



Project Profile:

Plant Consolidation

Owner: Dawn Food Products, Inc.
Location: Seattle, WA

Evergreen Engineering assisted with the relocation and expansion of its production capability. The wet plant primarily manufactures bakery products, flavors & colors, and syrups & toppings. The expansion required both support labs and a mezzanine for support equipment. The lab installation was based on the previous installation and preliminary layout as provided by the client.



The wet operation was consolidated with the dry operation in an existing warehouse. The existing kettle lines and supporting equipment were relocated and upgraded to a closed system.

This project was completed within two phases: Ground Floor Tenant Improvements included a new lab area, three additional offices, lunch area, men's and women's locker facilities and a relocated Data Room, and the Equipment Mezzanine.

Evergreen Engineering provided the following services:

- Facility Design
 - Architectural
 - Mechanical
 - Process
 - Facility Upgrade Design
 - Electrical
 - Telecom / Data
 - Building Structure Modifications and Upgrades

Specific tasks included:

- Architectural
 - Code Review and Analysis of Existing Conditions
 - Impact of Proposed Tenant Improvement Conditions
 - Finalized Floor Plan based on Existing Conditions
 - Provided Construction Documents
- Structural Engineering
 - Provided Design/Build Documents for 30' x 80' Equipment Platform
 - Office Mezzanine Expansion
 - Mechanical Unit Support
- Process System
 - Boiler and Hot Water System
 - Existing Boiler and Hot Water System

- Existing Steam Consumption
- Boiler Room Requirements
- Wastewater System
 - Process Area Drainage
 - Waste Water Neutralization
 - Caustic Recycle
 - City Sewer Connection
- Code Compliance Evaluation
 - Site and Zoning
 - Building Code
 - Energy Code
 - Accessibility Requirements
 - Sprinkler and Alarm Requirements
- Electrical Code Review
 - Lighting
 - Motors
 - Transformers
- Mechanical Code Review
 - HVAC
 - Heating and Cooling Equipment

Evergreen Engineering Performance

Our engineering team completed the project according to our client's specifications. The distance between the project site and Evergreen's offices was not a hindrance to this project.