

StrataExplorer

Quick Facts

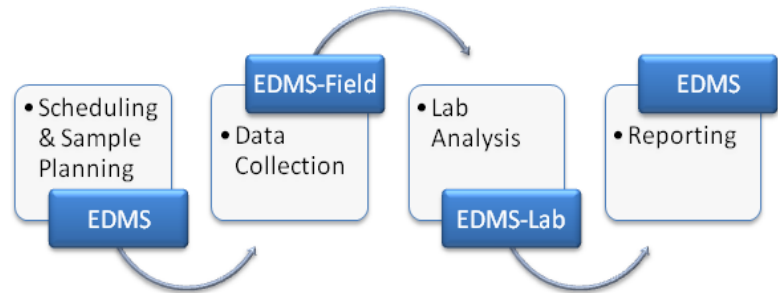
The EDMS Lab is a free program provided by GAEA Technologies, that can be used to enter and upload analytical results to a client's Environmental Data Management System (EDMS) application.

These analytical results are uploaded to a client's database by either FTP or email as an Electronic Data Deliverable (EDD).

Benefits

- The electronic reporting of lab data reduces the effort and possibly of errors of manual data entry.
- A Certificate of Analysis (COA) can be included in the EDD and a copy stored in the main database.
- In addition to FTP and email, lab results can be exported to an XML file that can be manually imported by the client.
- Sample tracking and client notification for events such as; date received by lab, date analysed, date analysis sent, date sample stored, and date sample disposed.
- Automatic conversion of concentration units.
- Capture of analysis method.
- Capture and reporting of field and lab duplicates and blanks QA.
- Capture and reporting of holding time and reference material QA.
- Capture and reporting of matrix and trip spikes, lab control samples, and surrogates QA.

EDMS Lab



EDMS, EDMS Lab, and EDMS Field are used to improve and standardize environmental data collection, management, and reporting in an efficient and cost-effective manner.

This process can be divided into four stages:

1. Scheduling and Sample Planning

The first stage is the scheduling and planning of sampling events. EDMS allows project managers to design, delegate, and monitor sampling events. Sampling events can be either singular or reoccurring.

2. Data Collection

When a sampling event occurs, detailed sample information can be recorded for each environmental media on a Windows laptop or tablet using EDMS Field. Sample data collected using EDMS Field can be uploaded to the main database remotely as an Electronic Data Deliverable (EDD).

3. Lab Analysis

Samples submitted for lab analysis are tracked during the shipping, receiving, lab analysis, and reporting process. This tracking is reported on by EDMS and EDMS Lab. Analytical labs using EDMS Lab can upload analysis results to the main EDMS database automatically as an EDD. The electronic reporting of lab data reduces the effort and possibly of errors of manual data entry. A Certificate of Analysis (COA) can be included in the EDD and a copy stored in the main database.

4. Reporting

Sample and lab analysis results can be collated and reported on in a variety of tables and graphs. These tables and graphs can be easily customized to meet internal and external needs.

Electronic Data Deliverables

Electronic Data Deliverables (EDDs) are used to exchange data between the EDMS module, EDMS Field, and EDMS Lab. All EDDs are stored in XML format and are transferred either by email or FTP. These EDDs are automatically imported by the receiving application when that application is started.

EDD Type	Originator	Receiver
Sampling Task Data	EDMS	EDMS Field
Project Data	EDMS Field	EDMS
Station Data	EDMS Field	EDMS
Sample Data	EDMS Field	EDMS
Lab Analysis Data	EDMS Lab	EDMS

Notifications

Notifications can be sent throughout the work process. These notifications can only be setup in tasks and can only be used when tasks are used to control the work flow.

Notification	Originator
Sample required	EDMS
Sample collected*	EDMS Field
Sample not collected (non-compliant)	EDMS
Sample shipped to lab*	EDMS Field
Sample received by lab*	EDMS Lab
Lab analysis complete*	EDMS Lab
Lab analysis received	EDMS
Parameter exceedence (non-compliant)	EDMS
Sample stored by lab	EDMS Lab
Sample disposed by lab	EDMS Lab

