

## ***SOLID STATE PET BOTTLE RESINS PLANT, KOSA***

*Millhaven, Ontario*



**Client Name:**

*KoSa*

**Services Provided:**

*Process, Piping, Controls,  
Instrumentation, Electrical,  
HVAC, Structural,  
and Field Services*

**Project Size:**

*Seven-story  
26,000 square feet*

O'Neal was selected to provide design services for a 170-million-pounds-per-year solid-state polycondensate production facility for PET bottle resins. O'Neal had performed the initial design of this facility at its original location in Greer, South Carolina. The design effort included developing process P&IDs, specifying equipment, providing equipment layouts, and the detailed design of piping, mechanical, electrical, instrumentation, controls, and structural systems.

The process was housed in a new 26,000-square-foot seven-story building. The project included resin chip processing equipment, and a variety of support systems including thermal fluids, scrubbers, heat exchangers, and chip handling. O'Neal also provided checkout and startup assistance related to the PLC and Controlview systems, and site training of the client's operating and maintenance personnel.

This site adaptation was accomplished in half the time and at one-fourth of the engineering cost of the original facility while meeting all Canadian codes and standards.

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