



Manufacturing Consumer Products

Client

Procter & Gamble

Location

Alexandria, LA, USA

Our effectiveness in providing expert, multidisciplinary support from multiple offices is one reason our partnership has been going strong for a quarter-century.

Engineering/Design and Construction of a Liquid Detergent Manufacturing Facility

Procter & Gamble, a multinational manufacturer of laundry detergents and other consumer products, has chosen CH2M HILL as its partner for more than two decades. Since 1981, we have provided a full range of engineering support to P&G on a regular basis. Today, P&G remains one of our most successful partnerships and strategic clients.

The mutual benefit of our long-term relationship is evident in one of P&G's most recent and significant undertakings, the Alexandria Heavy Duty Liquids Expansion — the largest P&G project executed in 2004.

As consumer preference toward liquid detergents continues to grow, P&G decided to build another facility for liquid detergent production. P&G selected its Alexandria, Louisiana, dry-product manufacturing site as the location for building the next incremental production capacity for its liquid business.

The expansion project included the addition of raw material tank farms; mixing systems; intermediate storage tank farms; packing lines; an automated storage and retrieval warehouse; and all civil, facility, and utility scope required to build a liquids production facility from the ground up.

During the conceptual phase, which involved all engineering disciplines, our lead engineers collaborated with their P&G Engineering counterparts. Our Cincinnati office served as the hub in this multi-office effort, housing a task force area for our key engineers in all disciplines and a large P&G Engineering team. In total, eight of our offices participated, with as many as 145 personnel working to meet the project design schedule. In addition, our software group was responsible for developing the programming for the project, working in conjunction with E-Tech, another P&G partner.

As the project advanced from detailed design to construction, we placed a team of more than 30 engineers in the field to support P&G. The team provided design interpretation and quick responses to keep construction moving. In the facility commissioning phase, we worked side-by-side with P&G technicians and operators to start up the process and packing operations — on schedule. As a result of the project's success, P&G asked us to place a permanent engineering team at the site to support ongoing work.