

# Abstract

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### **Environmental Data Warehouse Integrates Analytical Data, GIS, and the Web**

**Track:** Environment Solutions

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An environmental data warehouse (EDW), developed for USDOE/NNSA's Pantex Plant, brings environmental analytical data from nearly two million legacy environmental records and spatial information about the site together into a single database accessible through an intranet web page or ArcGIS software. The web page includes a tabular analytical data query interface, a GIS viewer to display spatial site information and analytical data, online access to well lithologic and geophysical logs and site photographs, and a simple data trending tool. ArcSDE provides linked GIS and analytical data for complex data analysis and cartography by two individual ArcGIS users throughout the department.

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