

Analytical
data
2001-2002

The RETEC Group, Inc.
8605 W. Bryn Mawr Avenue, Suite 301
Chicago, IL 60631



June 6, 2002

(773) 714-9900 Phone
(773) 714-9805 Fax
www.retec.com

Ms. Maria L. Race
Senior Environmental Engineer
Midwest Generation, EMB, LLC
One Financial Place
4040 South LaSalle Street
Chicago, Illinois 60605

Subject: Groundwater Analytical Data for Midwest Generation Waukegan Generating Station

Dear Maria:

As requested by Commonwealth Edison (ComEd), The RETEC Group, Inc. (RETEC) is pleased to submit to you the analytical results of the groundwater sampling conducted on May 9, 2002 at the Midwest Generation Waukegan Generating Station. If you have any questions regarding these data, please call me at (773) 714-9900 or Pete McCauley from ComEd at (312) 394-4470.

Sincerely,

The RETEC Group, Inc.

A handwritten signature in cursive script that reads "David Meiri".

David Meiri, Ph.D., CGWP
Senior Program Manager

Attachments

cc: Mr. Peter B. McCauley, ComEd
File: CEDI4-15159-000

Site Name: Midwest Generation - Waukegan
 Date: May 09, 2002

			209723-002	209723-003	209723-004	209723-005	209723-001
			MW-10-050902	MW-11-050902	MW-12-050902	MW-13-050902	MW-14-050902
Solids, Total Dissolved (TDS)	E160.1	MG/L	560	1100	1600	200	870
Antimony	SW7041	MG/L	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Arsenic	SW6010B	MG/L	0.45	0.73	0.023	< 0.01	0.39
Calcium	SW6010B	MG/L	110	210	330	55	160
Iron	SW6010B	MG/L	5.3	2.4	4.6	0.083	2.1
Magnesium	SW6010B	MG/L	23	63	17	3.7	58
Manganese	SW6010B	MG/L	0.18	0.43	0.26	0.013	0.15

06/06/2002 17:50 FAX 773 794 9506

THE KETIC GROUP

COMED

003

LABORATORY TEST RESULTS

Job Number: 209723

Date: 06/05/2002

CUSTOMER: The RETEC Group (Inc.)

PROJECT: COMED - WAUKESHA

ATTN: Jing Shen Gabriel

Customer Sample ID: MW-10-050902
Date Sampled.....: 05/09/2002
Time Sampled.....: 12:15
Sample Matrix.....: Water

Laboratory Sample ID: 209723-2
Date Received.....: 05/15/2002
Time Received.....: 11:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	HDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
160.1	Solids, Total Dissolved (TDS) Solids, Total Dissolved (TDS)	560		4.9	10	1	mg/L	52290		05/16/02 1227	jmk
7041	Antimony (GFAA) Antimony	0.0030	U	0.0025	0.0030	1	mg/L	53484		06/02/02 2019	daj
6010B	Metals Analysis (ICAP Trace)										
	Arsenic	0.45		0.0052	0.010	1	mg/L	52302		05/17/02 1552	lmc
	Calcium	110	H	0.024	0.10	1	mg/L	52302		05/17/02 1552	lmc
	Iron	5.3		0.040	0.050	1	mg/L	52302		05/17/02 1552	lmc
	Magnesium	23		0.012	0.10	1	mg/L	52302		05/17/02 1552	lmc
	Manganese	0.18		0.00071	0.010	1	mg/L	52302		05/17/02 1552	lmc

* In Description = Dry Wgt.

06/05/2002 11:30 AM 1/3 194 9000

THE RETEC GROUP

COMED

MWG13-15

LABORATORY TEST RESULTS

Job Number: 209723 Date: 06/05/2002

CUSTOMER: The RETEC Group Inc. PROJECT: COMED - WAUKBEGAN ATTN: Jing Shen gabriel

Customer Sample ID: HW-11-050902
 Date Sampled.....: 05/09/2002
 Time Sampled.....: 13:45
 Sample Matrix.....: Water

Laboratory Sample ID: 209723-3
 Date Received.....: 05/15/2002
 Time Received.....: 11:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
160.1	Solids, Total Dissolved (TDS) Solids, Total Dissolved (TDS)	1100		4.9	10	1	mg/L	52290		05/16/02 1231	jmk
7041	Antimony (GFAA) Antimony	0.0030	U	0.0025	0.0030	1	mg/L	53533		06/03/02 1309	daj
6010B	Metals Analysis (ICAP Trace)										
	Arsenic	0.73		0.0052	0.010	1	mg/L	52302		05/17/02 1559	lmr
	Calcium	210	H	0.024	0.10	1	mg/L	52302		05/17/02 1559	lmr
	Iron	2.4		0.040	0.050	1	mg/L	52302		05/17/02 1559	lmr
	Magnesium	63		0.012	0.10	1	mg/L	52302		05/17/02 1559	lmr
	Manganese	0.43		0.00071	0.010	1	mg/L	52302		05/17/02 1559	lmr

* In Description = Dry Wgt.

Job Number: 209723		LABORATORY TEST RESULTS						Date: 06/05/2002			
CUSTOMER: The RETEC Group Inc			PROJECT: COMED - HAUKESAN			ATTN: Jing Shen Gabriel					
Customer Sample ID: MW-12-050902			Laboratory Sample ID: 209723-4			Date Sampled.....: 05/09/2002			Date Received.....: 05/15/2002		
Time Sampled.....: 11:20			Time Received.....: 11:30			Sample Matrix.....: Water					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
160.1	Solids, Total Dissolved (TDS) Solids, Total Dissolved (TDS)	1600		4.9	10	1	mg/L	52290		05/16/02 1235	jmk
7041	Antimony (GFAA) Antimony	0.0030	U	0.0025	0.0030	1	mg/L	53484		06/02/02 2056	daj
6010B	Metals Analysis (ICAP Trace)	0.023		0.0052	0.010	1	mg/L	52302		05/17/02 1605	lmr
	Arsenic	330	H	0.024	0.10	1	mg/L	52302		05/17/02 1605	lmr
	Calcium	4.6		0.040	0.050	1	mg/L	52302		05/17/02 1605	lmr
	Iron	17		0.012	0.10	1	mg/L	52302		05/17/02 1605	lmr
	Magnesium	0.26		0.00071	0.010	1	mg/L	52302		05/17/02 1605	lmr
	Manganese										

* In Description = Dry Wgt.

Job Number: 209723		LABORATORY TEST RESULTS						Date:06/05/2002				
CUSTOMER: The RETEC Group Inc.			PROJECT: COMED WALKERHAM			ATTN: Jing Shen Gabriel						
Customer Sample ID: MW-13-050902			Laboratory Sample ID: 209723-5									
Date Sampled.....: 05/09/2002			Date Received.....: 05/15/2002									
Time Sampled.....: 10:30			Time Received.....: 11:30									
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
160.1	Solids, Total Dissolved (TDS)	200			4.9	10	1	mg/L	52290		05/16/02 1239	jmk
7041	Antimony (GFAA)	0.0030	U		0.0025	0.0030	1	mg/L	53533		06/03/02 1322	daj
6010B	Metals Analysis (ICAP Trace)	0.010	U	H	0.0052	0.010	1	mg/L	52302		05/17/02 1611	lmr
	Arsenic	55			0.024	0.10	1	mg/L	52302		05/17/02 1611	lmr
	Calcium	0.083			0.040	0.050	1	mg/L	52302		05/17/02 1611	lmr
	Iron	3.7			0.012	0.10	1	mg/L	52302		05/17/02 1611	lmr
	Magnesium	0.013			0.00071	0.010	1	mg/L	52302		05/17/02 1611	lmr
	Manganese											

* In Description = Dry Wgt.

Job Number: 209723 LABORATORY TEST RESULTS Date: 06/05/2002

CUSTOMER: THE KETEC Group Inc. PROJECT: COMED - VALKESAN ATTN: Jing Shen Gabriel

Customer Sample ID: MW-14-050902
Date Sampled.....: 05/09/2002
Time Sampled.....: 12:55
Sample Matrix.....: Water

Laboratory Sample ID: 209723-1
Date Received.....: 05/15/2002
Time Received.....: 11:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	C. FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
160.1	Solids, Total Dissolved (TDS)	870		4.9	10	1	mg/L	52290		05/16/02 1223	jmk
7041	Antimony (GFAA)	0.0030	U	0.0025	0.0030	1	mg/L	53699		06/05/02 1027	daj
6010B	Metals Analysis (ICAP Trace)										
	Arsenic	0.39		0.0052	0.010	1	mg/L	52302		05/17/02 1546	lmr
	Calcium	160	H	0.024	0.10	1	mg/L	52302		05/17/02 1546	lmr
	Iron	2.1		0.040	0.050	1	mg/L	52302		05/17/02 1546	lmr
	Magnesium	58		0.012	0.10	1	mg/L	52302		05/17/02 1546	lmr
	Manganese	0.15		0.00071	0.010	1	mg/L	52302		05/17/02 1546	lmr

* In Description = Dry Wgt.