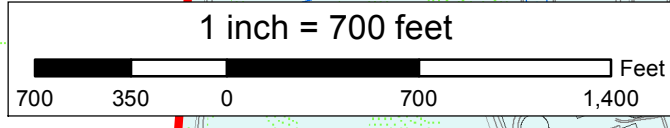
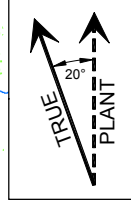


Notes:
 1. Data from the most recent 2010 sampling event used except where noted.
 2. For co-located wells completed at multiple depths, the highest value for the period was mapped.
 3. MW-156 and MW-408 were not sampled in 2010 so most recent data from those wells are posted.



LEGEND

- | | | | |
|---|---|---|---|
| <p>2010 Plume Concentration Fields</p> <ul style="list-style-type: none"> - Tc-99 ≥ 900 pCi/L - Tc-99 ≥ 3750 pCi/L | <p>2007 Plume Isoconcentration Lines</p> <ul style="list-style-type: none"> - Tc-99 = 900 pCi/L | <ul style="list-style-type: none"> - Water Policy Area - Source Areas - Parcel Lines - Monitoring Well Identification, Date of Sample & Sample Value - RGA Well - Extraction Well - Inactive Extraction Well | <ul style="list-style-type: none"> - DOE Property Boundary - Roadways - Streams - Railroad - TVA Powerlines |
|---|---|---|---|
- MCL = Maximum Contaminant Level

LATA Environmental Services of Kentucky, LLC

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 PORTSMOUTH / PADUCAH PROJECT OFFICE
 PADUCAH GASEOUS DIFFUSION PLANT

Figure 1. 2010 Tc-99 Plume - Regional Gravel Aquifer with Tc-99 MCL Isoconcentration Line Displayed

FILE NAME: Fig_01_2007_2010_Plumes_Tc99_r1	PROJECT #: EM	SCALE: AS NOTED	DATE: 08-29-2011
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