

# ESTHER T. LORENCE

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## ENVIRONMENTAL ENGINEER

### Directing compliance to environmental regulations

Skilled in environmental compliance, tank permits, oil regulations, Title V air permit, SARA 312 and 313, and water permits (NPDES). Extensive technical support experience to manufacturing and lab operations. Participated in 1<sup>st</sup> and 2<sup>nd</sup>-party audits. Expertise with Environmental Management Systems (EMS), ISO 14001 EMS Internal Auditor, Hazardous Waste Management Inspections and manifests, training in RCRA Hazardous Waste Management, and USDOT Hazardous Materials Transportation. Approachable, responsive, problem-solver and team-player with attention to detail.

## PROFESSIONAL EXPERIENCE

### E.I DUPONT DE NEMOURS NIAGARA TO CHEMOURS COMPANY

2009 – 2016

Niagara Falls, NY

#### SHE Consultant

Negotiated with agency personnel (DEC, EPA, Town) on permit modifications. Environmental representative for ISO 14001 from 2012 to 2016. Responsible for NPDES, City wastewater discharge, and intermittently on tank applications, air and waste reports.

- Led ISO 14001 certified program from 2012 to 2016, maintaining multi-site certification for Niagara, and completing all required tasks in a timely manner.
- Directed and participated in 1<sup>st</sup>-party Environmental Audits for ISO 14001 Program, finishing and reporting on-time.
- Managed site compliance to local, state, and federal regulations on air, tanks, and wastewater, attaining good working relationships with local and state contacts.
- Prepared and submitted regulatory deliverable reports including SARA, and Discharge Monitoring Reports, providing additional information correctly, and reflecting site activities.
- Facilitated environmental incident prevention and investigation processes, preparing reports to appropriate agencies, and properly reporting events to regulatory agencies.
- Developed and maintained regulatory manuals (RCMS, BMP, MMP, SPC, SPR), retaining and ensuring compliance to guidelines.
- Interfaced with all levels of organization, external agencies, vendors, and contacts, communicating site environmental status, solving problems in compliance monitoring, and providing regulatory compliance.

### E.I DUPONT DE NEMOURS YERKES SITE, Buffalo, NY

2001 – 2009

#### SHE Consultant

Consulted with external agencies (DEC, EPA, Town) on permit compliance. Led the 1<sup>st</sup>-party environmental site audits. Integrated site compliance within the organization.

- Managed site calls on Plant Environmental Emergencies, ensuring incidents were properly communicated and reported.

**E.I DUPONT DE NEMOURS YERKES SITE** (Continued)

- Developed verification process for Title V monitoring, establishing procedure for site compliance to regulations.
- Led site on 1<sup>st</sup>-party environmental audits, communicating site audit status for assistance in complying to regulations.
- Updated tank and permit applications accurately and on time, maintaining permits.

**ADDITIONAL RELATED EXPERIENCE****E.I DUPONT DE NEMOURS YERKES SITE**, Buffalo, NY**Process Assistance and Quality Engineer**

Evaluated reduction of lab test frequency thru quality data. Provided technical assistance on significant raw material operations and created new qualification process. Led efforts on lab documentation on quality. Trained in process hazards review.

**Laboratory Supervisor**

Led lab operations on implementing control and documentation on lab activities (training, job cycle checks, procedures, audit trails, etc.) Bargained lab personnel reduction with the union.

**E.I DUPONT DE NEMOURS EMD NIAGARA SITE**, Niagara Falls, NY**Quality Assurance Engineer**

Organized and drove technologist training program with high turnover. Provided engineering support to production and made significant process improvements.

**Process Assistance Engineer**

Improved quality and yield on manufacturing of precious metal powder production.

**Process Development Engineer**

Conducted material balances on precious metal precipitation areas. Contributed to cost reduction programs on yield improvement, and improved accountability and control.

**EDUCATION**

**Bachelor of Science (BS)**, Chemical Engineering, Clarkson University, Pottsdam, NY