

Monthee Faye Homer–Gray PhD

135-21 125th St. South/Ozone Park; Queens N.Y 11420 ▪ Telephone: 973-651-8383 ▪ E-mail: fayehomer@yahoo.com

Objective

To contribute to the development of products and services aimed at improving the quality of life and protecting the environment.

Insightful, self-motivated, results-driven Analytical Chemist/Administrator with demonstrated capability in test laboratory, environmental, and health and safety management in the water treatment and agro-manufacturing industries. Twenty-six years of experience; 11 years of experience in quality, safety and environmental management and 15 years in research and manufacturing laboratories.

Areas of Expertise

- Wet Chemistry Techniques
- Classical and Instrumental Analysis Methods
- Analytical Method Development
- Regulatory and ISO Compliance
- Research and Development
- Performance Management
- Recruitment
- Policy Planning and Implementation
- Procedure Development, Documentation and Implementation
- Quality Assurance
- Statistical Analysis
- Technical Report Writing
- Customer Relations
- Budget Development and Management
- Working in a Multidisciplinary Team
- Test Laboratory and EH&S Compliance Auditing
- Training and Development
- Inventory Management
- Team and Project Leadership

Education

- PhD Analytical Chemistry, Massey University, New Zealand. 1992
- M.S Analytical Chemistry, University of Bristol, U.K. 1986
- B.S Biology – Major; Chemistry – Minor, University of Guyana 1983

Professional Training

- 1992–2006
- Canadian Standards Association – ISO 19011:2002 Lead Environmental and Quality Auditing, and ISO 14001:2004 Essentials of Environmental Management.
- International Diploma in Environmental Management (IDipEm) – British Safety Council, U.K.
- USAID – ISO 9001:2000 Implementation and Documentation
- Wageningen University, International Agriculture Center (IAC), and the International Soil Reference and Information Center (ISRIC), The Netherlands – International Post-graduate Course on Soil and Plant Analysis, and Data Handling.
- Guyana National Bureau of Standards – Laboratory Accreditation and Quality Management
- Development Dimensions International – Team Building and Leadership to Facilitate Change.
- Post-Doctoral Research – University of Maryland/Maryland USDA-ARS

Professional Experience

New York City Department of Environmental Protection 2010 to Present
Bureau of Wastewater Treatment

Quality Assurance/EH&S Officer

- Ensure laboratory adherence to regulatory and certification requirements, the chemical hygiene plan and the agency's EH&S policies and guidelines.
- Conduct internal audits, and assist in third-party audits.
- Monitor data quality
- Identify corrective actions and recognize opportunities for improvement.
- Investigate non-compliances and write reports.
- Implement and review standard operating procedures and work instructions

Monthee Faye Homer-Gray

135-21 125th St. S/Ozone Park; Queens N.Y 11420 ▪ Telephone: 973-651-8683 ▪ E-mail: fayehomer@yahoo.com

- Assisting in the method development and implementation of new procedures.

Key Achievements:

- Established and led a quality assurance team.
- Developed and maintained a quality system documentation index
- Authored several standard operating procedures.
- Designed and implemented an MSDS filing and updating system
- Contributed significantly to the reduction of non-compliances obtained during third party audits.
- Spear-headed the acquisition of the laboratory's first state fire code permit.

Essex County College, Newark, NJ

2009 to 2013

Adjunct Professor

- Provided theoretical and practical instruction in Introductory Chemistry, General Chemistry I and General Chemistry II.

Medgar Evers College, CUNY, Brooklyn, NY

2009 to 2010; 2014 to Present

Adjunct Professor

- Provided theoretical and practical instruction in Chemistry for Health Professionals, General Chemistry I and General Chemistry II
- Provided practical instruction, and supervised student research projects in Quantitative Analysis

Guyana Sugar Corporation Inc., GUYANA

1994 to 2007

Analytical Chemist/Manager – Central Analytical & Environmental Laboratory

- Supervised 15 staff members and reported to the Agriculture Research Director
- Provided routine and non-routine analytical testing services for water, plant tissue, soil and other materials for product development, research and regulatory compliance.
- Other responsibilities included preparation of technical reports; development, implementation and review of policies, SOPs, and protocols for laboratory operations, and environmental management, method development, equipment maintenance, preparation of operational and capital budgets, purchase of supplies and equipment, performance reviews and internal auditing for corporate EH&S policies, and ISO 9000 certification.
- Delivered on the job training on chemical analysis, and environmental management.
- Liaised with the regulatory bodies on environmental and food safety matters and environmental consultants involved in the environmental impact assessment for the Corporation's expansion project
- Collaborated with multi-disciplinary teams on research projects

Key Achievements:

- Reviewed and improved the influent-effluent stream water monitoring system
- Designed and implemented a supplies inventory system resulting in cost reduction
- Expanded the scope of proficiency testing.
- Led the development of management systems for ISO 17025 and 14001 certification
- Developed and implemented an environmentally safer procedures for sample preparation for sugar analysis and disposal of environmentally hazardous wastes

Consultancies

1994 to 2005

Held several consultancies in the areas of environment and analytical laboratory testing services

Publications (1991–2008)

More than 10 research papers in the areas of chemical analysis, sugar-cane processing and metal hyper-accumulating plants.

References: Available upon request.

M.F.H-G;12/08/2015