Notes:

1) Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
2) Model was run from 1950 to 2006 using an infiltration rate of 7.3 in/yr, dispersivity of 32 ft, no biodegradation or retardation, and with the GMCS barrier wall in place throughout the simulation, but the GMCS pumping wells turning on in December 2004. Based on historical potentiometric surface maps, the River Ranney well was placed approximately 3000 ft north of Site R. The Plant Ranney wells were placed north of the W.G. Krummrich employee parking lot.

GSI ENVIRONMENTAL

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Revised: --	Approved By: CJN
Scale: As Shown	FIGURE 2

Qualitative Calibration: Case 1

Middle Hydrogeologic Unit (Layer 2 in Model)

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer