



DATA QUALITY ASSESSMENT AND DATA MANAGEMENT

Data used for decision-making purposes must be reliable and of known quality. Data quality assessment is a systematic approach to reviewing environmental analytical data. It involves detailed scrutiny of every aspect of the sample collection and analysis process. This ensures that anomalies or issues are noted and addressed, and that the data can be accurately evaluated for precision, accuracy, completeness, and compliance with data quality or program objectives. Reviewing and assessing data quality is a critical step prior to reporting and decision-making. At SynTerra we enable our clients to make solid, reliable decisions based on the knowledge of the data quality.

Quality Assurance and Data Management

In addition to data quality assessment, we also offer expertise in other areas of quality assurance management, including project planning, the preparation of quality assurance project plans, sampling and analysis plans, technical support, and data management. We have extensive experience managing environmental data using a variety of software programs including EnviroData®, ChemPoint®, and Microsoft Access®. EnviroData® is a software program that integrates all aspects of environmental data management, reporting and visual graphics in one database. For projects with large data sets,

EnviroData® greatly enhances the reporting accuracy throughout deliverables from data summary tables, graphs, and charts, to water level maps, plume maps, well logs, and cross-sections.

Regulatory Compliance

SynTerra maintains open channels of communication with regulatory agencies at the federal, state, and local levels. Our staff is able to provide technical opinions on the applicability of new and existing regulations related to analytical data collection and analysis, and to project development of new requirements as they are emerging.



Other Assets

Data drive decisions. Our knowledge and understanding of environmental data quality greatly enhances SynTerra's ability to perform groundwater investigations and alternate source demonstrations for our clients. The key to these services is the ability to evaluate data from different media, sources, and time periods to form a more accurate big picture of true site conditions by fitting together the smaller pieces. The ability to integrate data of known high quality enhances rational decision-making in technical issues and in management of client resources.