

CHAPTER 6
SITE GENERATED WASTE CONFINEMENT AND MANAGEMENT

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LIST OF ACRONYMS

DSC	Dry Shielded Canister
ISFSI	Independent Spent Fuel Storage Installation

6.0 SITE GENERATED WASTE CONFINEMENT AND MANAGEMENT

6.1 ON-SITE WASTE SOURCES

No radioactive wastes are generated during the storage life of the dry shielded canisters (DSCs). Radioactive wastes generated during loading operations are treated using existing Calvert Cliffs Nuclear Power Plant facilities and procedures.

6.2 OFF-GAS TREATMENT AND VENTILATION

No radioactive off-gas is produced at the Independent Spent Fuel Storage Installation (ISFSI). Potentially contaminated air, nitrogen, and helium purged from the DSC during evacuation are directed to the Auxiliary Building processing systems or the spent fuel pool.

6.3 LIQUID WASTE TREATMENT AND RETENTION

No liquid waste is produced at the ISFSI. Contaminated pool water removed from loaded DSCs will normally be drained back into the spent fuel pool with no additional processing. A small amount (<15 ft³/DSC) of liquid waste results from transfer cask decontamination. The decontamination procedure results in a small amount of a detergent/demineralized water mixture being collected in the cask washdown pit. Liquid wastes collected in the cask washdown pit are directed to the power plant Liquid Waste Processing System described in Section 11.1.2.1 of Reference 6.1.

6.4 SOLID WASTES

No solid waste is produced at the ISFSI. A small quantity (<2 ft³/DSC) of low level solid waste is generated as a result of DSC loading operations and transfer cask decontamination. The solid waste generated is processed by compaction using the Solid Waste Processing System as described in Section 11.1.2.3 of Reference 6.1. This low level waste consists of disposable Anti-C garments, tape, decon cloths, etc.

6.5 RADIOLOGICAL IMPACT OF NORMAL OPERATIONS — SUMMARY

No gaseous, liquid, or solid wastes are generated at the ISFSI. The small volumes of these wastes generated in the Auxiliary Building will have no significant impact on the ability of existing plant systems to process them.

6.6 REFERENCE

- 6.1 Calvert Cliffs Nuclear Power Plant, Updated Final Safety Analysis Report, Docket Nos. 50-317 and 50-318, Baltimore Gas and Electric Company |