



Project Profile:

Chem Mill Expansion

Owner: PCC Schlosser

Location: Redmond, Oregon

Evergreen Engineering provided engineering services and general contracting services for the expansion of a chemical milling operation. The project involved construction of a new 2,000 sq ft building to house a bulk chemical delivery system of nitric acid, hydrofluoric acid, and sodium hydroxide. A waste neutralization system was developed for the process waste and installed in the building.



Evergreen Engineering provided the following services:

- Preliminary Engineering and Scope Development
- Detailed Design and Construction Documents
- General Contracting Services
- Construction Oversight with the Engineering Design Team Involvement

Specific tasks included:

- IBC Code Analysis
 - Allowable Quantities
 - Emissions and Ventilation
 - Allowable Area
- Existing Chem Mill Roof Structural Analysis
- Conceptual Layout Drawings
 - Plans, Sections and Elevations
- Preliminary Agency Review
- Architectural Design
 - Bulk Chemical Building
- Structural Design
 - Exhaust Fan Stack Support
 - Utility Racks

- Mechanical Design
 - Bulk Tank & Process Piping
 - Cooling System Piping
 - HVAC & Ventilation
 - Dryer Steam System
- Electrical Design
 - New Service to Building
 - Equipment Power
 - Equipment Controls
- Construction
 - Permitting
 - Contractor Selection
 - Contractor Coordination
 - Schedule and Budget Management

Evergreen Engineering Performance

Our integrated services of engineering and construction impressed the client, doubly impressed by our capacity to complete their project on-time and under budget.