Harrison Hub Fractionation Facility

In collaboration with the joint venture’s partners—Access Midstream, M3 Midstream, and EV Energy Partners—Kleinfelder helped build the largest integrated midstream service complex in Eastern Ohio for processing natural gas and natural gas liquids (NGL) in the Utica Shale. Development of the multi-facility complex requires diverse civil design and environmental permitting services.

**TIME-SENSITIVE PROJECT**
This project, the first fully integrated gathering, processing, and fractionation complex operating in Eastern Ohio, eliminates a major bottleneck to Ohio drillers that have been suffering from a lack of available processing facilities. The complex consists of 30 miles of liquids gathering pipelines, compression facilities, cryogenic processing, NGL fractionation, and loading and terminal facilities. UEOM needed to complete the civil design and permitting for the Harrison Facility by late summer 2012, in order for construction to begin and major earthwork to be completed before winter.

**FROM INCEPTION THROUGH COMPLETION**
Drawing on Kleinfelder’s experience, expertise, and success working in the Marcellus Shale, UEOM engaged us as a sole-source provider for many large-scope projects to keep this major capital investment program progressing. For example, through innovative terracing and segregation of the facility pads, we are helping the client avoid U.S. Army Corps of Engineers (USACE) permits for impacting wetlands. Also, by constructing retaining walls, we reduced the cut/fill slopes on the site and made available more usable pad area for process equipment. Throughout the project, we leveraged Autodesk Civil 3D software to quickly develop design models that could be shared with project stakeholders for analysis and decision-making.

**PROJECT RESULTS**
At every step in the permitting and design process, Kleinfelder sought to reduce the sensitivity of the design to outside forces, such as permitting authorities, material delivery, and specialty contractors. Team members met frequently with regulatory staff to ensure they had the information necessary to process permit applications and to expedite the review process. As a result, the tight schedule was met.

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**Location:**
Ohio (Statewide)

**Owner:**
Utica East Ohio Midstream (UEOM)