

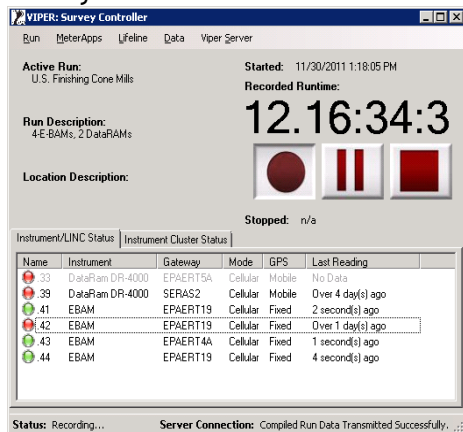
Attachment B3

VIPER for Data Managers

Visualization

Survey Controller provides an operational status view of the survey components, as well as a real time view of all active Meter Applications.

Survey Controller:

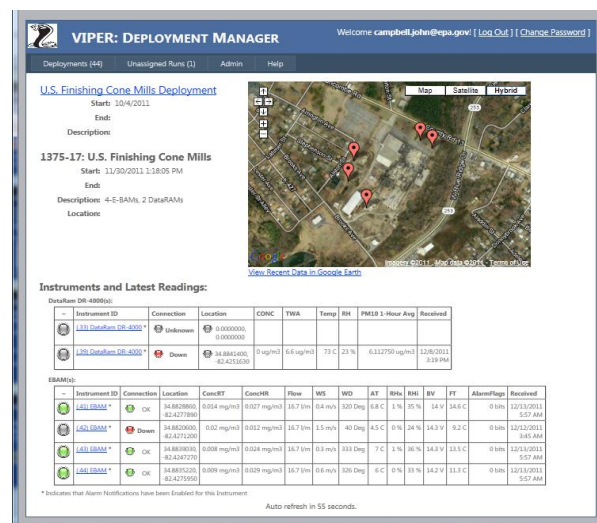


Meter Application:



Deployment Manager

Deployment Manager provides a live web view of the data, the locations of the instruments, and trend graphs for each instrument. Data is also displayed via a Google Earth KML field which automatically updates with new readings showing the real time movements of mobile survey teams.



Analysis

As Deployment Manager receives data from the field, it can be configured to calculate Time Weighted Averages (TWA) for a parameter in real time. These TWAs can be adjusted to average by any number of minutes, hours, or days. A user may also set instrument-specific alarms for a regular parameter or a calculated parameter and configure email alerts and notifications based on those alarms.

Storage

Using the Survey Controller, all data is stored locally in a SQL database and then published to a server where the data is stored alongside calculated TWA and alarms. Local data is accessible in the SQL database and as auto generated text files for local use.