	Thermal Analysis	3

Reference	Related Subject	Applicable Chapters
Cervera M, Oliver J & Prato T. Simulation of Construction of RCC Dams. II: Stress & Damage. ASCE. Journal of Structural Engineering. pp 1062 - 1069. September 2000.	Thermal Analysis	3
Chen Y, Wang C, Li S, Wang R & He J. Simulation Analysis of Thermal Stress of RCC Dams using 3-D Finite Element Relocating Mesh Method. Advances in Engineering Software. Elsevier. Vol. 32 pp 677 - 682. 2001.	Thermal Analysis	3
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Conrad. M, Aufleger, M & Husein Malkawi, AI. <i>Investigations on the Modulus of Elasticity of Young RCC</i> . Proceedings. 4th International Symposium on Roller Compacted Concrete Dams. Madrid, Spain. pp 729 - 733. November 2003.	RCC Behaviour	3
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Dazhi W & Xu W. <i>Temperature Control for RCC Dam at Longtan Hydropower Station</i> . New Progress on RCC Dams. Proceedings. 5 th International Symposium on RCC Dams. pp 213 – 222. Guiyang, China. November 2007.	RCC Construction	7
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Grieve GRH. The Influence of Two South African Fly Ashes on the Engineering Properties of Concrete. PhD Thesis. University of Witwatersrand. Johannesburg. 1991.	Concrete Research	3 & 6
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Husein Malkawi AI, Aufleger M, Strobl TH, Conrad M, Mutasher, S & Al-Jammal M. <i>Computational Analysis of Thermal and Structural Stresses for RCC Dams</i> . The International Journal on Hydropower and Dams. Issue Four, pp 86 – 95. 204.	Thermal Analysis	3

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McCrae, JB & Simmonds, T. Long-Term Stability of Vibrating Wire Instruments: One Manufacturer's Perspective. Proceedings of 3 rd International Symposium on Field Measurements in Geotechnics. Field Measurement in Geomechanics. Oslo. September 1991.	Dam Instrumentati on	2
Neville, AM. <i>Properties of Concrete</i> . Chapter 9. Fourth Edition. Pearson Prentice Hall. London. 2002.	Concrete Technology Textbook	3, 4 & 5
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Reference	Related Subject	Applicable Chapters
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Penghui L, Hong C, Hongbo L, Yu H & Feng J. 3-D Simulating Analysis for Thermal Control during Construction Period on Dahuashui RCC Arch Dam. Proceedings.5th International Symposium on Roller Compacted Concrete Dams. Guiyang, China. pp 577 – 581. 2007.	Thermal Analysis	3
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Sembenelli SC & Shengpei W. Chinese Experience in the Design and Construction of RCC Arch Dams. International Journal of Hydropower & Dams. Vol. 5. pp 95 - 100. 1998.	RCC Arch Dams	3
Schrader, EK. <i>Roller Compacted Concrete</i> . Chapter 20. Concrete Construction Engineering Handbook. Second edition. Edited by Nawy, EG. CRC Press. New Jersey. 2008.	RCC Textbook	2, 3 & 6
Shaw QHW. The Role of Temperature in Relation to the Structural Behaviour of Continuously Constructed Roller Compacted Concrete and Rubble Masonry Concrete Arch Dams. MSc Thesis, University of Brighton, UK. 2001.	Dam Behaviour Investigation	5 & 7
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United States Army Corps of Engineers. <i>Gravity Dam Design</i> . Engineering Manual, EM 1110-2-2200. Washington. June 1995.	Dam Design Guideline	3
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