

TABLE OF CONTENTS

	Page
3.0 INTEGRATED SAFETY ANALYSIS SUMMARY.....	3.0-1
3.0.1 References.....	3.0-3

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3.0 INTEGRATED SAFETY ANALYSIS SUMMARY

The requirement to prepare and submit an Integrated Safety Analysis (ISA) Summary for Nuclear Regulatory Commission (NRC) approval is stated in 10 CFR 70.65(b) (CFR, 2003a). 10 CFR 70.65(b) (CFR, 2003a) also describes the contents of an ISA Summary. The ISA Summary has been developed following the guidance of NUREG-1520 (NRC, 2002) which meets the format, structure, and content of an ISA Summary that is consistent with the requirements of 10 CFR 70 (CFR, 2003b).

The information provided in the ISA Summary, the corresponding regulatory requirement, and the section of NUREG-1520 (NRC, 2002), Chapter 3 in which the NRC expectations for such information are presented are summarized below.

Information Category and Requirement	10 CFR 70 Citation	NUREG-1520 Chapter 3 Reference
Section 3.1 General Information		
• ISA methodology description	70.65(b)(5)	3.4.3.2(5)
• ISA Team description	70.65(b)(5)	3.4.3.2(5)
• Quantitative standards for acute chemical exposures	70.65(b)(7)	3.4.3.2(7)
• Definition of terms	70.65(b)(9)	3.4.3.2(9)
• Compliance with baseline design criteria and criticality monitoring and alarms	70.64 & 70.65(b)(4)	3.4.3.2(4D) 3.4.3.2(4C)
• Safety Program commitments	70.62(a)	3.4.3.1
Section 3.2 Site Description		
• Site description	70.65(b)(1)	3.4.3.2(1)
Section 3.3 Facility Description		
• Facility and Major Civil Structural Descriptions	70.65(b)(2)	3.4.3.2(2)
Section 3.4 Enrichment and Other Process Descriptions		
• Description of processes analyzed	70.65(b)(3)	3.4.3.2(3)
Section 3.5 Utility and Support Systems		
• Description of support systems analyzed	70.65(b)(3)	3.4.3.2(3)
Section 3.6 Process Hazards		
• Identification of hazards	70.65(b)(3)	3.4.3.2(3)
Section 3.7 Accident Sequences		
• General types of accident sequences	70.65(b)(3)	3.4.3.2(3)
• Risk ranking	70.65(b)(3)	3.4.3.2(3)
• Characterization of intermediate and high-risk accident sequences	70.65(b)(3)	3.4.3.2(3)
Section 3.8 Items Relied on For Safety (IROFS)		
• List and descriptions of IROFS at the system level	70.65(b)(6)	3.4.3.2(6)
• IROFS management measures	70.65(b)(4)	3.4.3.2(4B) 3.4.3.2(6)
• Sole IROFS	70.65(b)(8)	3.4.3.2(8)

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3.0.1 References

CFR, 2003a. Title 10, Code of Federal Regulations, Section 70.65, Additional content of applications, 2003.

CFR, 2003b. Title 10, Code of Federal Regulations, Part 70, Domestic Licensing of Special Nuclear Material, 2003.

NRC, 2002. Standard Review Plan for the Review of a License Application for a Fuel Cycle Facility, NUREG-1520, U.S. Nuclear Regulatory Commission, March 2002.

TABLE OF CONTENTS

	Page
3.1 GENERAL INTEGRATED SAFETY ANALYSIS (ISA) INFORMATION	3.1-1
3.1.1 ISA Methods	3.1-1
3.1.1.1 Hazard Identification	3.1-2
3.1.1.2 Process Hazard Analysis Method.....	3.1-5
3.1.1.3 Risk Matrix Development	3.1-6
3.1.1.4 Risk Index Evaluation Summary.....	3.1-8
3.1.2 ISA Team	3.1-9
3.1.3 Selection of Quantitative Standards	3.1-13
3.1.4 Hazards Analyzed	3.1-14
3.1.5 Criticality Monitoring and Alarms	3.1-14
3.1.6 Fire Hazards Analysis	3.1-15
3.1.7 Baseline Design Criteria.....	3.1-15
3.1.8 Safety Program Commitments	3.1-18
3.1.8.1 Process Safety Information	3.1-18
3.1.8.2 Integrated Safety Analysis.....	3.1-19
3.1.8.3 Management Measures.....	3.1-20
3.1.9 References.....	3.1-20

LIST OF TABLES

Table 3.1-1	HAZOP Guidewords
Table 3.1-2	ISA HAZOP Table Sample Format
Table 3.1-3	Consequence Severity Categories Based on 10 CFR 70.61
Table 3.1-4	Chemical Dose Information
Table 3.1-5	Likelihood Categories Based on 10 CFR 70.61
Table 3.1-6	Risk Matrix with Risk Index Values
Table 3.1-7	Qualitative Categorization of IROFS
Table 3.1-8	Determination of Likelihood Category
Table 3.1-9	Failure Frequency Index Numbers
Table 3.1-10	Failure Probability Index Numbers
Table 3.1-11	Failure Duration Index Numbers

All subsequent pages removed under 10 CFR 2.390 (pages 8 through 136).