

Skylar Wilcox

SkylarDWilcox@gmail.com

Cell: 1 973 885 6601

Areas of Experience

New Product Introduction – Project Management – Experimental Trials
Operations Excellence – Risk Assessment – Failure Analysis – Incident Investigation

Professional Experience

Polypropylene Area Contact Engineer

June 2015 to Oct 2016

ExxonMobil Chemical – Baton Rouge, LA Polyolefins Plant

On-call 24/7 production support for world-scale polypropylene (PP) production line. Unit project manager, operations representative to global product team, and primary technical resource.

- Operations and quality lead for the commercialization of a world-first, revolutionary PP product. Led developmental trials for a suite of sub-products to prove feasibility and get customer buy-in at scale. Created and led test trials online while protecting normal production.
- Commissioned new \$16M unit under substantially different feed conditions than design basis. Managed 16 turnaround projects for the unit's first, \$8M overhaul.
- Negotiated with supply network and competitors to stabilize the regional propylene supply grid following catastrophic flooding in August 2016. Prevented force majeure.
- Developed 1 and 5-year production and quality plans. Defended performance and plans in reviews with VP-level management.
- Planned and executed testing to justify elimination of unreliable equipment, saving \$2M/yr.
- Owner of Quality Management System. Led countless quality investigations. Managed supplier and customer issues on dozens of material streams. No customer complaints during tenure; enabled business teams to repeatedly raise prices.
- Led 16-man operator team in daily production and manpower planning.

Site Utilities Contact and Energy Coordinator

August 2013 to June 2015

ExxonMobil Chemical – Baton Rouge, LA Polyolefins Plant

Site coordinator for steam, flare, cooling water, and air systems; steward of plant energy efficiency.

- Initiated and managed electrical infrastructure project eliminating \$3M/yr in shutdowns.
- Forecasted energy efficiency across multiple business lines for VP-level review and planning. Modeled and screened energy projects for annual corporate plans.
- Led 8 projects site-wide to provide three layers of protection for every potential environmental exposure. Stewarded project status to VP level.
- Owned and audited all custody transfer and interchange agreements with suppliers.
- Managed mission critical utilities infrastructure through catastrophic events. Applied learnings by developing response plans and improvement projects.
- Key to design of extensive upgrades to the flare system, increased system reliability 94%.

Process Engineering Intern (Integrated Supply Chain Dev. Program)

May to August 2012

Honeywell, Performance Materials and Technology, – Morristown, NJ

- Developed novel cycle time improvements to an existing process, generating \$125k/yr.

Production Engineering Intern (Integrated Supply Chain Dev. Program)

May to August 2011

Honeywell, Performance Materials and Technology, – Claymont, DE

- Reduced product changeover times 30-40%. Assisted with shutdown planning.

Education and Skills:

BS Chemical Engineering – University of Pittsburgh, Pittsburgh, PA, Plus3 Program – Beijing, China

Tools: Capital Planning, PFMEA, FRACAS, QMS, KPIs, SQL, JMP, SAP, JS, C++, Microsoft Office