

CLIENT

CONFIDENTIAL

LOCATION:

New York

CONSTRUCTION VALUE:

N/A - Ongoing

PROJECT START:

2001

PROJECT COMPLETE:

Open Ended

SCOPE OF WORK

Design MEP and Process System Upgrades
by On-Site Support Staff

PROJECT DESCRIPTION

A&J is prime consultant for on-site MEP and Process engineering support services for the Manufacturing Engineering and Validation Engineering Departments at the Clients New York Site.



Five on-site personnel are currently developing SOPs, MIRs, PMO's, conformance standard checklists, equipment and system assessments, new and installed equipment impact assessments, field surveys and AutoCAD generated as-built drawings, commissioning and validation, and miscellaneous other technical and administrative duties. Systems/ equipments involve AHU's, Chillers, CW systems, purified water systems, laminar flow hoods, diffusion screens, door interlocks, compressed air systems, equipment instrumentation/ controls/ alarm systems, electrical systems, plumbing systems and building management systems. Our on-site engineering personnel were required to complete a rigorous training regimen.

Some major on-site activities included:

- Preparation of SOP's for AHUs, chillers, chilled water systems, laminar flow hoods, diffusion screens maintenance, compressed air, vacuum systems and building management systems
- Verification of Conformance Standard Checklist for all manufacturing facilities including gathering, verifying and updating all existing SOPs to meet USP and EU standards
- Preparation of System and Component Impact Assessments for newly installed purified water system and AHUs. Preparation of MIC reports, Remote temperature transmitters for AHUs; Remote alarming system for AHUs; Humidification control loop; and Out-of-specified range justification reports for temperature, humidity, pressurization, et. Al
- Evaluation and assessment of electrical grounding for production process equipments
- Preparation of PMOs for ASHRAE 30% and 50% filters on GMP and non-GMP AHUs
- Preparation of PMOs for AHUs, fans, chiller, pumps, instrumentation, etc
- Preparation of report on existing door interlock systems
- Preparation of reports and recommended proper sizing for condensate drain P traps for existing GMP and non-GMP AHUs
- Documentation support during maintenance and shutdowns such as for passivation of WFI systems and maintenance of existing equipment and systems
- Survey to create as-builts on AutoCAD for existing buildings and systems including WFI, CIP, bio-waste, chilled water, hot water, and steam
- Renovations for Wyeth Research Department to conduct prototype research. Included air flow investigations and HVAC design to maintain proper temperature, humidity and pressurization; and provision of utilities such as WFI, CIP, chilled water, steam and drains for bio-engineering skids