

Exelon Generation
Victoria County Station, Units 1 and 2
COL Application

COLA Table of Contents

Part 01 — General and Administrative Information

Part 02 — Final Safety Analysis Report (FSAR)

Part 03 — Environmental Report (ER)

Part 04 — Technical Specifications (TS)

Part 05 — Emergency Plan (E-Plan)

Part 06 — LWA/Site Redress Plan (Not Used)

Part 07 — Generic DCD Departures Report

Part 08 — Safeguards and Security Plan (Provided by Separate Submittal)

Part 09 — Proprietary/Sensitive Unclassified Non-Safeguards Information

Part 10 — Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC)

Part 11 — Enclosures

Victoria County Station, Units 1 and 2

COL Application

Part 03

Environmental Report (ER)

Revision 0

Part 3 -- ER
Master Table of Contents

<u>Section</u>	<u>Title</u>	<u>Page</u>
Chapter 1		
1.1	The Proposed Project	1.1-1
1.2	Status of Reviews, Approvals, and Consultations	1.2-1
Chapter 2		
2.1	Site Location	2.1-1
2.2	Land Use and Transmission	2.2-1
2.3	Water	2.3-1
2.4	Ecology	2.4-1
2.5	Socioeconomics	2.5-1
2.6	Geology	2.6-1
2.7	Meteorology, Air Quality, and Noise	2.7-1
2.8	Related Federal Project Activities	2.8-1
Chapter 3		
3.1	External Appearance and Plant Layout	3.1-1
3.2	Reactor Power Conversion System	3.2-1
3.3	Plant Water Use	3.3-1
3.4	Cooling System	3.4-1
3.5	Radioactive Waste Management System	3.5-1
3.6	Nonradioactive Waste Systems	3.6-1
3.7	Power Transmission System	3.7-1
3.8	Transportation of Radioactive Materials	3.8-1
3.9	Construction Activities	3.9-1
3.10	Workforce Characterization	3.10-1
Chapter 4		
4.1	Land-Use Impacts	4.1-1
4.2	Water-Related Impacts	4.2-1
4.3	Ecological Impacts	4.3-1
4.4	Socioeconomic Impacts	4.4-1
4.5	Radiation Exposure to Construction Workers	4.5-1
4.6	Measures and Controls to Limit Adverse Impacts during Construction	4.6-1
4.7	Cumulative Impact	4.7-1
Chapter 5		
5.1	Land Use Impacts	5.1-1
5.2	Water-Related Impacts	5.2-1
5.3	Cooling System Impacts	5.3-1
5.4	Radiological Impacts of Normal Operation	5.4-1
5.5	Environmental Impacts of Waste	5.5-1
5.6	Environmental Impacts of Transmission Systems	5.6-1
5.7	Uranium Fuel Cycle and Transportation Impacts	5.7-1
5.8	Socioeconomic Impacts	5.8-1

Table of Contents (Continued)

<u>Section</u>	<u>Title</u>	<u>Page</u>
5.9	Decommissioning	5.9-1
5.10	Measures and Controls to Limit Adverse Impacts during Operations	5.10-1
5.11	Cumulative Impacts	5.11-1
Chapter 6		
6.1	Thermal Monitoring	6.1-1
6.2	Radiological Monitoring	6.2-1
6.3	Hydrological Monitoring	6.3-1
6.4	Meteorological Monitoring	6.4-1
6.5	Ecological Monitoring	6.5-1
6.6	Chemical Monitoring	6.6-1
6.7	Summary of Monitoring Programs	6.7-1
Chapter 7		
7.1	Design Basis Accidents	7.1-1
7.2	Severe Accidents	7.2-1
7.3	Severe Accident Mitigation Alternatives	7.3-1
7.4	Transportation Accidents	7.4-1
Chapter 8		
8.0	Introduction	8.0-1
8.1	Description of Power System	8.1-1
8.2	Power Demand	8.2-1
8.3	Power Supply	8.3-1
8.4	Assessment of Need for Power	8.4-1
Chapter 9		
9.0	Alternatives to the Proposed Action	9.0-1
9.1	No-Action Alternative	9.1-1
9.2	Energy Alternatives	9.2-1
9.3	Site Selection Process	9.3-1
9.4	Alternative Plant and Transmission Systems	9.4-1
Chapter 10		
10.1	Unavoidable Adverse Environmental Impacts	10.1-1
10.2	Irreversible and Irretrievable Commitments of Resources	10.2-1
10.3	Relationship Between Short-Term Uses and Long-Term Productivity of the Human Environment	10.3-1
10.4	Benefit-Cost Balance	10.4-1
Appendix A		
1.0	Objectives of the Environmental Protection Plan	1
2.0	Environmental Protection Issues	1
3.0	Consistency Requirements	1
3.1	Construction Activities	1
3.2	Operations	1
3.3	Reporting Related to the TPDES Permit and State Certification	1

Table of Contents (Continued)

<u>Section</u>	<u>Title</u>	<u>Page</u>
3.4	Changes	2
3.5	Changes Required for Compliance with Other Environmental Law	3
4.0	Environmental Conditions	3
4.1	Unusual or Important Environmental Events	3
5.0	Administrative Procedures	3
5.1	Review and Audit	3
5.2	Records Retention	3
5.3	Changes in Environmental Protection Plan	4
5.4	Reporting Requirements	4
6.0	References	5