GREGORY KWITYN

Process Engineer & GMP Pilot Plant Supervisor

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PROFESSIONAL SUMMARY

Process engineer with 19+ years of hands-on experience in GMP pilot plant operations, process development, and technology transfer across food, flavor, and specialty chemical environments. Proven record executing and supervising batch processes, authoring GMP documentation, leading Management of Change (MOC) and Process Hazard Analysis (PHA) programs, and driving corrective actions. Skilled at coordinating cross-functional project streams and translating R&D findings into scalable, compliant production processes. Leverages Python and Excel Power Query to surface process insights and accelerate root-cause analysis.

CORE COMPETENCIES

GMP/GDP Batch Execution & Supervision	Process Scale-Up & Technology Transfer	SOP Authoring, Review & Training
Management of Change (MOC) Leadership	Process Hazard Analysis (PHA)	Root Cause Analysis & CAPA
Pilot-Scale Unit Operations	Facility & Equipment Readiness	Cross-Functional Scheduling & Triage
SAP (PP, QM, MM)	Python (pandas) & Excel Power Query	Continuous Improvement & Mentorship

PROFESSIONAL EXPERIENCE

Engineer II / Pilot Plant Supervisor

International Flavors & Fragrances (IFF) — Union Beach, NJ | November 2024 – Present

- Lead daily GMP pilot plant operations — execute and supervise batch processes hands-on and in a supervisory capacity, ensuring safety, quality, and schedule adherence across multiple concurrent project streams.
- Direct facility and equipment readiness — oversee preventative maintenance, cleaning documentation, consumable inventory, and housekeeping using SAP (PP, QM, MM) to maintain continuous operational readiness.
- Lead MOC and PHA programs — spearhead the engineering group's Management of Change process, conduct Process Hazard Analyses, evaluate risk, and issue hazardous work permits for high-risk overnight reactions.
- Author and audit GMP documentation — write, review, and update SOPs, batch records, process flow maps, and safety documentation in full alignment with cGMP and GDP standards.
- Drive corrective actions and investigations — lead root cause analyses on safety observations and process deviations, define and track corrective action items, and advance facility improvement initiatives.
- Coordinate cross-functional scheduling — manage weekly resource allocation across 6–7 parallel R&D project streams, resolve equipment constraints, and facilitate cross-functional planning meetings.
- Mentor and manage direct reports — provide constructive feedback, technical guidance, and professional development support for a team of 3 operators and technicians.
- Apply data tools to process improvement — use Python (pandas) and Excel Power Query to aggregate batch metrics, identify trends, and accelerate root-cause analysis; architected a SharePoint SDS portal with metadata tagging for rapid compliance retrieval.

Pilot Plant Supervisor

International Flavors & Fragrances (IFF) — Union Beach, NJ | January 2016 – November 2024

- Supervised daily batch execution — directed scale-up campaigns for spray-dried and processed food systems, established Critical Process Parameters (CPPs), and ensured seamless product handoffs within GMP procedures.
- Maintained facility and equipment compliance — reviewed batch records, managed cleaning logs and documentation, and oversaw SAP inventory to minimize material waste and sustain operational readiness.
- Authored and updated SOPs — developed and revised Standard Operating Procedures for spray drying, extrusion, high-pressure homogenization, fluid bed coating, and spray chilling unit operations.
- Integrated new unit operations — incorporated high-pressure homogenization and automated spray drying technologies, expanding pilot plant capabilities while maintaining GDP and safety compliance.

- Led root cause analyses — investigated process deviations and equipment failures, identified root causes, and implemented corrective actions to reduce batch variability.
- Supported product reformulations — partnered with cross-functional teams to execute clean-label reformulations of legacy ingredients without disrupting throughput or quality.
- Trained and certified operators — built structured cross-training programs across multiple process technologies, driving accountability and GMP compliance on the shop floor.

Scientist / Associate Scientist

International Flavors & Fragrances (IFF) — Union Beach, NJ | August 2007 – January 2016

- Executed commissioning, qualification, and validation trials for pilot-scale spray drying and advanced atomization technologies in GMP-aligned environments.
- Supported solvent-based pilot operations including distillation, extraction, reflux, rotary evaporation, and wiped film evaporation through direct plant assistance.
- Contributed process engineering support for extruded and granulated technology scale-up projects, supporting technology transfer from laboratory through pilot to commercial manufacturing.
- Performed analytical testing on raw materials and pilot prototypes, verifying experimental compliance and quality control standards per GMP documentation requirements.

EDUCATION & PROFESSIONAL DEVELOPMENT

Middlesex County College
Associate of Science, Computer Science — GPA: 3.78 (Honors)

Raritan Valley Community College
Associate of Science, Chemistry

Rutgers University
Coursework in Computer Science — Systems Architecture & Data Structures (on leave)

ISPE
GMP Fundamentals — In Progress

Technical Skills: GMP/GDP operations · MOC & PHA · SOP development & review · Corrective action tracking · SAP (PP, QM, MM) · Python (pandas, NumPy) · Excel Power Query · SharePoint · Spray drying, extrusion, HPH, fluid bed coating, spray chilling · Distillation, extraction, reflux, rotovap, wiped film evaporation