

NS SAVANNAH SAFETY ASSESSMENT

- Revision III -

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Prepared for

THE MARITIME ADMINISTRATION

by

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F O R E W O R D

This document has been prepared to satisfy the requirements of Regulation 7, Chapter VIII of the International Convention for the Safety of Life at Sea, 1960, to serve as a handy reference document for many persons in the Savannah Program and to serve as a document of significant value in the NS Savannah operator training programs. It is therefore more comprehensive and detailed in nature than would be necessary if its only purpose was the fulfillment of the SOLAS Convention requirements.

To facilitate use of this document, certain large drawings and flow sheets referred to in the text have been included in Appendix D. They appear in Appendix D in the order of reference to them in the text. In all drawings and in the text, the auxiliary systems are referred to by use of symbols as listed below:

<u>System</u>	<u>Symbol</u>
Containment cooling	CC
Control rod drive	CRD
Intermediate cooling	CW
Data acquisition	DA
Emergency cooling	DK
Hydrogen addition	HA
Nuclear instrumentation	NI
Equipment drain and waste collection	PD
Primary pressurizing	PE
Primary loop purification	PP
Primary relief	PR
Radiation monitoring	RM
Reactor space ventilation	RSV
Sampling	SA
Buffer seal	SL
Soluble poison	SP
Waste dilution and disposal	WD
Gaseous waste disposal and collection	WL

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