



Project Profile:

Polysilicon Programming

Owner: Confidential Client

Location: Albany, Oregon

Evergreen Engineering supported a polysilicon purification process including a Bulk Chemical Delivery (BCD) Storage Facility, a Tank Farm, an Acid Waste Neutralization (AWN) area, and a Wet scrubber system.



Evergreen Engineering provided the following services:

- Mobilization
- Pre-work / Preparation
- Programming Workshops
- Preparation of the Basis of Design (BOD)
- Coordination of Client Review
- Coordination of Project Approval
- IT/Telecom/Automation Design
 - Cabling System
 - Phone System
 - Identification System
- LSS Design
 - Fire Alarm & Voice Evacuation System
 - Security Access Control System
 - Closed Circuit Television System
 - Exterior Security CCTV System
 - Site Radio System

Specific tasks included:

- Civil/Structural/Architectural Design
 - Pre-Demolition
 - Erosion Control
 - Excavation
 - Utility Locate
 - Grading
 - Asphalt Vehicular Parking/Pedestrian Sidewalk
 - New Fence Construction
 - Landscaping
 - New Decontamination Area
 - Environmental Protection Trenching
 - Exterior Wall Construction
 - Roof Construction
 - Exterior Man Doors & Overhead Delivery Doors
 - Canopies
 - Interior Walls & Doors
 - Floor Finishes
 - Ceiling Finishes
- Electrical Design
 - Normal Power Distribution System
 - Lighting System
 - Emergency/Standby Power Distribution System
 - Continuous Power Distribution System
- Mechanical/Process Mechanical Design
 - Domestic Water Piping
 - Storm Drains
 - Fire Water
 - Heating Water
 - Chilled Water
 - Air Handlers
 - General Exhaust
 - Oil Free Air
 - Instrument Air
 - Industrial Water
- Process Design
 - Acid Waste (Pumped)
- FMS Design
 - HVAC Instrumentation & Controls
 - PLC System

Evergreen Engineering Performance

Our extensive background involving solar and semiconductor industries, to name a few, provided us with the required know-how to perform effectively for this client.