# CONTENTS


1. INTRODUCTION.. ..... 1

1.1. Background ..... 1
1.2. Objective ..... 2
1.3. Scope ..... 2
1.4. Structure ..... 2

2. DECOMMISSIONING STRATEGIES ..... 3

3. GENERAL DESCRIPTION OFFACILITIES BY TYPE ..... 4

3.1. Nuclear power plants ..... 5
3.2. Research reactors (including critical assemblies) ..... 6
3.3. Fuel cycle facilities ..... 6
3.3.1. Uranium milling facilities ..... 7
3.3.2. Uranium conversion and recovery facilities ..... 7
3.3.3. Enrichment facilities ..... 8
33.4. Fuel fabrication and heavy water production facilities ..... 9
3.3.5. Fuel reprocessing facilities ..... 9
3.4. Industrial facilities ..... 10
3.5. Research facilities ..... 11
3.5.1. Particle accelerators ..... 12
3.5.2. Medical facilities ..... 13
35.3. Laboratories. ..... 14
3.6. Cold War legacy ..... 14

4 EVALUATION OF DECOMMISSIONING COSTS ..... 15

4.1. General ..... 15
4.2. Power reactors ..... 17
4.3. Research reactors (including critical assemblies) ..... 17
4.4. Fuel cycle facilities ..... 18
4.5. Industrial facilities ..... 19
4.6. Research facilities ..... 19
4.6.1. Particle accelerators ..... 19
4.6.2. Medical facilities ..... 20
4.6.3. Laboratories ... 20

4.7. Cold War legacy . . 20

5 CONCLUSIONS . . 21

5.1. General . . 21
5.2. Total decommissioning costs hy facility type . . 21

REFERENCES . . 25
BIBLIOGRAPHY . . 26
CONTRIBUTORS TO DRAFTING AND REVIEW. . 27

ANNEXES (ON CD-ROM)

ANNEX I: NUCLEAR POWER PLANTS
ANNEX II: RESEARCH REACTORS
ANNEX III: FUEL CYCLE FACILITIES
ANNEX IV: PARTICLE ACCELERATORS