



Ethics and Data Integrity Workshop - Agenda Management, Field Activities, Operations, and the Environmental Laboratory

Instructor: Mark A. Alessandrone, PE, CHMM, Principal Consultant – The Markay Consulting Group LLC

- 10:00-10:15am** **Introductions, Agenda, and Purpose**
General FDEP, EPA, FDOH-TNI Standard data integrity requirements.
- 10:15-10:30am** **Florida Department of Environmental Protection (FDEP)**
Specific requirements for FDEP, including references to FDOH and TNI.
- 10:30-10:45am** **General Ethics and Data Integrity Overview**
General discussion of ethics, morals, and data integrity.
- 10:45-11:15am** **Management’s Responsibilities and Role**
Management’s responsibilities and role in promoting (or inadvertently discouraging) data integrity and ethical behavior.
- 11:15-12:00pm** **Pertinent Requirements related to Field Activities**
FDEP updates and requirements, including FDEP Field SOPs. Other EPA and FDOH-TNI requirements related to field activities. Required documentation and traceability examples to maintain data integrity. Examples of improper field sampling practices and fraud. Discussion of deterrence and detection, field audits. Examples of “real” trial cases and penalties.
- 12:00-1:00pm** **Break**
- 1:00-2:00pm** **Pertinent Requirements related to Operations and the Environmental Laboratory**
FDEP, EPA, and FDOH-TNI requirements related to operations and the environmental laboratory. Required documentation and traceability examples to maintain data integrity. Improper environmental laboratory procedures and fraud. Discussion of deterrence and detection, FDEP and third-party audits, penalties.
- 2:00-2:45pm** **Fraud Indicators, Detection and Deterrence in the Environmental Laboratory**
Improper data manipulations. Examples of “real” trial cases and penalties.
- 2:45-3:00pm** **Closing Thoughts and Take-away messages.**
Key learning points, closing thoughts. Questions.