

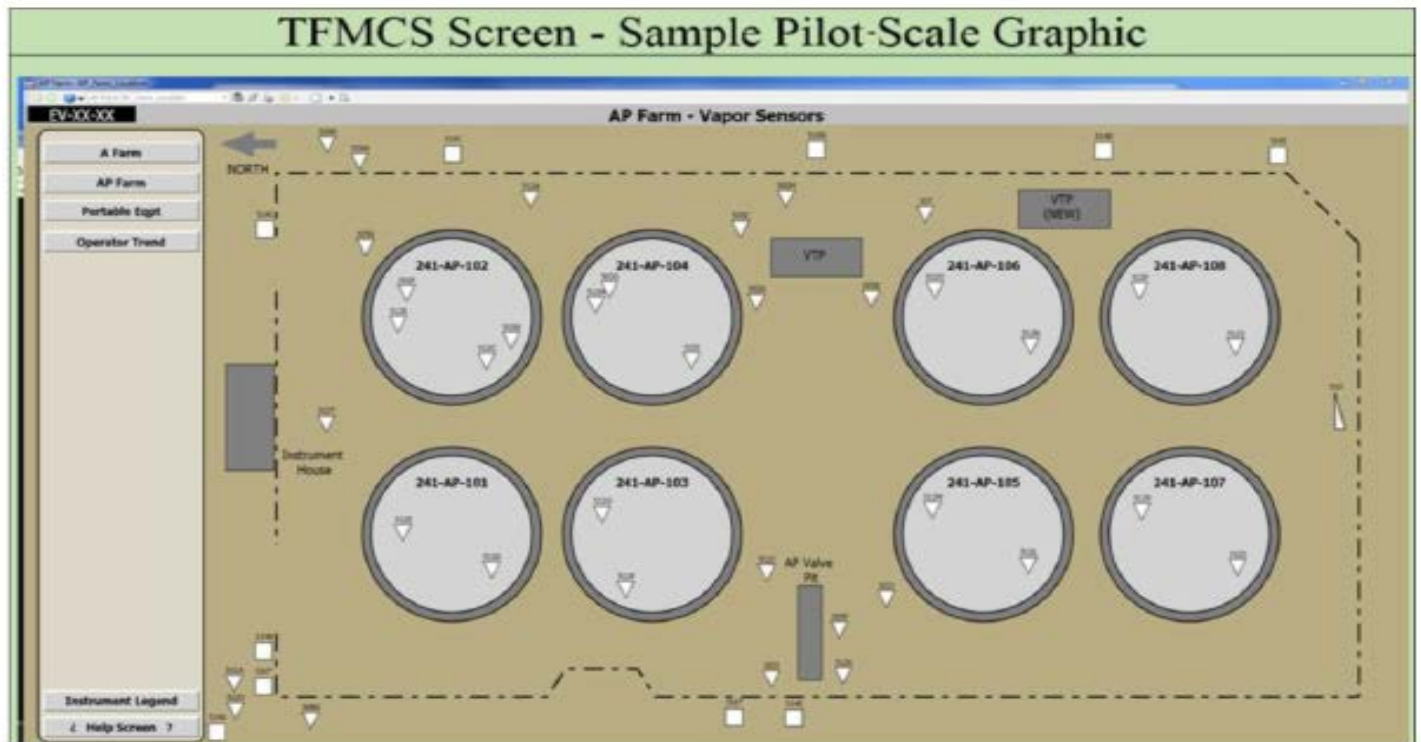
The Tank Farm Monitoring and Control System (TFMCS) is the Tank Operations Contractor-distributed control system for Hanford's tank farms. The system provides monitoring and control of exhauster and waste-transfer operations. The OSI/Soft PI data historian is a repository of data produced by tank farm plant systems and selected data is available for viewing via PI CoreSight.

Instrument data associated with the Vapor Monitoring and Detection pilot-scale test will be available to TFMCS and OSI/PI in order to provide real-time monitoring and trending capability for all vapor concentration and meteorological readings. The TFMCS will provide Engineering, Operations and Industrial Hygiene personnel with a dedicated workspace to supervise pilot-scale testing and to respond to vapor instrument events when they occur. Selected sensors will have alarm capabilities to alert personnel when vapor thresholds have been reached, which will allow personnel to take actions and alert others. Sensor trends will be available on OSI/PI to analyze the behavior of detected chemical vapors.

The pilot-scale screens for each tank farm, with test equipment, will be available. When vapor thresholds are exceeded, icons on the graphic will change color to indicate the event. By clicking on the icon, a secondary graphic that provides real-time sensor values and trending capabilities will appear.

Capabilities/Features

- Real-time monitoring, control and data management
- Centralized control rooms and work stations



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