



# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276 • (217) 782-2829  
James R. Thompson Center, 100 West Randolph, Suite 11-300, Chicago, IL 60601 • (312) 814-6026

PAT QUINN, GOVERNOR

DOUGLAS P. SCOTT, DIRECTOR

(217) 785-2359

June 18, 2010

CERTIFIED MAIL

7008 1830 0001 4712 7760

Brian H. Martin, CHMM  
Ameren Services  
One Ameren Plaza  
1901 Chouteau Avenue, P.O. Box 66149  
St. Louis, Missouri 63166-6149

FILE COPY

AGENCY COOR

Re: 0190100008--Champaign County  
~~Champaign/IP Town Gas~~  
Site Remediation Program/Technical Reports

Dear Mr. Martin:

The Illinois Environmental Protection Agency ("Illinois EPA") has completed review of the *Groundwater Monitoring Update – 1<sup>ST</sup> Quarter 2010 Sampling Event* ("Groundwater Sampling Event"). The Groundwater Sampling Event was received by the Illinois EPA on May 25, 2010 (Log No. 10-44895).

The Illinois EPA approves of the above Groundwater Sampling Event and has the following observations:

1. The Illinois EPA collected split groundwater samples at monitoring wells UMW-106R, UMW-122 and UMW-123 on March 10, 2010. The cyanide analytical results for these three groundwater monitoring wells were: UMW-106R - 0.130 mg/l; UMW-122 - 0.10 mg/l; and UMW-123 - <0.005 mg/l, respectively. These results are comparable to Ameren's analytical results for these three groundwater monitoring wells of: UMW-106R - 0.138 mg/l; UMW-122 - 0.122 mg/l; and UMW-123 - <0.007 mg/l, respectively. None of these results exceed the Class I groundwater objective of 0.2 mg/l for cyanide.
2. The Illinois EPA analyzed the groundwater samples for the complete volatile and semi-volatile organic scans. All of the analytical results for the volatile organic

Rockford • 4302 N. Main St., Rockford, IL 61103 • (815) 987-7760

Elgin • 595 S. State, Elgin, IL 60123 • (847) 608-3131

Bureau of Land – Peoria • 7620 N. University St., Peoria, IL 61614 • (309) 693-5462

Collinsville • 2009 Mall Street, Collinsville, IL 62234 • (618) 346-5120

Des Plaines • 9511 W. Harrison St., Des Plaines, IL 60016 • (847) 294-4000

Peoria • 5415 N. University St., Peoria, IL 61614 • (309) 693-5463

Champaign • 2125 S. First St., Champaign, IL 61820 • (217) 278-5800

Marion • 2309 W. Main St., Suite 116, Marion, IL 62959 • (618) 993-7200

compounds and semi-volatile organic compounds were below detection limits and therefore do not exceed a remediation objective.

3. The Illinois EPA also analyzed the groundwater samples for metals. Monitoring well UMW-106R contained lead (13.1 ug/l) and manganese (249 ug/l) exceeding the Class I groundwater objective of 7.5 ug/l for lead and 150 ug/l for manganese. Monitoring well UMW-122 contained copper (865 ug/l) and manganese (266 ug/l) exceeding the Class I groundwater objective of 650 ug/l for copper and 150 ug/l for manganese. The Illinois EPA reviewed the past groundwater analytical data from on-site and off-site monitoring wells and has the following observations:
  - a) The manganese concentrations detected in the monitoring wells appear to be consistent with the background values identified in other monitoring wells in the area.
  - b) Copper has been detected in only one other monitoring well (UMW-101 on 12/27/90) exceeding the Class I groundwater objective. The concentration from UMW-122 appears to be an anomaly. However, the Illinois EPA suggests the next round of sampling include copper analysis to confirm or refute this metal as a contaminant of concern.
  - c) Lead has also been detected in UMW-101 on 12/27/90, UMW-103 on 12/16/90, and UMW-111 on 12/17/90 exceeding the Class I groundwater objective. The Illinois EPA suggests the next round of sampling include lead analysis to confirm or refute this metal as a contaminant of concern in groundwater.

All future submittals to the Illinois EPA concerning the Illinois Power Town Gas site in Champaign should include one original and two copies of each document. If you have any questions, please feel free to contact me at above telephone number, address or e-mail me at [Greg.Dunn@illinois.gov](mailto:Greg.Dunn@illinois.gov).

Sincerely,



Gregory W. Dunn, L.P.G., Manager  
Voluntary Site Remediation Unit B  
Remedial Project Management Section  
Division of Remediation Management  
Bureau of Land

Attached: March 10, 2010 Groundwater Monitoring Analytical Results

cc: Bureau of Land File (w/o attachment)  
Stan Black (w/o attachment)

Pete Sazama, P.G. (with Attachment)  
PSC Industrial Outsourcing, LP  
210 West Sand Bank Road  
Columbia, IL 62236-0230