

CONTENTS

1. INTRODUCTION	1
1.1. Purpose	1
1.2. Scope of review and assessment in the licensing process	1
1.3. Timing of review and assessment	1
1.4. Organization of the regulatory body for the task of review and assessment	2
2. OBJECTIVES OF THE REVIEW AND ASSESSMENT PROCESS	2
3. GENERAL RELATIONSHIPS IN THE REVIEW AND ASSESSMENT PROCESS	3
3.1. Relationship of the regulatory body with the applicant/licensee	3
3.2. Relationship of the regulatory body with the applicant/licensee's vendors	4
3.3. Visits for review and assessment	4
3.4. Relationship of the regulatory body with other governmental bodies	4
3.5. Relationship with consultants and advisory committees	5
3.5.1. Consultants	
3.5.2. Advisory committees	
4. EXCHANGE OF INFORMATION	6
4.1. Scope	6
4.2. Documentation	6
4.2.1. Documentation supplied by the applicant/licensee	
4.2.2. Documentation produced by the regulatory body	
4.3. Coordination of information	7
4.4. Scheduling for submission of information	7
4.5. Proprietary information	7
5. AREAS FOR REVIEW AND ASSESSMENT	8
5.1. General	8
5.2. Before authorization of site preparation	8
5.3. Before authorization of construction	9
5.4. Before authorization of commissioning and early operation	10
5.4.1. Commissioning of plant components and systems	
5.4.2. Fuel loading, commencement of operation	

5.5. Before authorization of routine operation	12
5.6. During operation	12
5.7. Before authorization of decommissioning	13
5.8. Reassessment due to new information	13
6. BASES FOR REVIEW AND ASSESSMENT	14
6.1. General	14
6.2. Safety objectives and requirements	14
6.3. Establishment of safety objectives and requirements	15
7. METHOD OF REVIEW AND ASSESSMENT	16
7.1. General	16
7.2. Preliminary activities	16
7.3. Topics of review and assessment	17
7.4. Approaches to review and assessment	18
7.5. Determination of radiological consequences for normal operation	20
7.6. Review and assessment of anticipated operational occurrences and accident conditions	20
7.6.1. Classification of events	
7.6.2. Initiating events	
7.6.3. Analysis of risks	
7.6.4. Prevention analysis	
7.7. Application to specific situations	26
7.7.1. General	
7.7.2. Proposed plant of new design	
7.7.3. Proposed plant of established design	
7.8. Reliance on applicant/licensee's assessment	29
7.9. Direction of the review and assessment process	29
7.10. Basis for decision	29
8. INTERNATIONAL COOPERATION IN REVIEW AND ASSESSMENT	30
8.1. Assistance in review and assessment	30
8.2. Cooperation	31
DEFINITIONS	33
LIST OF PARTICIPANTS	41
PROVISIONAL LIST OF NUSS PROGRAMME TITLES	45

