

9.0 RADIOACTIVE WASTE CONTROL SYSTEMS

9.1 SUMMARY DESCRIPTION

The radioactive waste systems are designed to process the radioactive wastes generated during plant operation. These wastes can be liquid, solid, or gaseous. Where permitted, the liquid and gaseous radioactive wastes are discharged to local water streams or the atmosphere, respectively, at concentrations which at a maximum are well below established regulatory limits. Radioactive wastes are subject to the requirements of applicable plant procedures.

The Liquid Radwaste System collects, treats, and returns processed radioactive liquid wastes to the plant for reuse. Treated radioactive wastes not suitable for reuse are discharged from the plant through the condenser circulating water discharge system packaged for onsite storage in approved storage areas or shipped to offsite processing or disposal facilities.

The Solid Radwaste System collects, processes, stores, packages, and prepares solid radioactive waste materials for transfer to approved onsite storage areas or shipment to offsite processing or disposal facilities.

The Gaseous Radwaste System collects and processes gaseous radioactive wastes from the main condenser air ejectors, the startup vacuum pumps, condensate drain tank vent, and the steam packing exhauster, and controls their release to the atmosphere through the plant stack so that the total radiation exposure to persons outside the controlled area is as low as reasonably achievable and does not exceed applicable regulations.