

Contents.....	1	Chapter 15	Final tests .....	159	
Preface .....	2	Chapter 16	Materials .....	167	
Acknowledgements .....	5	Chapter 17	In-service inspection .....	181	
Foreword.....	7	Chapter 18	Washing, decontamination and repair.....	193	
Chapter 1	General presentation of the reactor .....	9	Chapter 19	Handling .....	201
Chapter 2	Objectives .....	21	Chapter 20	Sodium leaks .....	209
Chapter 3	Operation review .....	27	Chapter 21	Sodium chemistry .....	219
Chapter 4	Safety review.....	35	Chapter 22	Sodium technology.....	229
Chapter 5	Removal of residual power .....	49	Chapter 23	A positive environmental report.....	239
Chapter 6	Core physics.....	57	Chapter 24	Negative reactivity trips .....	253
Chapter 7	Fuel element.....	69	Chapter 25	Reprocessing and multi-recycling.....	265
Chapter 8	Intermediate heat exchangers .....	83	Chapter 26	Co-generation experiment at Phénix .....	273
Chapter 9	Steam generators .....	91	Chapter 27	Phénix's contribution to Superphénix .....	277
Chapter 10	Sodium pumps .....	103	Chapter 28	Conclusion .....	283
Chapter 11	Control rods .....	109	Appendix :	Experience feedback on the operation of fast reactors around the world .....	289
Chapter 12	Experimental irradiation and in-cell examinations .....	117			
Chapter 13	Demonstration of transmutation possibilities .....	137			
Chapter 14	Results of tests on the reactor.....	149			