BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

In the Matter of:	)	
	)	
SIERRA CLUB, ENVIRONMENTAL LAW AND POLICY CENTER, PRAIRIE RIVERS NETWORK, and CITIZENS AGAINST RUINING THE ENVIRONMENT	)	
	)	**PCB 2013-015**
Complainants,	)	**(Enforcement – Water)**
	)	
v.	)	
	)	
MIDWEST GENERATION, LLC,	)	
	)	
Respondent.	)	

NOTICE OF FILING

TO: Don Brown, Assistant Clerk
Illinois Pollution Control Board
James R. Thompson Center
100 West Randolph Street, Suite 11-500
Chicago, IL 60601

Attached Service List

PLEASE TAKE NOTICE that I have filed today with the Illinois Pollution Control Board Respondent, Midwest Generation, LLC's Demonstrative Exhibits, copies of which are herewith served upon you.

MIDWEST GENERATION, LLC

By: /s/ Jennifer T. Nijman

Dated: October 23, 2017

Jennifer T. Nijman
Susan M. Franzetti
Kristen L. Gale
NIJMAN FRANZETTI LLP
10 South LaSalle Street, Suite 3600
Chicago, IL 60603
(312) 251-5255

SERVICE LIST

Bradley P. Halloran, Hearing Officer
Illinois Pollution Control Board
100 West Randolph Street
Suite 11-500
Chicago, IL 60601

Lindsay P. Dubin
Eric DeBellis and Jessica Dexter, also for Prairie Rivers Network and Sierra Club
Environmental Law & Policy Center
35 East Wacker Drive, Suite 1600
Chicago, IL 60601

Keith Harley
Chicago Legal Clinic, Inc.
211 West Wacker Drive, Suite 750
Chicago, IL 60606

Abel Russ
For Prairie Rivers Network
Environmental Integrity Project
1000 Vermont Avenue, Suite 1100
Washington, DC 20005

Faith E. Bugel
Attorney at Law
Sierra Club
1004 Mohawk
Wilmette, IL 60091

Greg Wannier, Associate Attorney
Sierra Club
2101 Webster Street, Suite 1300
Oakland, CA 94612

CERTIFICATE OF SERVICE

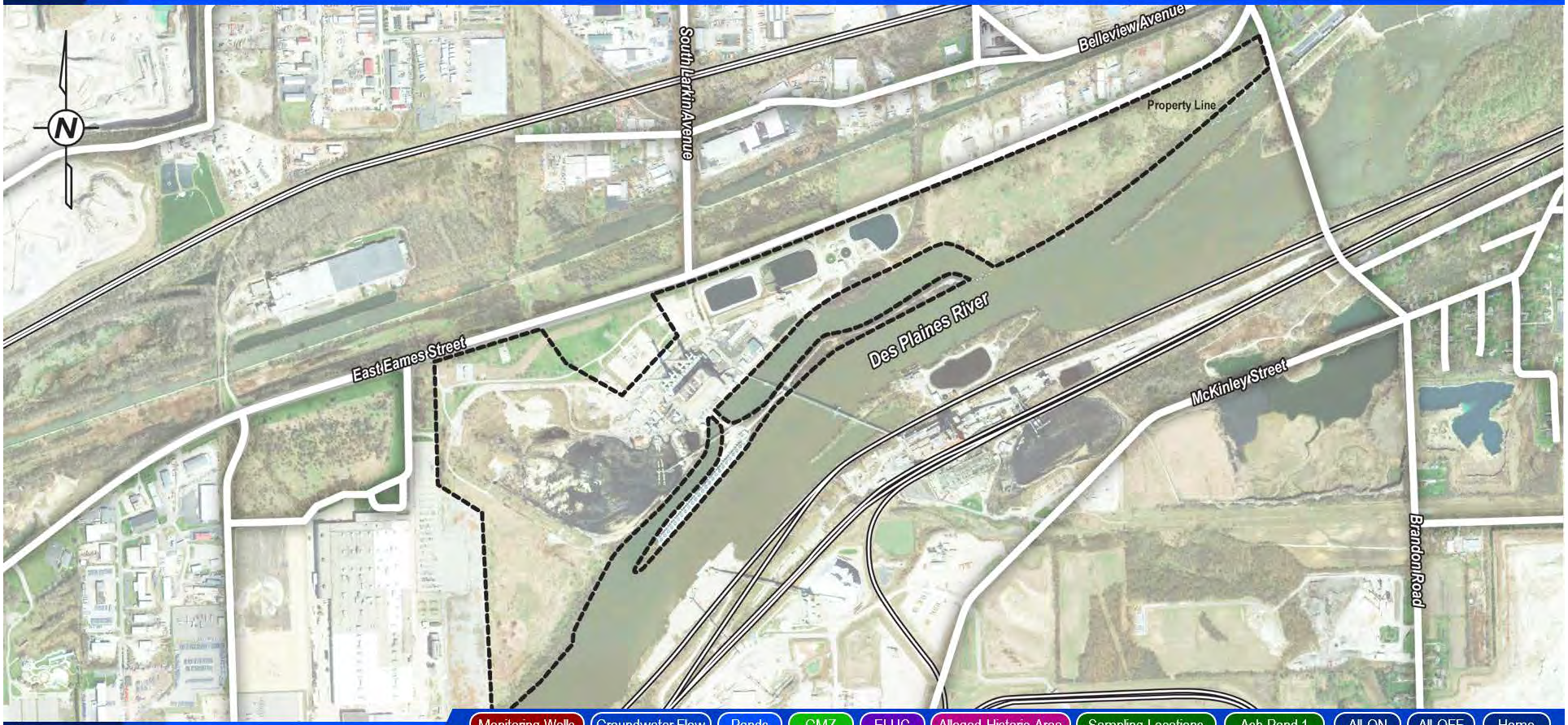
The undersigned, an attorney, certifies that a true copy of the foregoing Notice of Filing and Midwest Generation LLC's Demonstrative Exhibits was filed electronically on October 23, 2017 with the following:

Don Brown, Assistant Clerk
Illinois Pollution Control Board
James R. Thompson Center
100 West Randolph Street, Suite 11-500
Chicago, IL 60601

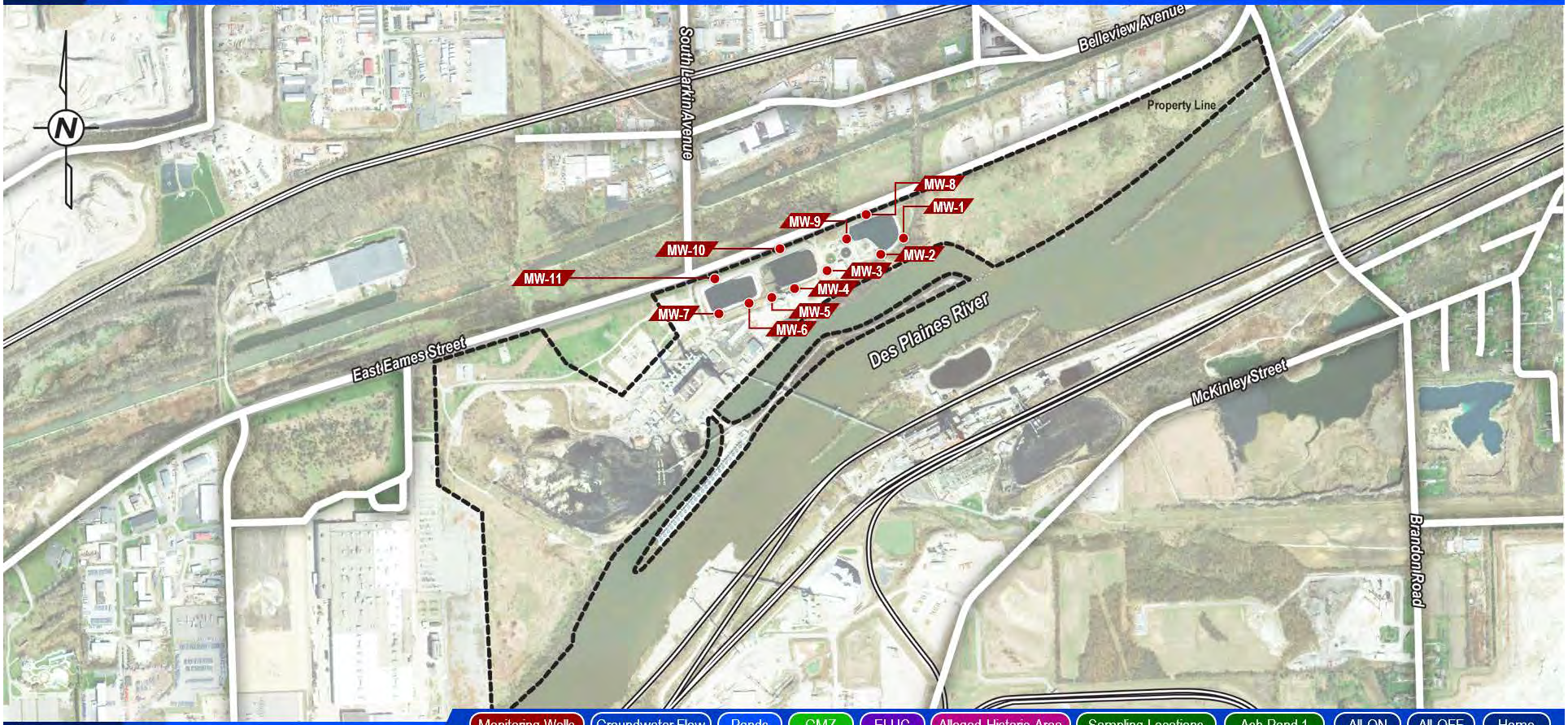
and that true copies were emailed on October 23, 2017 to the parties listed on the foregoing Service List.

/s/ Jennifer T. Nijman

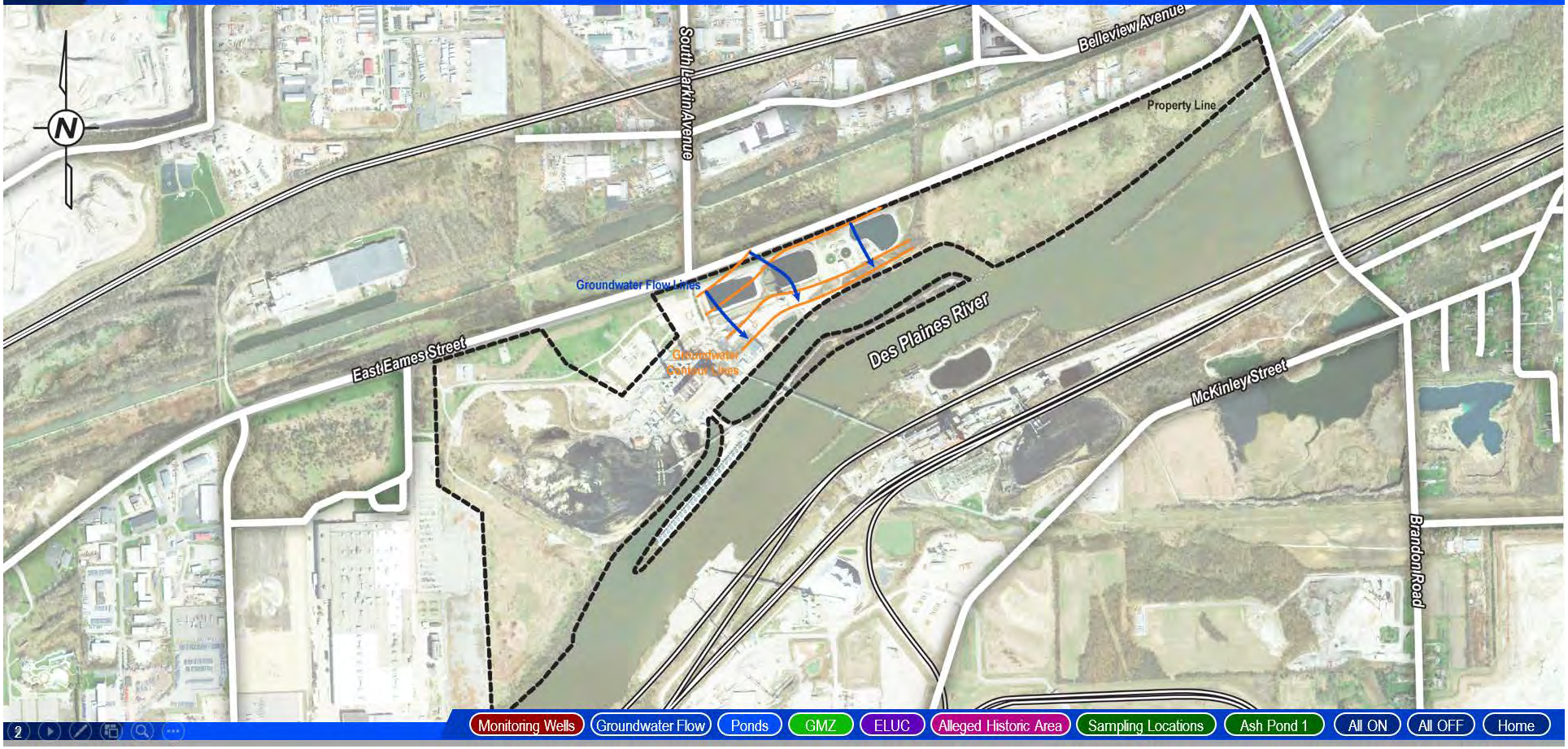
Joliet #29 Generating Station – Joliet, Illinois



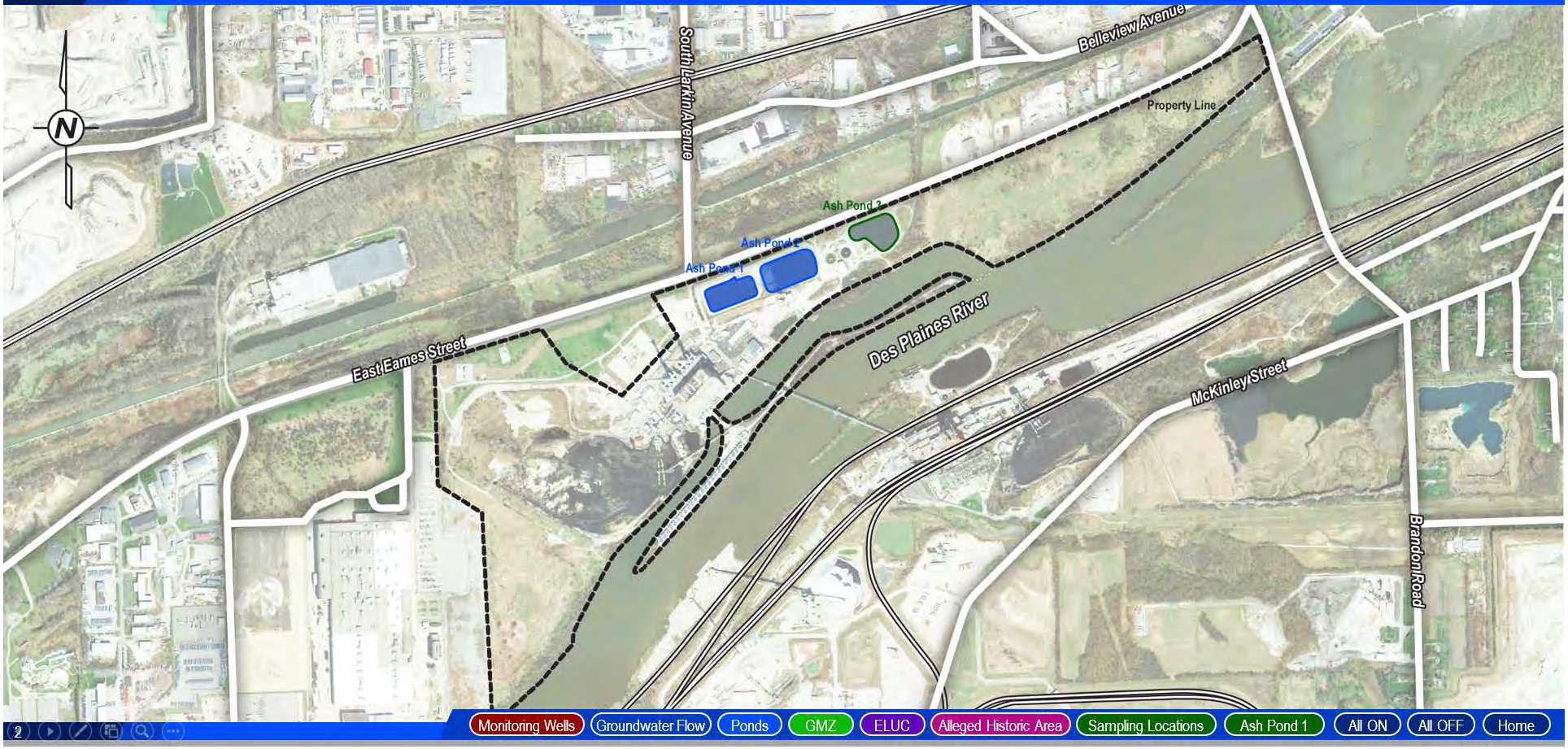
Joliet #29 Generating Station – Joliet, Illinois



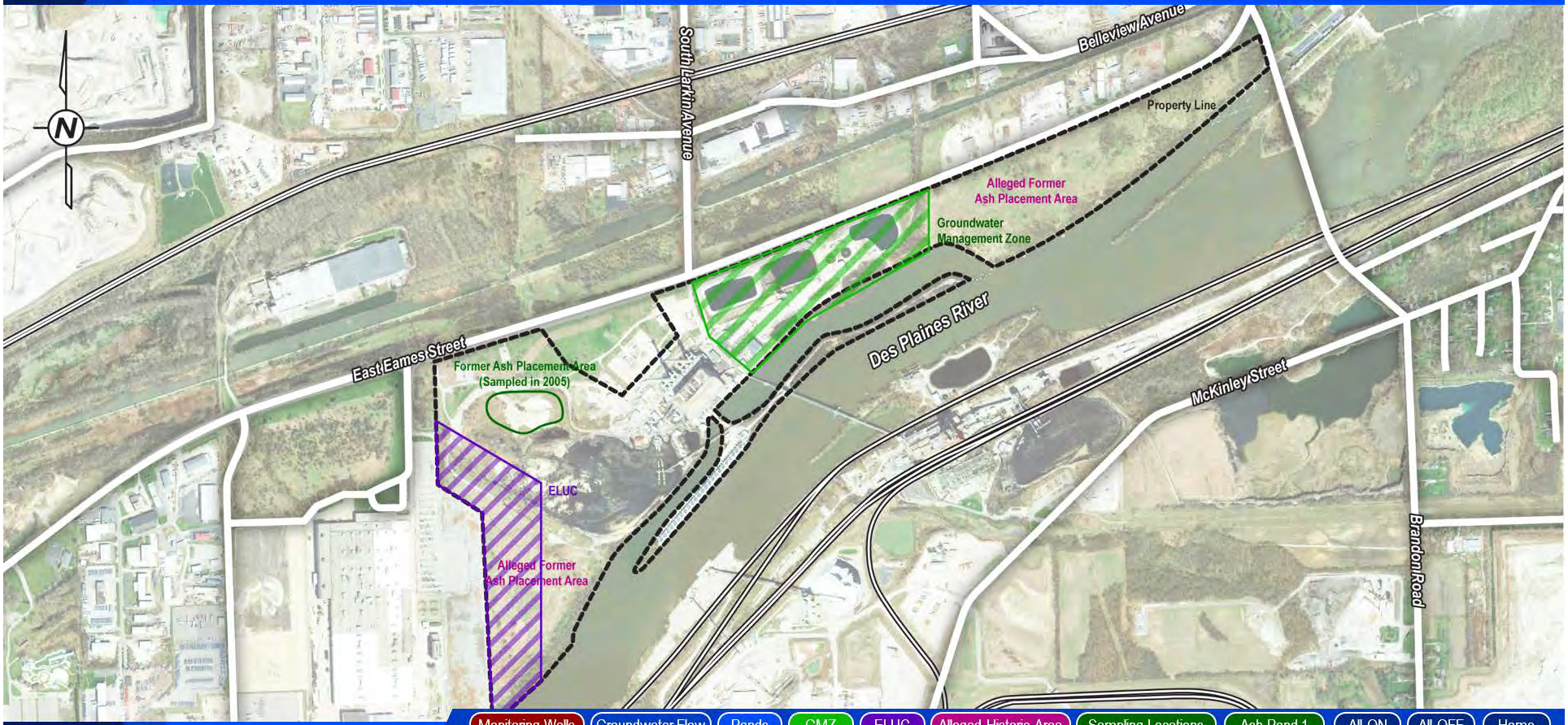
Joliet #29 Generating Station – Joliet, Illinois



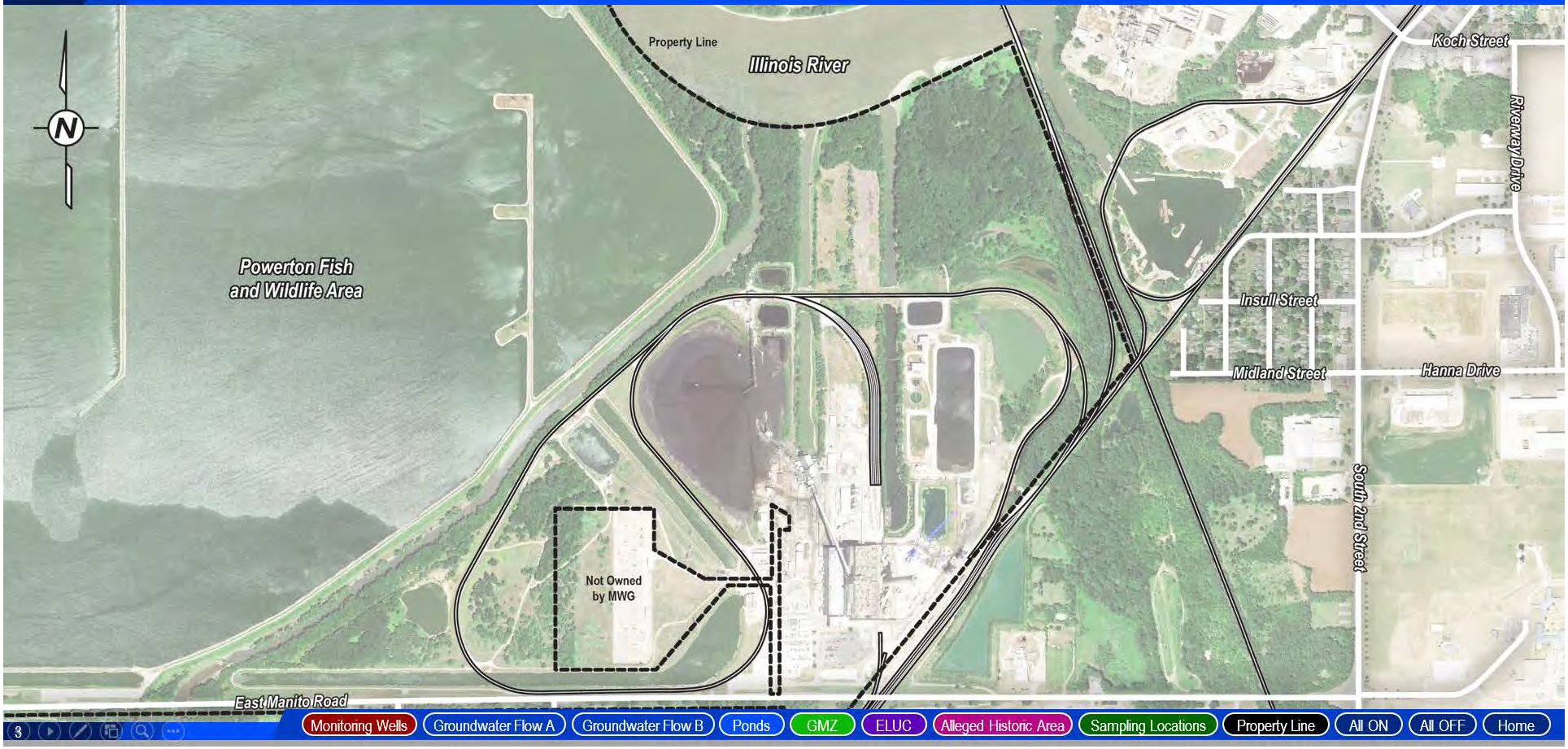
Joliet #29 Generating Station – Joliet, Illinois

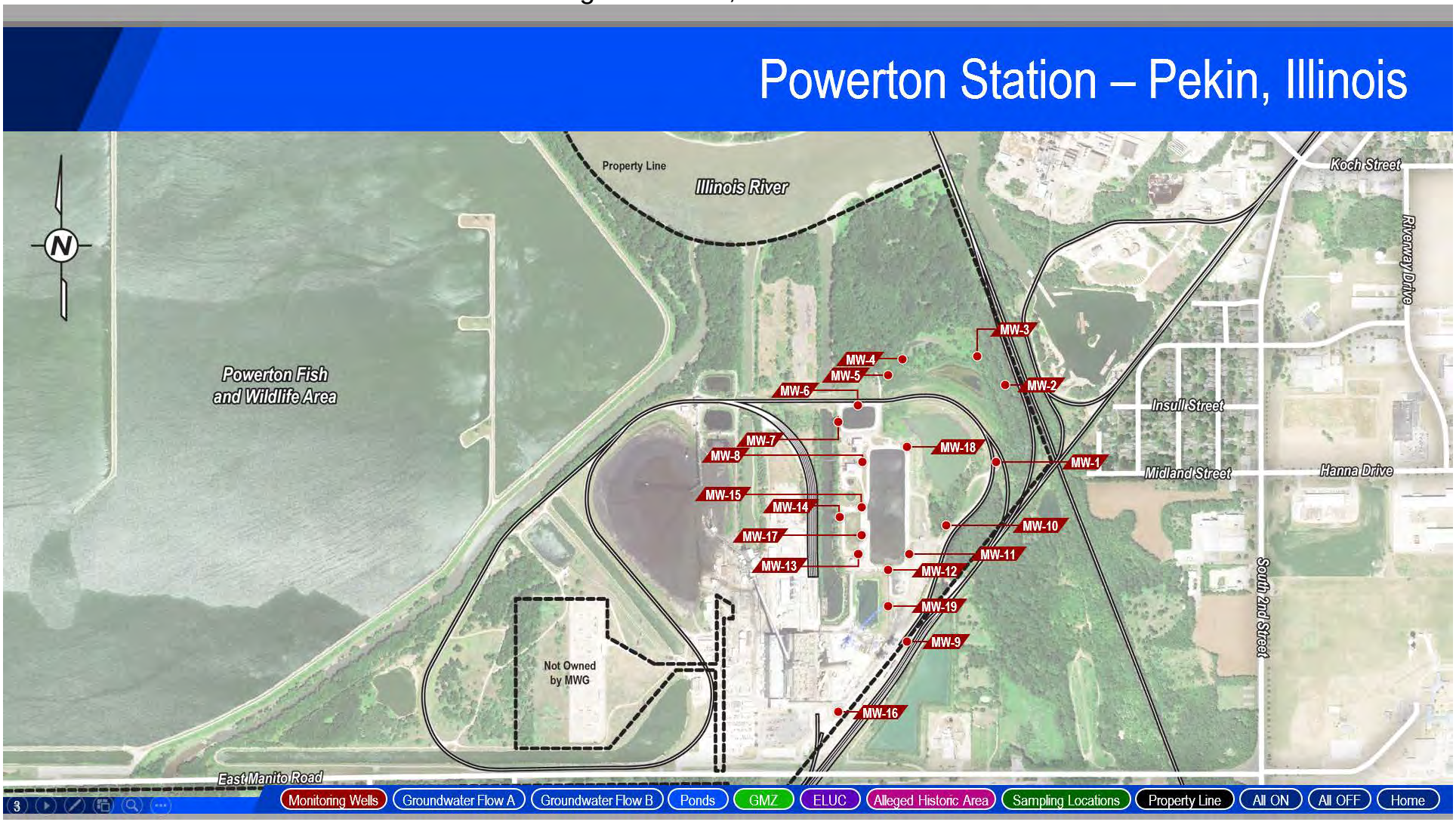


Joliet #29 Generating Station – Joliet, Illinois

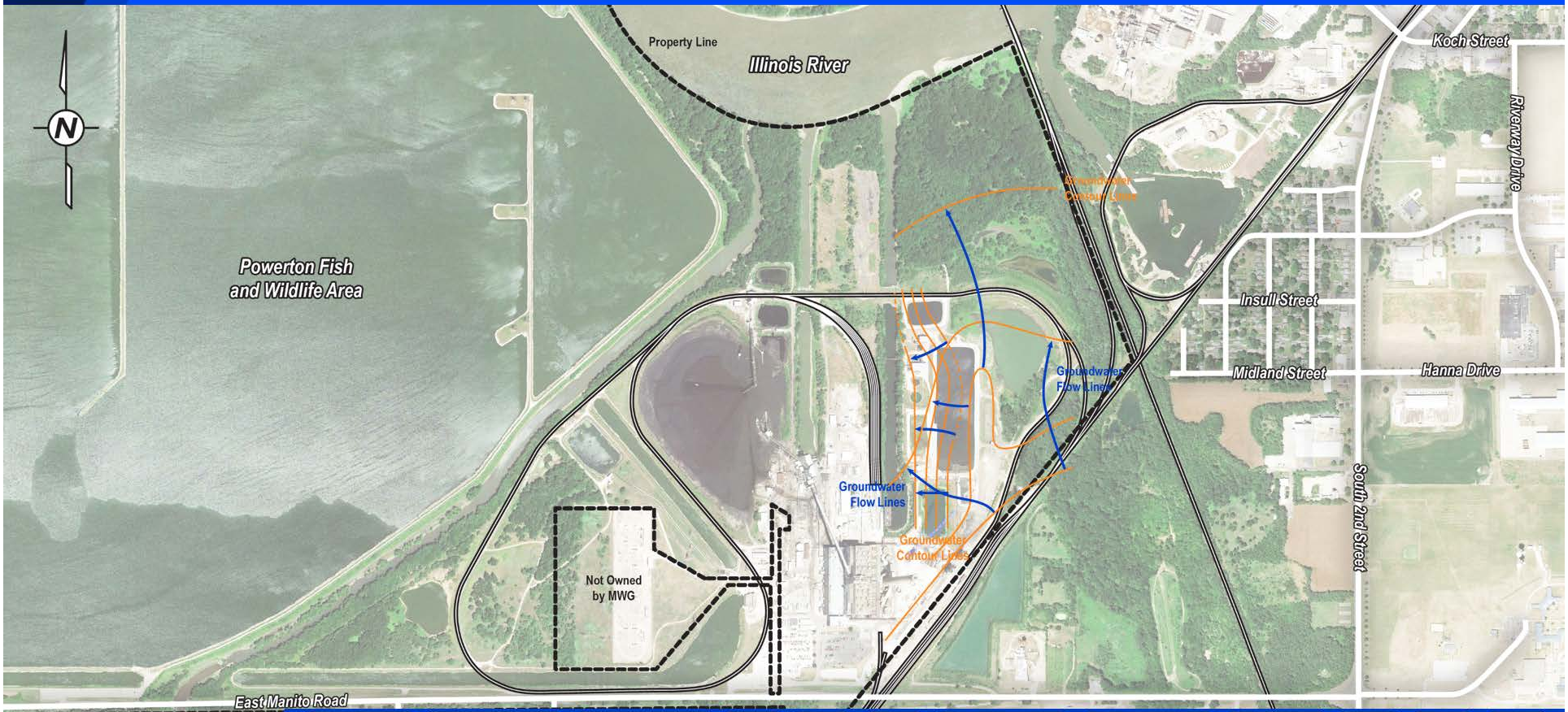


Powerton Station – Pekin, Illinois

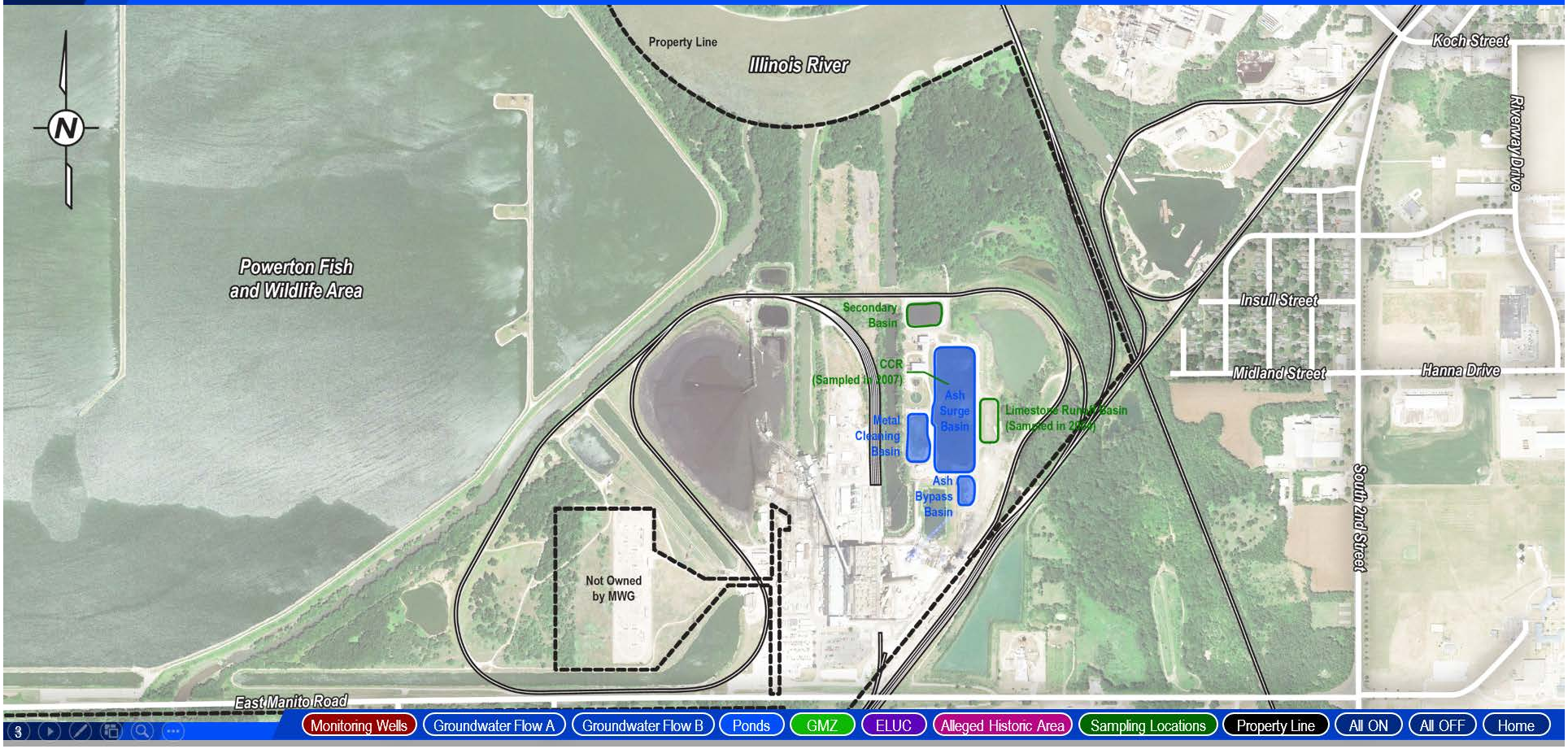



Powerton Station – Pekin, Illinois
Property Line
Illinois River
Koch Street
Riverway Drive
Powerton Fish and Wildlife Area
MW-3
MW-4
MW-5
MW-2
MW-6
Insull Street
MW-7
MW-18
MW-8
MW-1
Midland Street
Hanna Drive
MW-15
MW-14
MW-10
MW-17
MW-11
MW-13
MW-12
South 2nd Street
MW-19
MW-9
Not Owned by MWG
MW-16
East Manito Road
Monitoring Wells
Groundwater Flow A
Groundwater Flow B
Ponds
GMZ
ELUC
Alleged Historic Area
Sampling Locations
Property Line
All ON
All OFF
Home
3

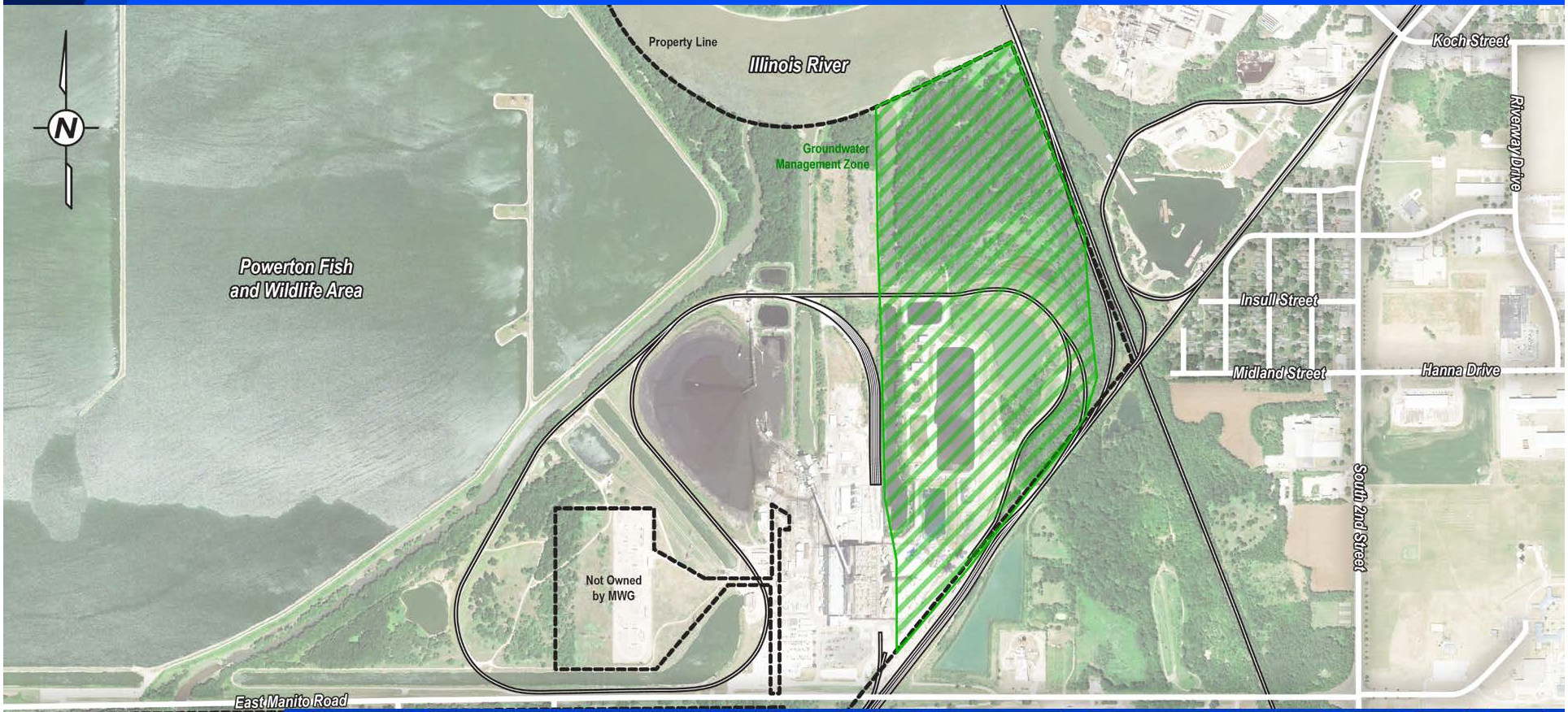
Powerton Station – Pekin, Illinois



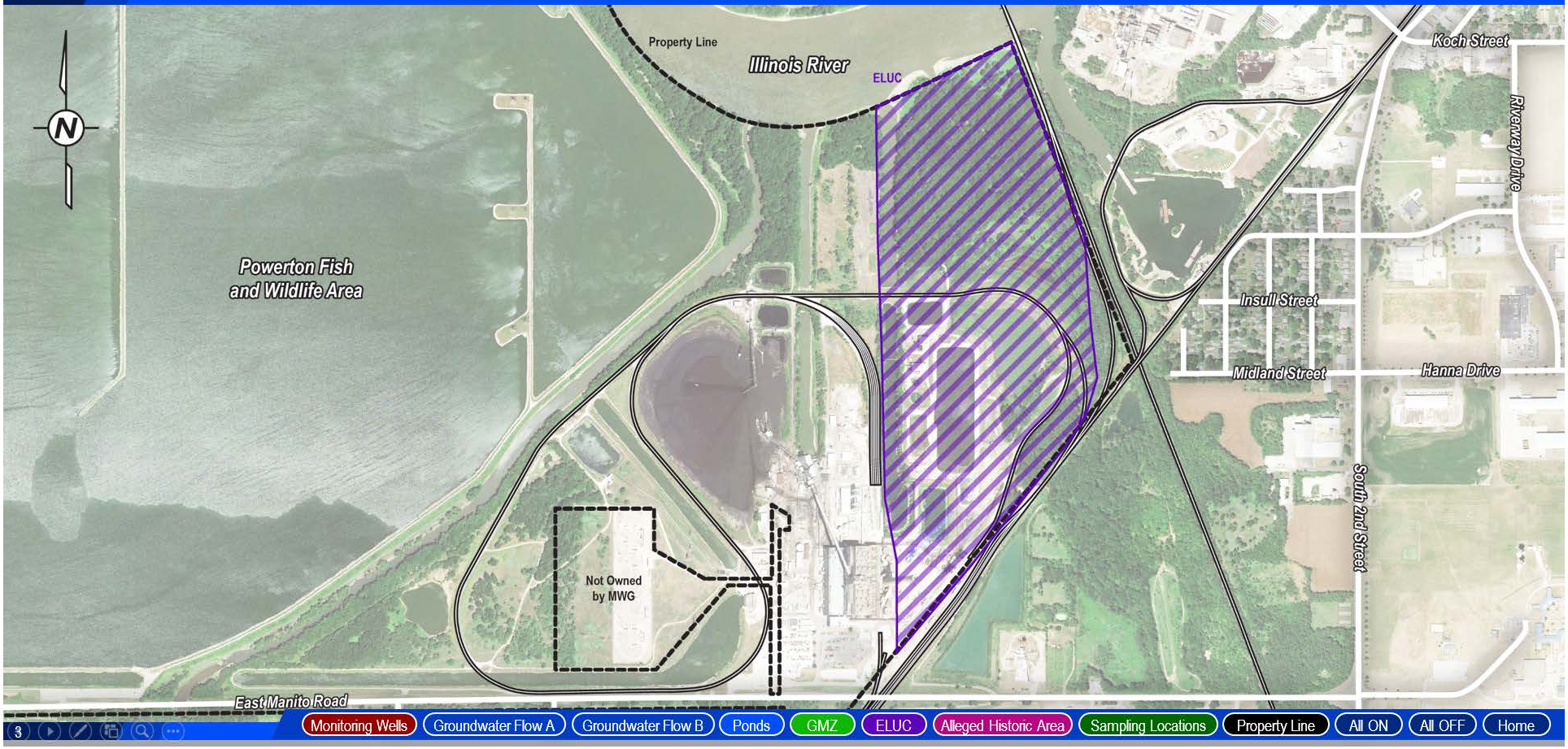
Powerton Station – Pekin, Illinois



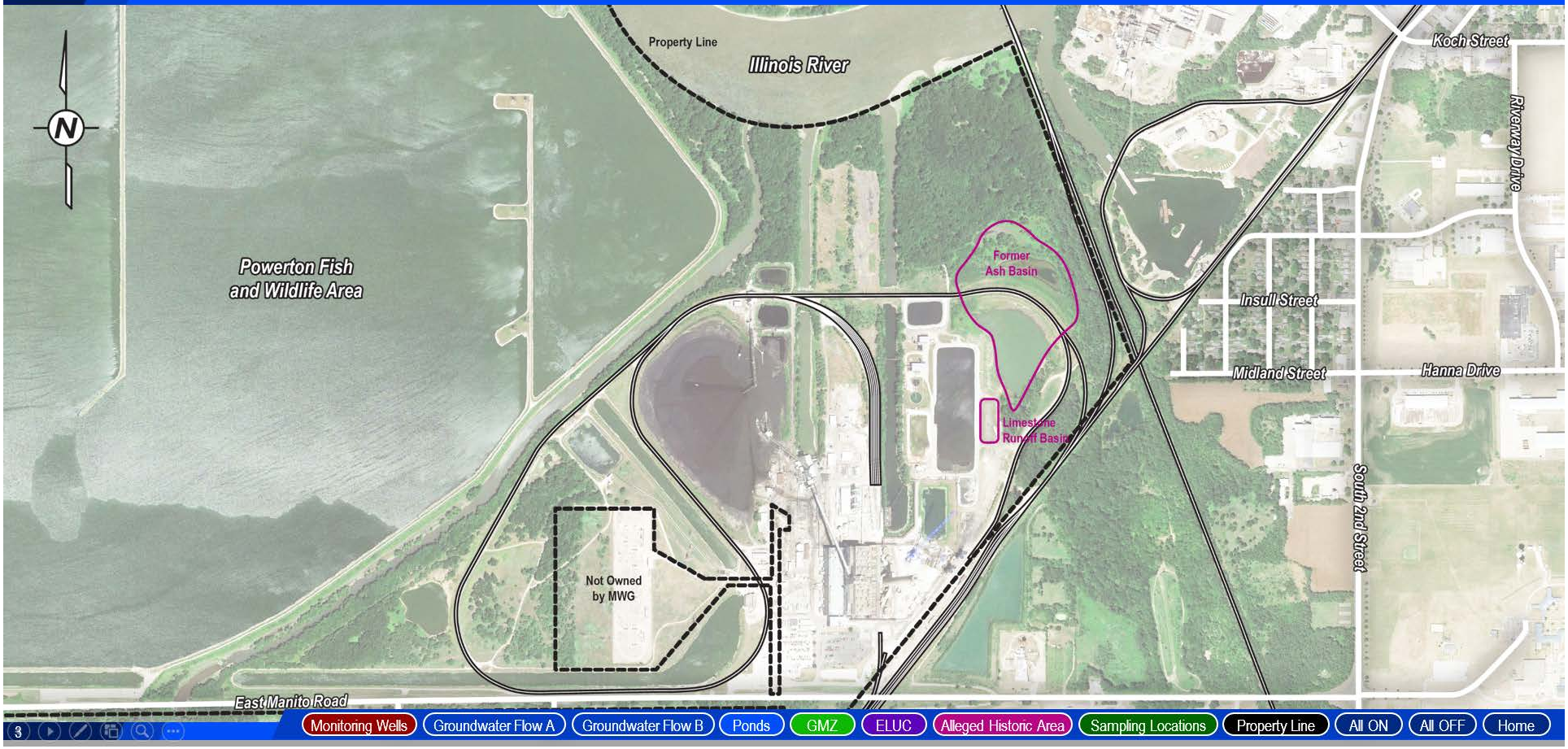
Powerton Station – Pekin, Illinois



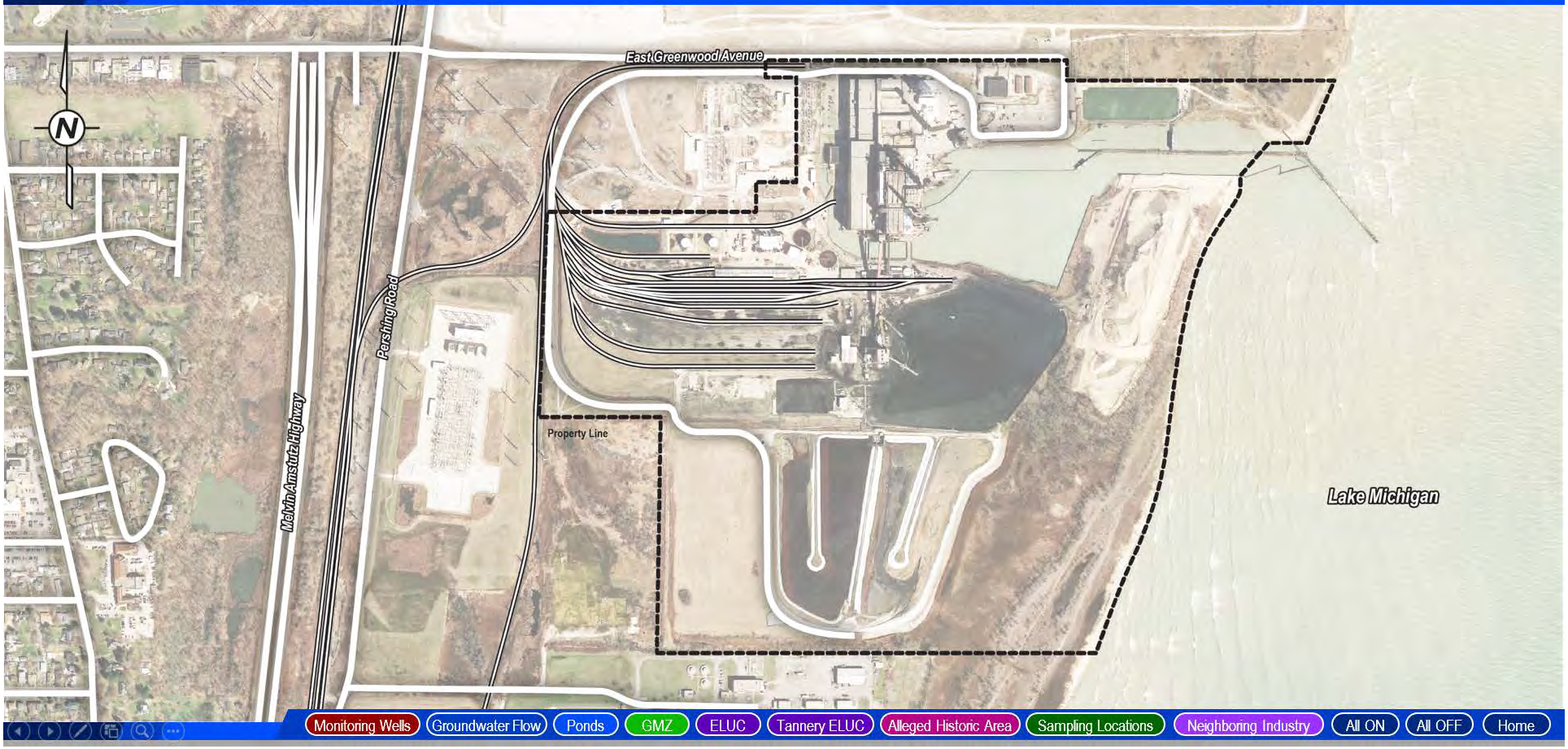
Powerton Station – Pekin, Illinois



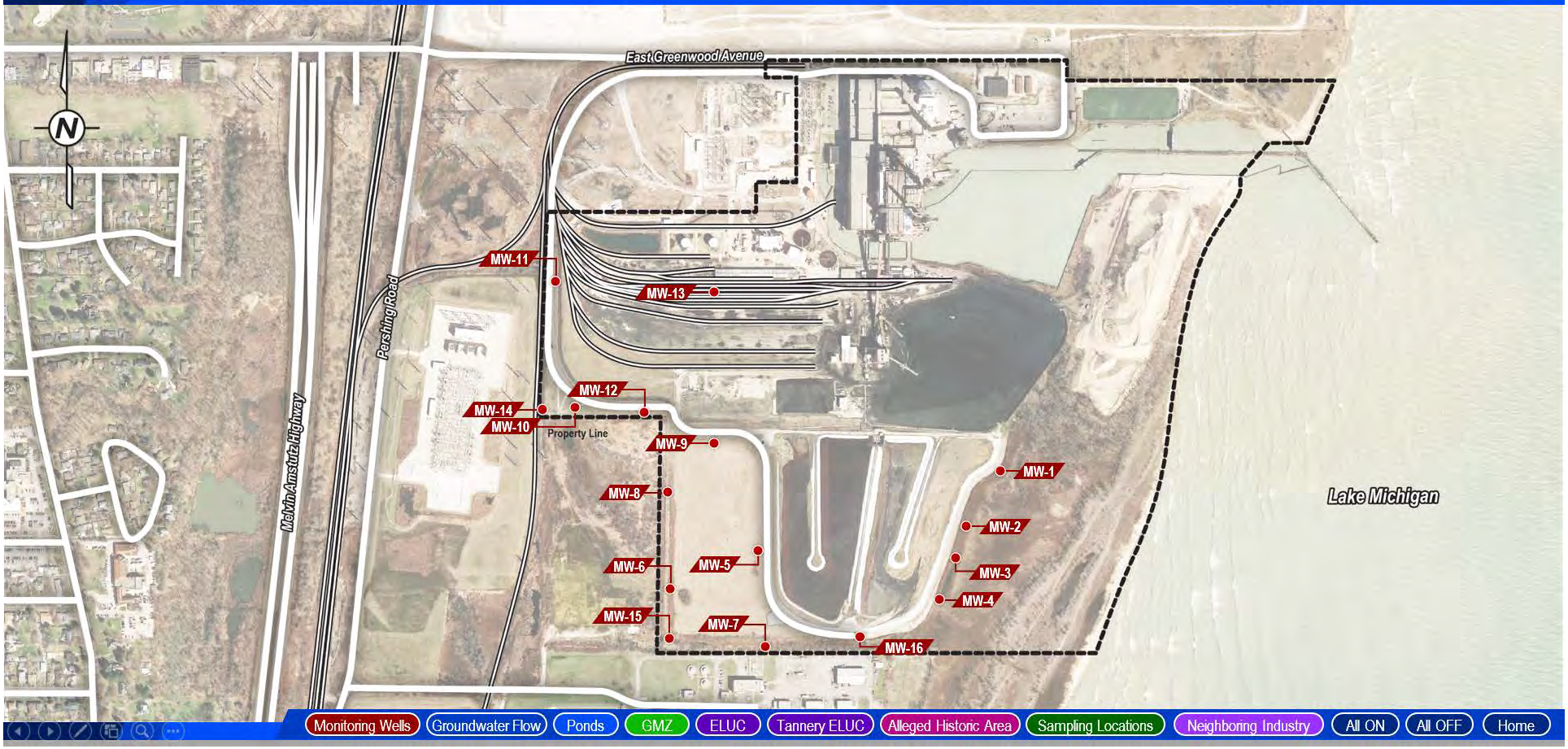
Powerton Station – Pekin, Illinois



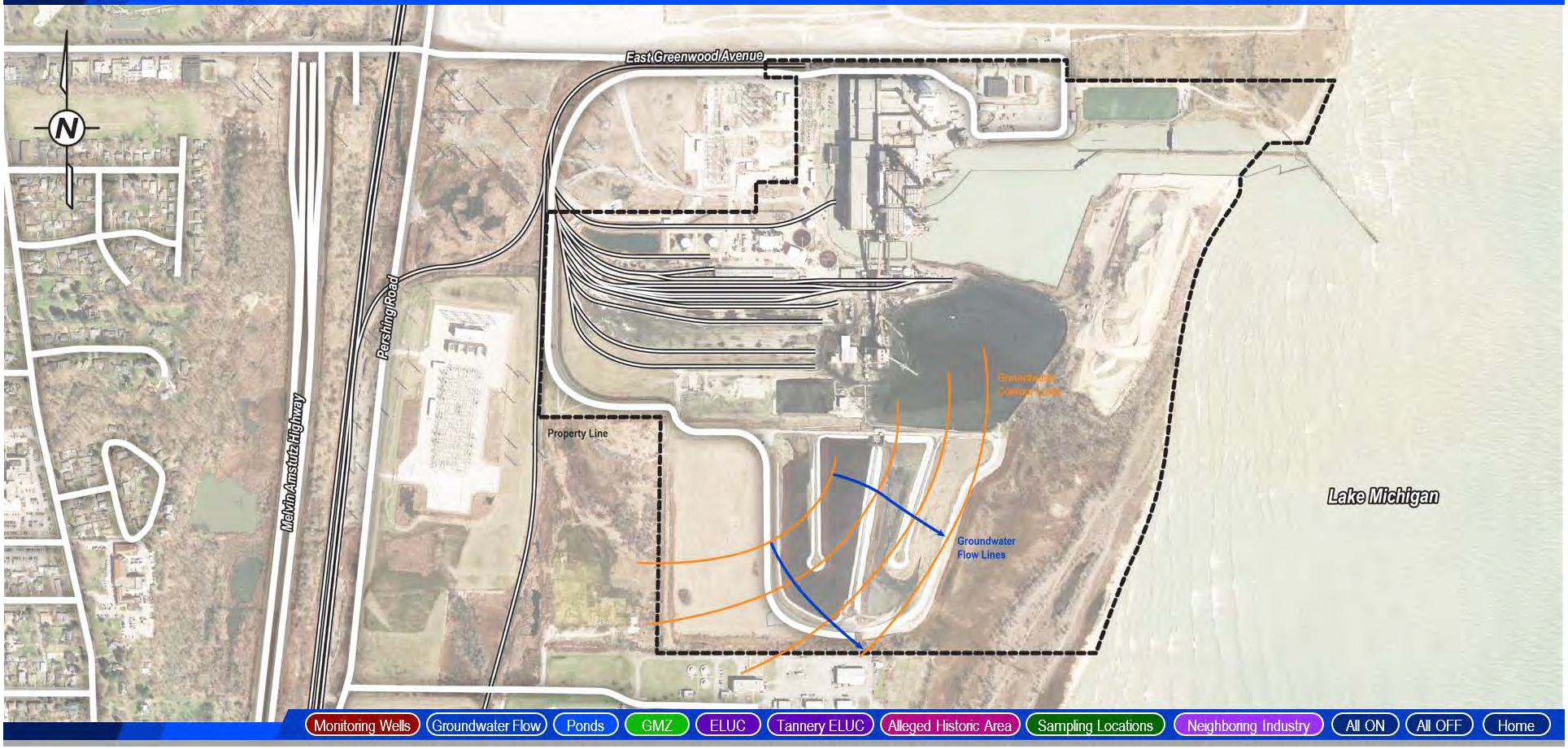
Waukegan Station – Waukegan, Illinois



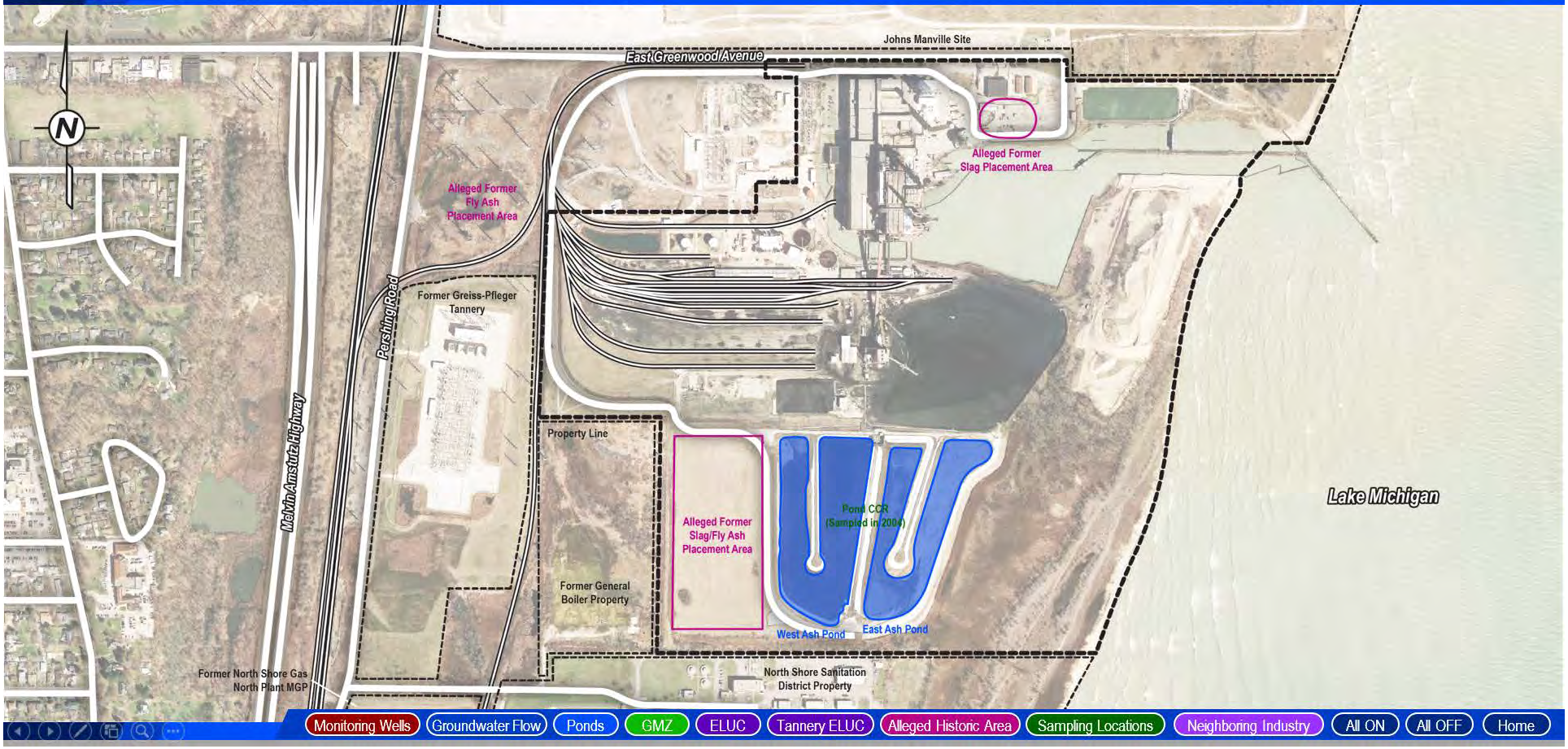
Waukegan Station – Waukegan, Illinois



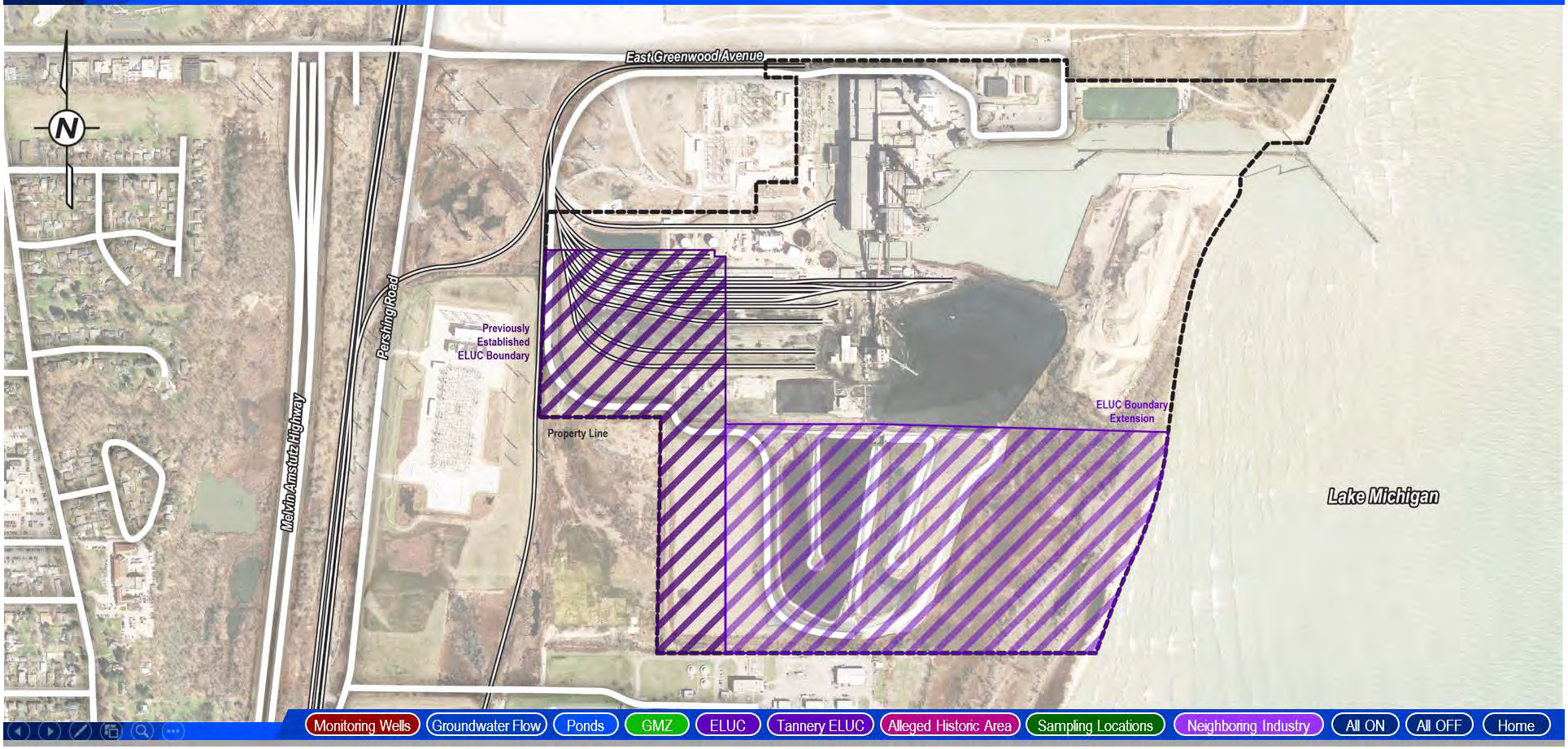
Waukegan Station – Waukegan, Illinois



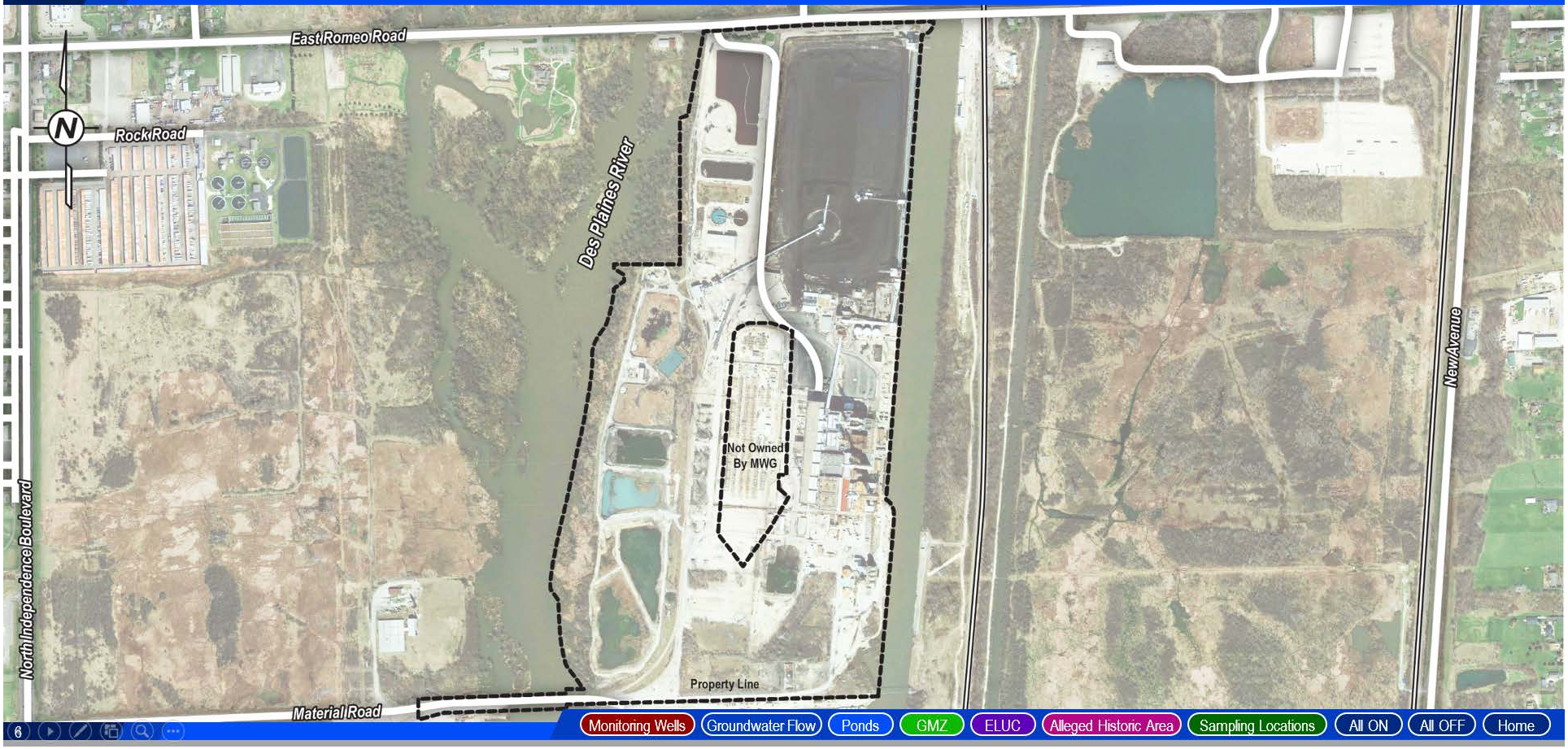
Waukegan Station – Waukegan, Illinois



Waukegan Station – Waukegan, Illinois



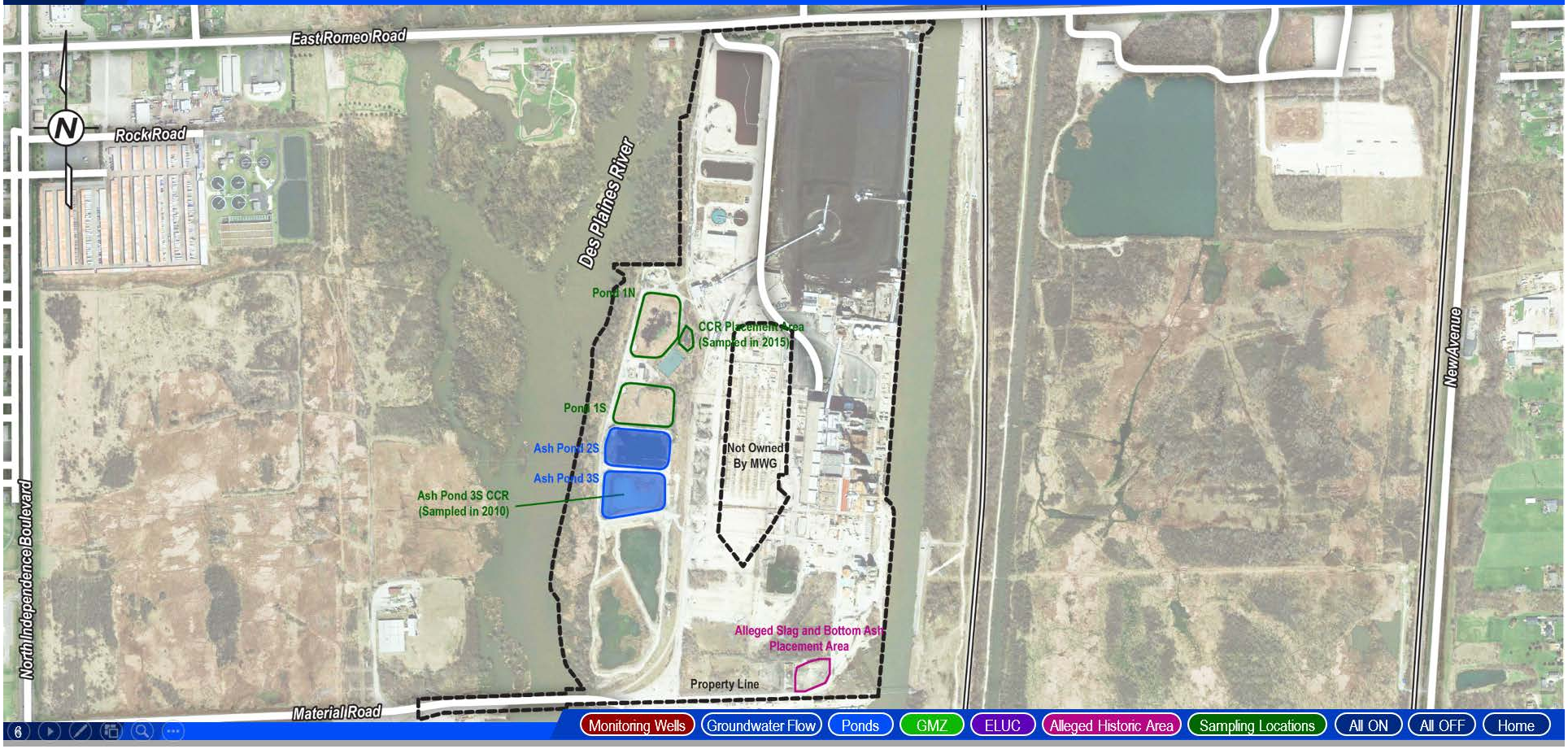
Will County Station – Romeoville, Illinois



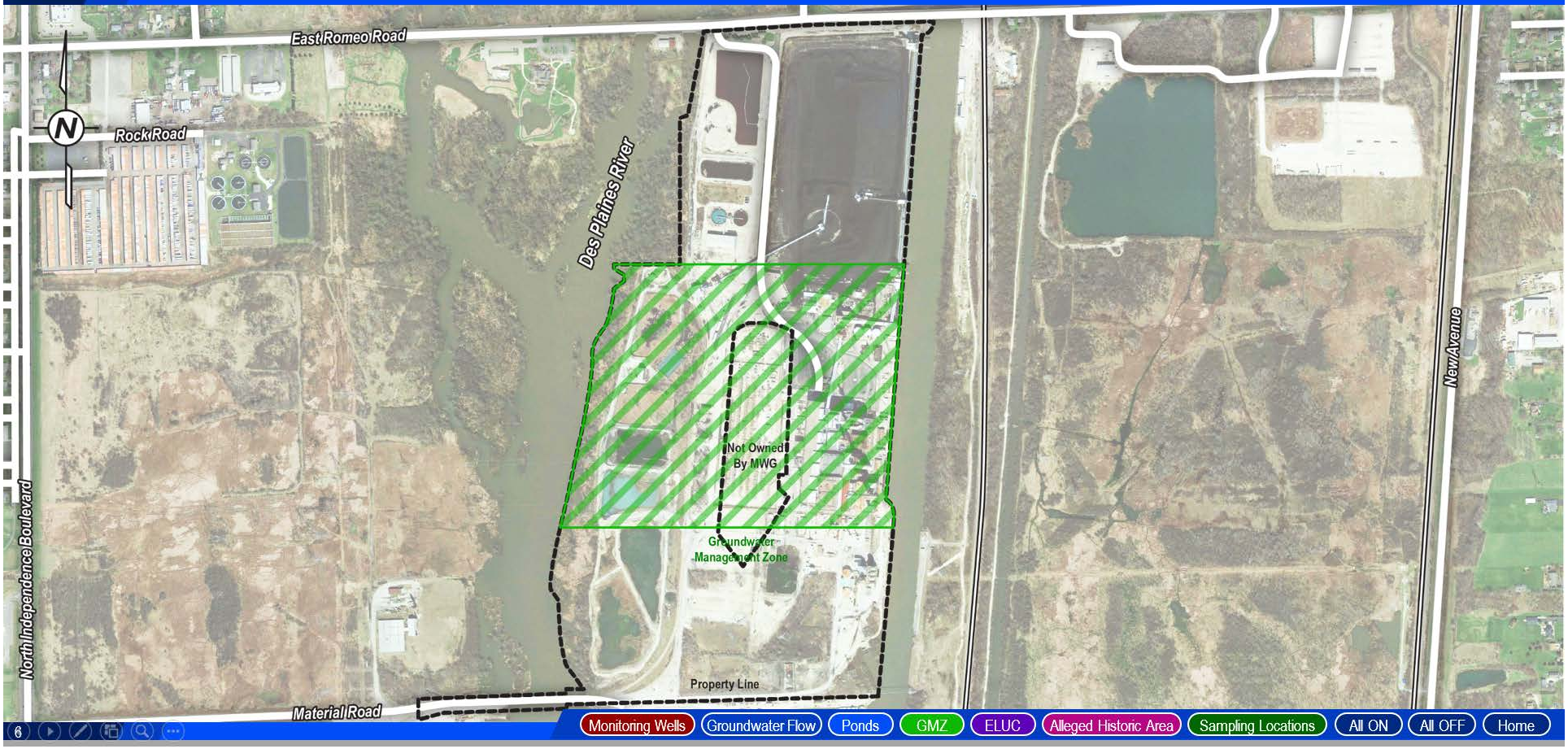
Will County Station – Romeoville, Illinois

Will County Station – Romeoville, Illinois

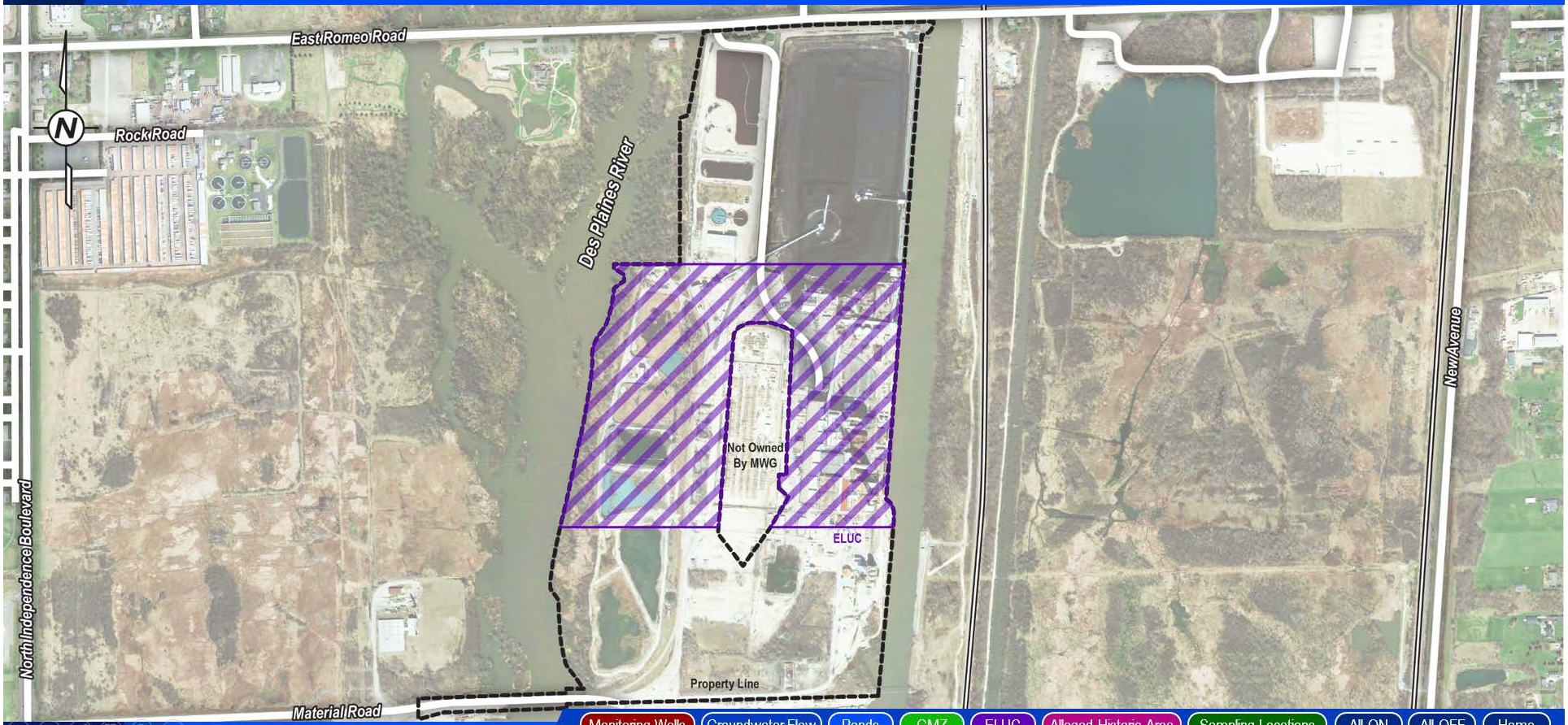
Will County Station – Romeoville, Illinois



Will County Station – Romeoville, Illinois



Will County Station – Romeoville, Illinois



Joliet #29 Timeline of Events

1964 – 1965

Joliet #29 Station constructed and begins operations

1978

Joliet #29 ponds 1, 2, and 3 constructed with Poz-O-Pac liner

1999

MWG begins operations at all Stations

2001

Maria Race begins work at MWG

2002 – 2005

MWG begins review of ash ponds at its Stations

- Locates historic drawings
- Conducts internal planning
- Retains consultants (NRT and KPRG)
- Site visits and reviews

Dec 21, 2005

NRT prepares evaluation and ranking of ash ponds with a timeframe to reline ponds

Oct 13, 2005

KPRG report of geotechnical analysis to assess soils around ponds

Summer 2005

MWG completes “pond characterizations”

Jul 25, 2005

MWG samples coal ash at Joliet #29; Finds coal ash qualifies as CCB

1960s | 1970s | 1980s | 1990s | 2000 | 2001 | 2002 | 2003 | 2004 | 2005

Joliet #29 Timeline of Events

Jan 2006
MWG begins process of relining ponds, including budgeting for capital for work

Oct 2006
MGW receives refined prioritizations and estimation of costs for relining ash ponds

Nov 2006
Second refinement to impoundment liner upgrade priority and liner system options and costs

Jun 21, 2007
MWG applies for construction permit to reline Ponds 1 and 2

Jul 20, 2007
IEPA grants MWG application for construction permit to reline Ponds 1 and 2

2008
MWG conducts RFP process for relining

May 2008
Joliet #29 Pond 2 relined with HDPE

Oct 2008
Joliet #29 Pond 1 relined with HDPE

Dec 2008
TVA coal ash spill

Apr – May 2009
IEPA asks Illinois coal fired power plants to install groundwater monitoring around ash ponds; *MWG agrees (others do not)*

Jul 2009
MWG responds to IEPA request for groundwater monitoring, includes a preliminary hydrogeological assessment of the stations and a potable water survey and assessment; no risk to potable wells

2006 | 2007 | 2008 | 2009

Joliet #29 Timeline of Events

Jan 2010

USEPA announces intent to propose regulation of CCR as a hazardous waste

Jan 27, 2010

MWG asks NRT to hold work on liner permit applications because of new USEPA regulations

May 2010

USEPA issues Questionnaire for Steam Electric Power Generating Effluent ("ICR") to coal fired power plants in U.S.

May 27, 2010

MWG grants Caterpillar ELUC on western side of Joliet #29

Jun 21, 2010

USEPA formally proposes regulations under RCRA related to CCR management

Aug 2010

MWG receives consultant proposals for hydrogeologic assessment

Sep 2010

MWG submits Hydrogeologic Assessment Plans to IEPA

Sep 24, 2010

IEPA approves MGW Hydrogeologic Assessment Plans

Oct 2010

MWG responds to USEPA ICR request

Dec 2010

MWG conducts first groundwater sampling at all stations

2010

Joliet #29 Timeline of Events

Feb 2011
MGW submits Hydrogeologic Assessment Reports to IEPA

MWG conducts quarterly groundwater sampling of all Stations

Jun 2012
IEPA issues violation notices (VN) to MWG

Jul 27, 2012 – Aug 2012
MWG submits VN responses to IEPA

Oct 3, 2012
Sierra Club files this lawsuit

Oct 24, 2012
IEPA accepts all four Compliance Commitment Agreements to resolve VNs

Nov 2012
MWG begins process of completing all tasks in the four CCAs

Dec 7, 2012
MWG files for bankruptcy

2011 | 2012

Joliet #29 Timeline of Events

Jan 11, 2013
MWG applies for construction permit to reline Pond 3

Feb 25, 2013
IEPA grants MWG permit to construct liner in Pond 3

Aug 8, 2013 Link
IEPA approves Joliet #29 GMZ

Oct 3, 2013
Joliet #29 Ash Pond 3 relined with HDPE

Oct 2013
Maria Race certifies CCAs completed

Mar 2014
NRG purchases MWG out of bankruptcy

Dec 19, 2014
USEPA issues final Coal Combustion Residual Rule

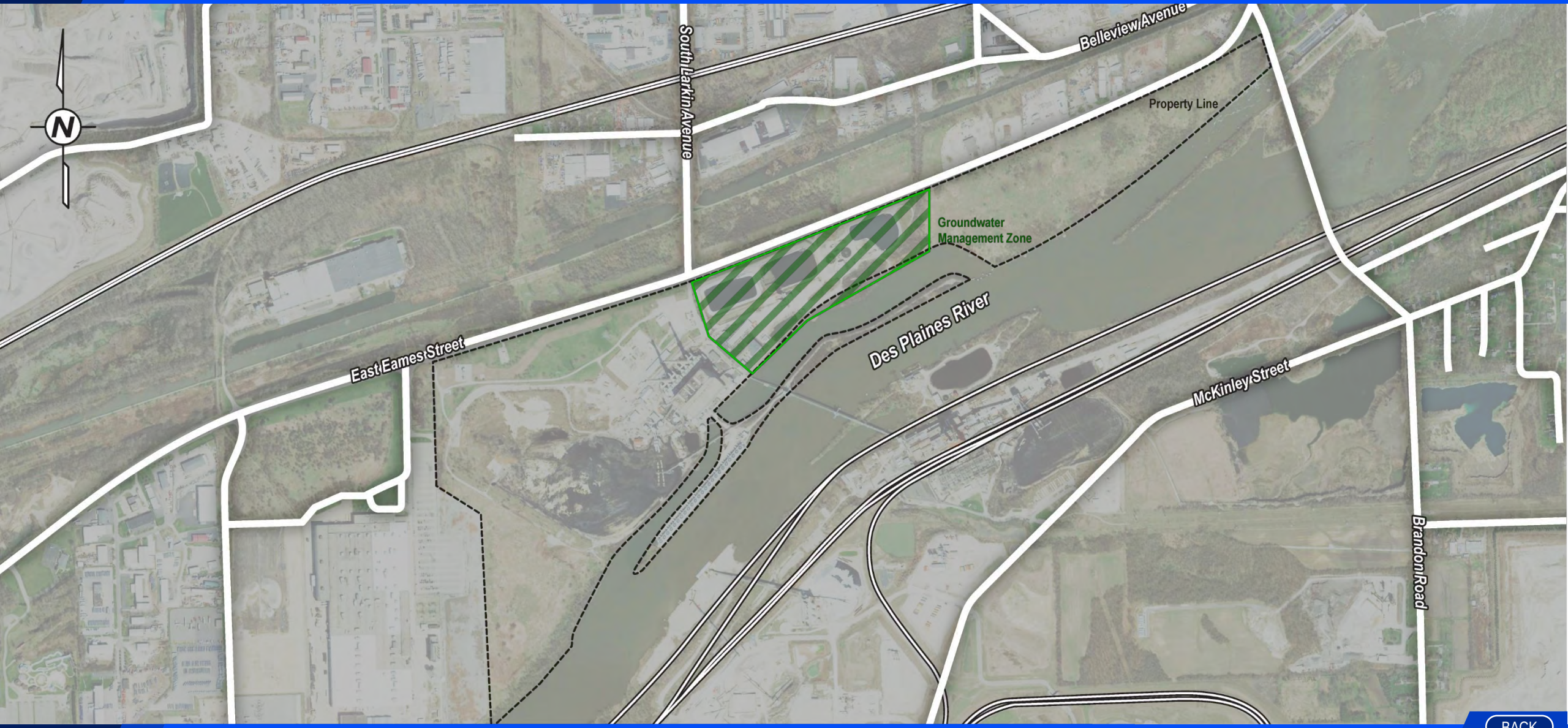
Apr 17, 2015
Coal Combustion Residual Rule published in Federal Register

Jul 2015
MWG samples influent water; Pond 3 not an ash pond

Oct 2, 2015
Ash Pond 1 at Joliet #29 emptied of all coal ash

2013 | 2014 | 2015

Joliet #29 – GMZ



BACK

Joliet #29 Timeline of Events

Jan 2016

MWG conducts first Annual Inspection of ash ponds at Stations pursuant to Federal CCR rules

Mar 2016

Joliet #29 ceases burning coal

May 2016

Joliet #29 begins generating power with natural gas

Oct 2016

MWG completes various reports pursuant to Federal CCR rules

Apr 2017

MWG completes Emergency Action Plans for the Stations pursuant to Federal CCR rules

Summer 2018

Joliet #29 will empty Ash Pond 2

2016 | 2017 | 2018

Powerton Timeline of Events

Late 1920s

Powerton Station begins operations with Units 1-4

1971

Unit 5 at Powerton brought on line

1973

Unit 6 at Powerton brought on line

Early 1970s

Powerton Units 1-4 are retired

1978

Powerton Ash Surge Basin and Metal Cleaning Basin constructed with Poz-O-Pac liner

1920s | 1930s | 1940s | 1950s | 1960s | 1970s | 1980s | 1990s

Powerton Timeline of Events

1999

MWG begins operating all Stations

2001

Maria Race begins work at MWG

2002 – 2005

MWG begins review of ash ponds at its Stations

- Locates historic drawings
- Conducts internal planning
- Retains consultants (NRT and KPRG)
- Site visits and reviews

May 2004

MWG samples coal ash from basin area and bottom ash from Powerton Station; Sample results show past historic materials and bottom ash qualifies as CCB

1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004

Powerton Timeline of Events

Summer 2005

MWG completes “pond characterizations”

Oct 13, 2005

KPRG report of geotechnical analysis to assess soils around ponds

Dec 21, 2005

NRT prepares final evaluation and ranking of ash ponds with a timeframe to reline ponds

Jan 2006

MWG begins process of relining ponds, including budgeting for capital for work

Oct 2006

MGW receives refined prioritizations and estimation of costs for relining ash ponds

Nov 2006

Second refinement to impoundment liner upgrade priority and liner system options and costs

Mar 2007

MWG samples bottom ash from ponds; Samples show not leaching metals

2005 | 2006 | 2007

Powerton Timeline of Events

2008
MWG conducts RFP process for relining

Jul 2008
Former ash basin at Powerton assessed to install rail spur

Dec 2008
TVA coal ash spill

Apr – May 2009
IEPA asks Illinois coal fired power plants to install groundwater monitoring around ash ponds; *MWG agrees (others do not)*

Jul 2009
MWG responds to IEPA request for groundwater monitoring, includes a preliminary hydrogeological assessment of the stations and a potable water survey and assessment; no risk to potable wells

Jul 27, 2009
MWG applies for construction permit to reline Metal Cleaning Basin

Nov 30, 2009
IEPA grants MWG permit to reline Metal Cleaning Basin

Dec 18, 2009
MWG submits application to reline Secondary Basin

2008 | 2009

Powerton Timeline of Events

Jan 2010
USEPA announces intent to propose regulation of CCR as a hazardous waste

Jan 27, 2010
MWG asks NRT to hold work on liner permit applications because of new USEPA regulations

Apr 2, 2010
IEPA grants construction permit to reline Secondary Basin

May 2010
USEPA issues Questionnaire for Steam Electric Power Generating Effluent ("ICR") to coal fired power plants in U.S.

Jun 21, 2010
USEPA formally proposes regulations under RCRA related to CCR management

Jun 30, 2010
MWG applies for construction permit to reline Bypass Basin

Aug 2010
MWG receives consultant proposals for hydrogeologic assessment

Sep 2010
MWG submits Hydrogeologic Assessment Plans to IEPA

Sep 15, 2010
IEPA grants MWG construction permit to reline Bypass Basin

Sep 24, 2010
IEPA approves MGW Hydrogeologic Assessment Plans

Oct 2010
MWG responds to USEPA ICR request

Dec 2010
MWG conducts first groundwater sampling at all stations

Dec 2010
MWG relines Bypass Basin at Powerton with HDPE

2010

Powerton Timeline of Events

Feb 2011
MGW submits Hydrogeologic Assessment Reports to IEPA

Mar 2011
MWG relines Metal Cleaning Basin at Powerton with HDPE

MWG conducts quarterly groundwater sampling of all Stations

Jun 2012
IEPA issues violation notices (VN) to MWG

Jul 27, 2012 – Aug 2012
MWG submits VN responses to IEPA

Oct 3, 2012
Sierra Club files this lawsuit

Oct 24, 2012
IEPA accepts all four Compliance Commitment Agreements to resolve VNs

Nov 2012
MWG begins process of completing all tasks in the four CCAs

Dec 7, 2012
MWG files for bankruptcy

2011 | 2012

Powerton Timeline of Events

Jan 7, 2013
MWG applies for construction permit to reline Ash Surge Basin

Feb 25, 2013
IEPA grants MWG permit to reline Ash Surge Basin

Jun 15, 2013
Powerton Secondary Basin relined with HDPE

Aug 26, 2013 Link
IEPA approves Powerton ELUC

Oct 3, 2013 Link
IEPA approves Powerton GMZ

Oct 10, 2013 Link
Powerton Ash Surge Basin relined with HDPE

Oct 2013
Maria Race certifies CCAs completed

Mar 2014
NRG purchases MWG out of bankruptcy

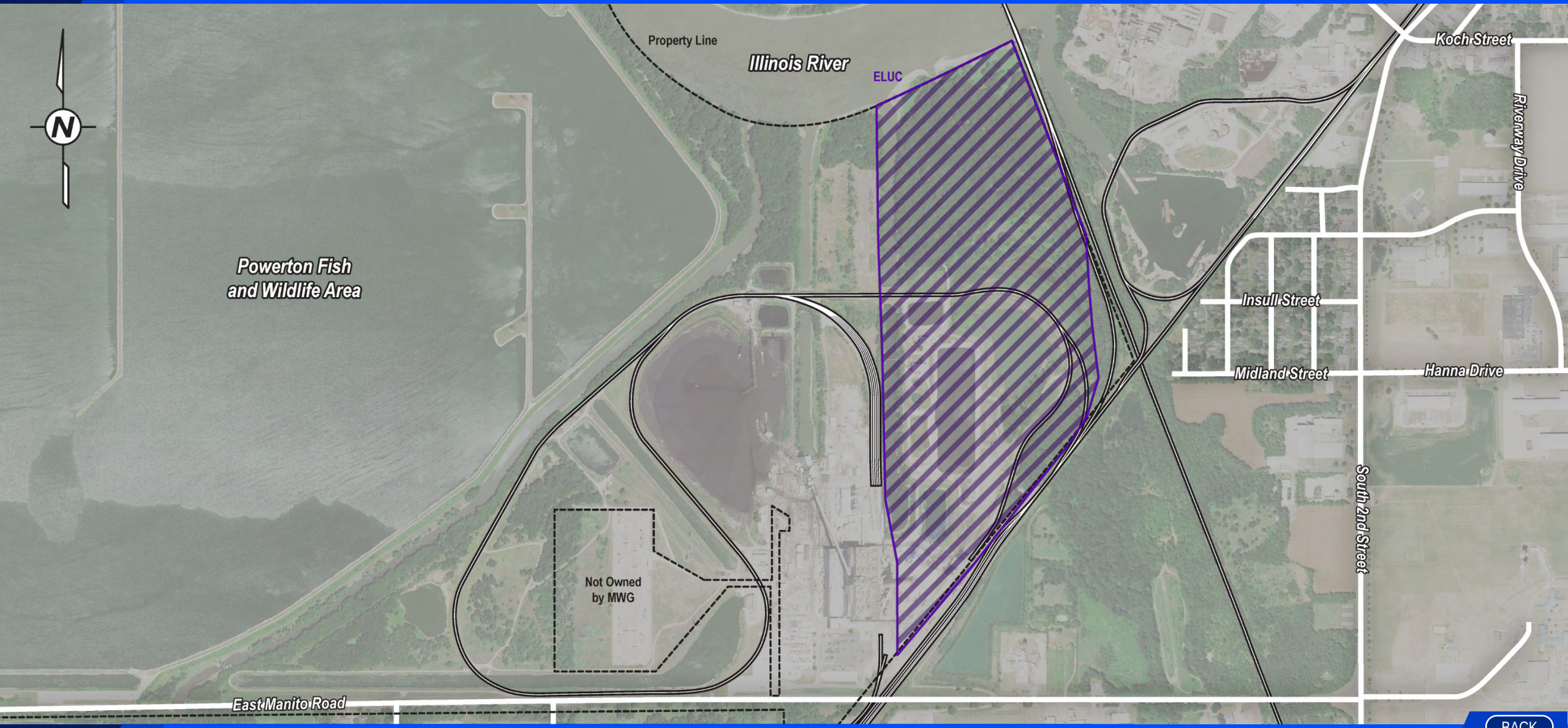
Dec 19, 2014
USEPA issues final Coal Combustion Residual Rule

Apr 17, 2015
Coal Combustion Residual Rule published in Federal Register

Dec 2015
MWG posts, pursuant to Federal CCR rules, notification of closure of Former Ash Basin at Powerton

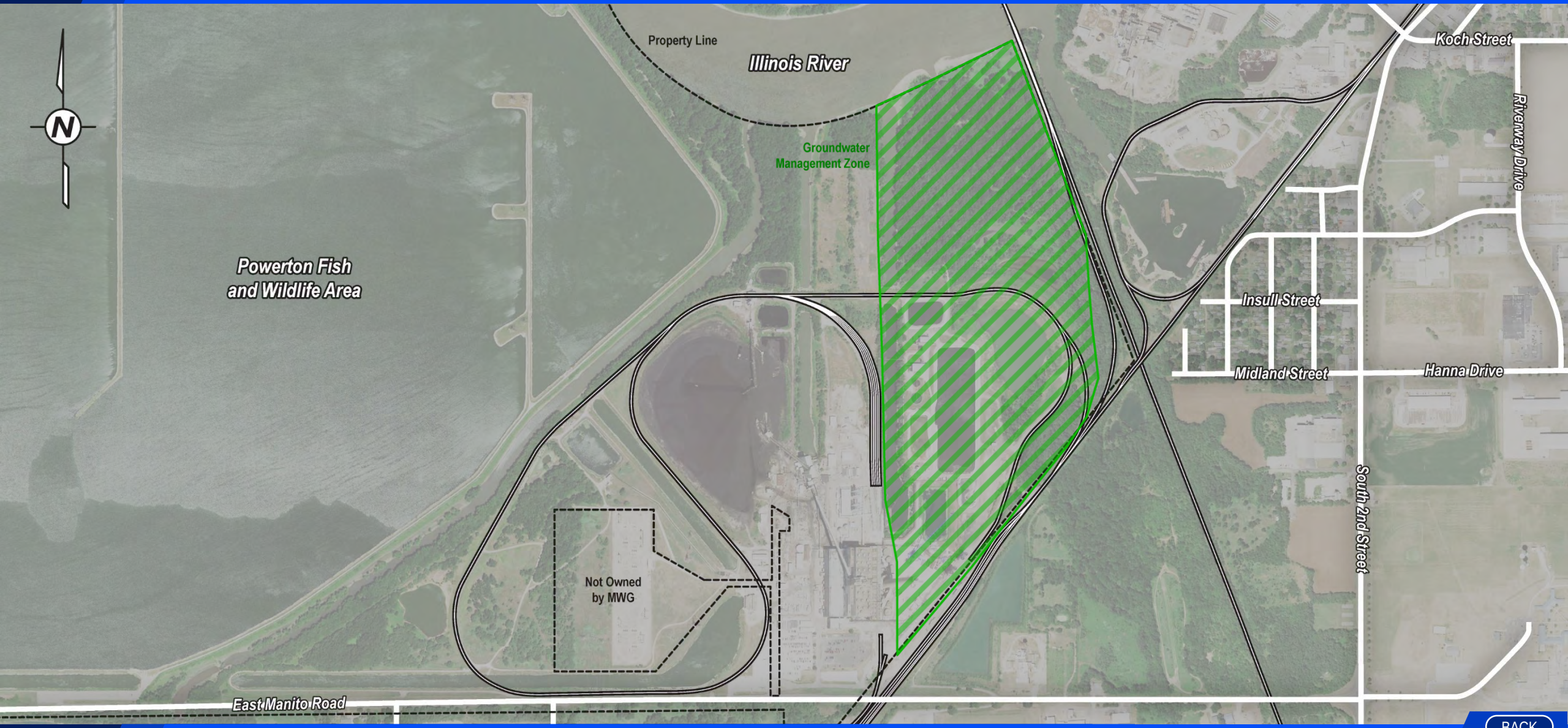
2013 | 2014 | 2015

Powerton Station – ELUC



BACK

Powerton Station – GMZ



BACK

Panoramic View of Entire Basin From Northeast Corner, Facing Southwest

BACK

Powerton Timeline of Events

Jan 2016

MWG conducts first Annual Inspection of ash ponds at stations pursuant to Federal CCR rules

Oct 2016

MWG completes various reports pursuant to Federal CCR rules

Apr 2017

MWG completes Emergency Action Plans for the stations pursuant to Federal CCR rules

2016 | 2017

Waukegan Timeline of Events

1923

Waukegan Station first constructed and begins operations – Units 1 through 5 in service

1952

Unit 6 at Waukegan brought on line

1958

Unit 7 at Waukegan brought on line

1962

Unit 8 at Waukegan brought on line

1920s | 1950s | 1960s | 1970s | 1980s

Waukegan Timeline of Events

Late 1970s

Units 1 through 5 at Waukegan are retired

1977

Waukegan East and West ponds constructed with Hypalon liner

1992 – 2002

- Extensive investigation of former Greiss-Pfleger Tannery site, including U.S. Radiator Co. (a.k.a., General Boiler)
- Finds elevated levels of arsenic, chromium, magnesium, and lead

1970s | 1980s | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997

Waukegan Timeline of Events

1999

MWG begins operating all Stations

2001

Maria Race begins work at MWG

2002 – 2005

MWG begins review of ash ponds at its Stations

- Locates historic drawings
- Conducts internal planning
- Retains consultants (NRT and KPRG)
- Site visits and reviews

1998 | 1999 | 2000 | 2001 | 2002

Waukegan Timeline of Events

Jun 23, 2003 Link

ELUC established on the western side of MWG's property due to environmental impacts from neighboring sites

Sep 2003

MWG relines Waukegan East Ash pond with HDPE liner

Nov 2004

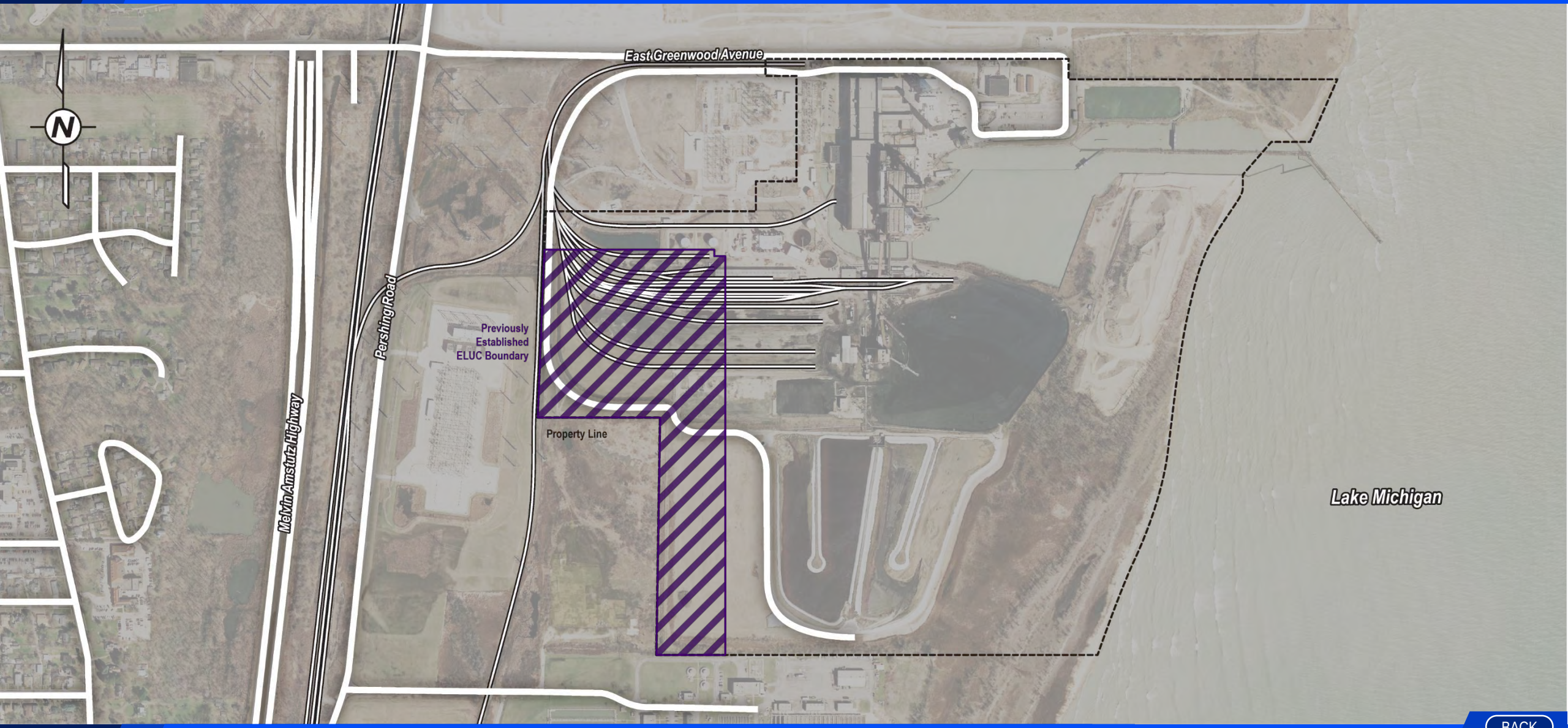
MGW relines Waukegan West Ash Pond with HDPE liner

Jul 22, 2004

Sampling of Waukegan bottom ash. Sample results show ash qualifies for CCB

2003 | 2004

Waukegan Station – Tannery/U.S. Radiator ELUC



BACK

Waukegan Timeline of Events

Summer 2005

MWG completes “pond characterizations”

Aug 31, 2005

KPRG inspects Waukegan liners; finds the liners are in good condition and installed correctly

Oct 13, 2005

KPRG report of geotechnical analysis to assess soils around ponds

Dec 21, 2005

NRT prepares evaluation and ranking of ash ponds with a timeframe to reline ponds

Jan 2006

MWG begins process of relining ponds, including budgeting for capital for work

Oct 2006

MGW receives refined prioritizations and estimation of costs for relining ash ponds

Nov 2006

Second refinement to impoundment liner upgrade priority and liner system options and costs

2005 | 2006

Waukegan Timeline of Events

Dec 2007
Waukegan Unit 6 retired

Jul 2009
MWG responds to IEPA request for groundwater monitoring, includes a preliminary hydrogeological assessment of the stations and a potable water survey and assessment; no risk to potable wells

Apr – May 2009
IEPA asks Illinois coal fired power plants to install groundwater monitoring around ash ponds; *MWG agrees (others do not)*

2008
MWG conducts RFP process for relining

Dec 2008
TVA coal ash spill

2007 | 2008 | 2009

Waukegan Timeline of Events

Jan 2010

USEPA announces intent to propose regulation of CCR as a hazardous waste

Jan 27, 2010

MWG asks NRT to hold work on liner permit applications because of new USEPA regulations

May 2010

USEPA issues Questionnaire for Steam Electric Power Generating Effluent ("ICR") to coal fired power plants in U.S.

Jun 21, 2010

USEPA formally proposes regulations under RCRA related to CCR management

Aug 2010

MWG receives consultant proposals for hydrogeologic assessment

Sep 2010

MWG submits Hydrogeologic Assessment Plans to IEPA

Sep 24, 2010

IEPA approves MGW Hydrogeologic Assessment Plans

Oct 2010

MWG responds to USEPA ICR request

Dec 2010

MWG conducts groundwater sampling at all stations

2010

Waukegan Timeline of Events

Feb 2011
MGW submits Hydrogeologic Assessment Reports to IEPA

MWG conducts quarterly groundwater sampling of all Stations

Jun 2012
IEPA issues violation notices (VN) to MWG

Jul 27, 2012 – Aug 2012
MWG submits VN responses to IEPA

Oct 3, 2012
Sierra Club files this lawsuit

Oct 24, 2012
IEPA accepts all four Compliance Commitment Agreements to resolve VNs

Nov 2012
MWG begins process of completing all tasks in the four CCAs

Dec 7, 2012
MWG files for bankruptcy

2011 | 2012

Waukegan Timeline of Events

Jul 21, 2013
IEPA testifies at Waukegan NPDES Permit hearing: “Currently, we don’t believe the active ash ponds are the source of contamination”

Aug 26, 2013
IEPA approves Waukegan ELUC

Oct 2013
Maria Race certifies CCAs completed

Mar 2014
NRG purchases MWG out of bankruptcy

Dec 19, 2014
USEPA issues final Coal Combustion Residual Rule

Jan 6, 2015
Lynn Dunaway e-mails Jamie Rabins and Bill Buscher, IEPA re Waukegan, stating “…the active ponds…are not the likely source of contaminants in groundwater.”

Apr 17, 2015
Coal Combustion Residual Rule published in Federal Register

2013 | 2014 | 2015

Waukegan Timeline of Events

Jan 2016

MWG conducts first Annual Inspection of ash ponds at stations pursuant to Federal CCR rules

Oct 2016

MWG completes various reports pursuant to Federal CCR rules

Apr 2017

MWG completes Emergency Action Plans for the stations pursuant to Federal CCR rules

2016 | 2017

Will County Timeline of Events

1955
Will County begins operations with Units 1 and 2

1957
Unit 3 at Will County starts up

1963
Unit 4 at Will County brought on line

1977
Will County ponds 1N, 1S, 2S, and 3S constructed with Poz-O-Pac liner

1999
MWG begins operating all Stations

1950s | 1960s | 1970s | 1980s | 1990s

Will County Timeline of Events

2001

Maria Race begins work at MWG

2002 – 2005

MWG begins review of ash ponds at its Stations

- Locates historic drawings
- Conducts internal planning
- Retains consultants (NRT and KPRG)
- Site visits and reviews

Summer 2005

MWG completes “pond characterizations”

Oct 13, 2005

KPRG report of geotechnical analysis to assess soils around ponds

Dec 21, 2005

NRT prepares evaluation and ranking of ash ponds to MWG with a timeframe to reline ponds

Jan 2006

MWG begins process of relining ponds, including budgeting for capital for work

Oct 2006

MGW receives refined prioritizations and estimation of costs for relining ash ponds

Nov 2006

Second refinement to impoundment liner upgrade priority and liner system options and costs

2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006

Will County Timeline of Events

Jul 22, 2008
MWG applies for construction permit to reline Ponds 2S and 3S

Sep 25, 2008
IEPA grants MWG permit to reline Ponds 2S and 3S

2008
MWG conducts RFP process for relining

Dec 2008
TVA coal ash spill

Apr – May 2009
IEPA asks Illinois coal fired power plants to install groundwater monitoring around ash ponds; *MWG agrees (others do not)*

Jul 2009
MWG responds to IEPA request for groundwater monitoring, includes a preliminary hydrogeological assessment of the stations and a potable water survey and assessment; no risk to potable wells

Sep 2009
Will County Pond 3S relined with HDPE

2007 | 2008 | 2009

Will County Timeline of Events

Jan 2010

USEPA intent to propose regulation of CCR as a hazardous waste

Jan 27, 2010

MWG asks NRT to hold work on liner permit applications because of new USEPA regulations

May 2010

USEPA issues Questionnaire for Steam Electric Power Generating Effluent ("ICR") to coal fired power plants in U.S.

Jun 21, 2010

USEPA formally proposes regulations under RCRA related to CCR management

Aug 2010

MWG receives consultant proposals for hydrogeologic assessment

Sep 2010

MWG voluntarily submits Hydrogeologic Assessment Plans to IEPA

Sep 24, 2010

IEPA approves MGW Hydrogeologic Assessment Plans

Oct 2010

MWG responds to USEPA ICR request

Dec 2010

MWG conducts first groundwater sampling at all stations

Dec 2010

- Will County Units 1-2 deactivated
- MWG samples Will County Pond 3S bottom ash; samples show not leaching

2010

Will County Timeline of Events

Feb 2011
MGW submits Hydrogeologic Assessment Reports to IEPA

MWG conducts quarterly groundwater sampling of all Stations

Jun 2012
IEPA issues violation notices (VN) to MWG

Jul 27, 2012 – Aug 2012
MWG submits VN responses to IEPA

Oct 3, 2012
Sierra Club files this lawsuit

Oct 24, 2012
IEPA accepts all four Compliance Commitment Agreements to resolve VNs

Nov 2012
MWG begins process of completing all tasks in the four CCAs

Dec 7, 2012
MWG files for bankruptcy

2011 | 2012

Will County Timeline of Events

Feb 25, 2013
IEPA grants MWG permit to reline Pond 2S

Jul 2, 2013 Link
IEPA approves Will County GMZ

Sep 10, 2013 Link
Will County Ash Pond 2 relined with HDPE

Sep 26, 2013 Link
IEPA approves Will County ELUC

Oct 2013
Maria Race certifies CCAs completed

Mar 2014
NRG purchases MWG out of bankruptcy

Dec 19, 2014
USEPA issues final Coal Combustion Residual Rule

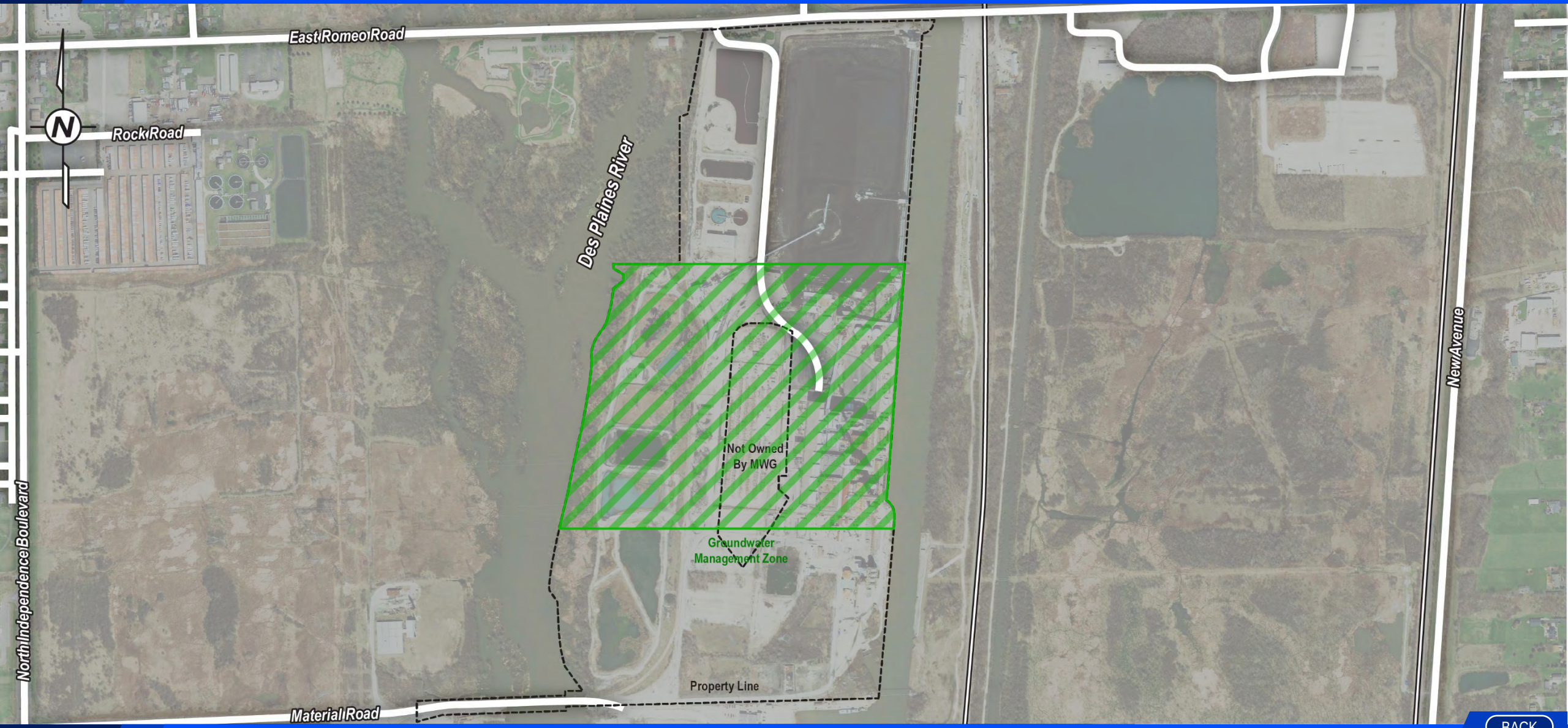
Apr 17, 2015
Coal Combustion Residual Rule published in Federal Register

Apr 15, 2015
Will County Unit 3 deactivated

Jun-Aug, 2015
Will County sampling of ash area: Sample results show ash qualifies for CCB

2013 | 2014 | 2015

Will County Station – GMZ

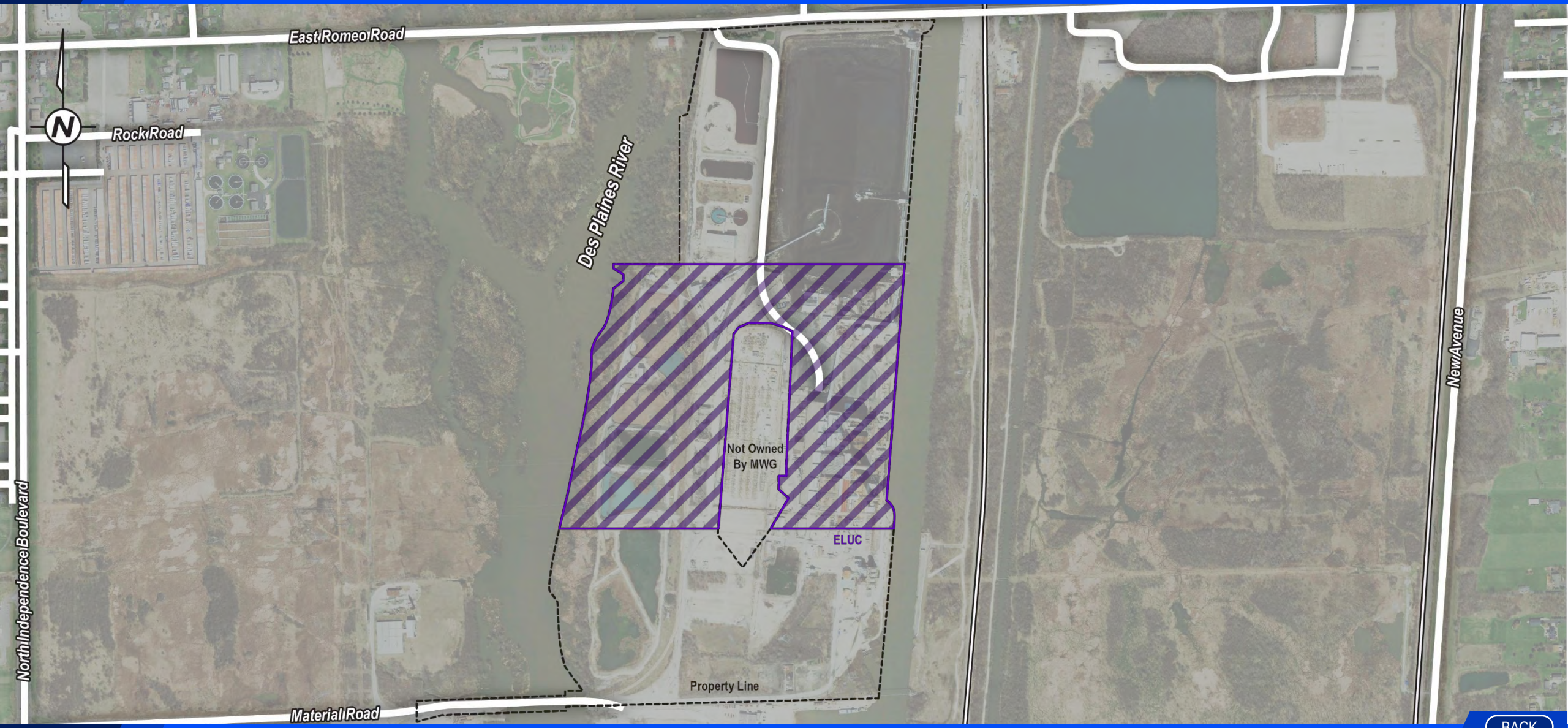


BACK

View of Basin From North Slope Facing Southeast

BACK

Will County Station – ELUC



BACK

Will County Timeline of Events

Jan 2016

MWG conducts first Annual Inspection of ash ponds at stations pursuant to Federal CCR rules

Oct 2016

MWG completes various reports pursuant to Federal CCR rules

Apr 2017

MWG completes Emergency Action Plans for the stations pursuant to Federal CCR rules

2016 | 2017

Table 1. Groundwater Analytical Results - Midwest Generation LLC, Joliet Station #29, Joliet, IL

Sample: MW-01	Date	12/6/2010		3/23/2011		6/14/2011		9/14/2011		12/7/2011		3/15/2012		6/19/2012		9/19/2012		12/20/2012		3/5/2013		5/23/2013		7/22/2013		10/15/2013		2/21/2014		5/1/2014		8/18/2014		10/23/2014		2/10/2015		5/27/2015		8/4/2015		10/28/2015		2/9/2016		5/11/2016		8/30/2016		11/3/2016		2/6/2017		4/25/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	0.0043	NS	NS	0.0030	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.0030	ND	NS	NS	NS	NS	0.0030	0.0052	NS	NS	NS	NS	NS	NS	NS	NS	0.0030	ND	0.0030	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.0030	ND	0.0030	ND	0.0030	ND	NS	NS	NS	NS
Arsenic	0.010	0.0010	0.0011	NS	NS	0.0010	0.0014	NS	NS	NS	NS	NS	NS	NS	NS	0.0010	0.0012	NS	NS	NS	NS	0.0010	0.0011	NS	NS	NS	NS	NS	NS	NS	NS	0.0010	ND	0.0010	ND^	NS	NS	NS	NS	NS	NS	NS	NS	0.0010	ND ^	0.0010	ND	0.0010	ND	NS	NS	NS	NS
Barium	2.0	0.0025	0.13	NS	NS	0.0025	0.14	NS	NS	NS	NS	NS	NS	NS	NS	0.0025	0.16	NS	NS	NS	NS	0.0025	0.15	NS	NS	NS	NS	NS	NS	NS	NS	0.0025	0.15	0.0025	0.17	NS	NS	NS	NS	NS	NS	NS	NS	0.0025	0.15	0.0025	0.071	0.0025	0.12	NS	NS	NS	NS
Beryllium	0.004	0.0010	ND	NS	NS	0.0010	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.0010	ND	NS	NS	NS	NS	0.0010	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.0010	ND	0.0010	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.0010	ND	0.0010	ND ^	0.0010	ND	NS	NS	NS	NS
Boron	2.0	0.050	0.31	NS	NS	0.050	0.29	NS	NS	NS	NS	NS	NS	NS	NS	0.050	0.38^	NS	NS	NS	NS	0.050	0.33	NS	NS	NS	NS	NS	NS	NS	NS	0.050	0.22	0.050	0.21	NS	NS	NS	NS	NS	NS	NS	NS	0.050	0.18	0.050	0.24	0.050	0.25	NS	NS	NS	NS
Cadmium	0.005	0.00050	ND	NS	NS	0.00050	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.00050	ND	NS	NS	NS	NS	0.00050	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.00050	ND	0.00050	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.00050	ND	0.00050	ND	0.00050	ND	NS	NS	NS	NS
Chloride	200.0	10	140	NS	NS	10	170	NS	NS	NS	NS	NS	NS	NS	NS	10	120	NS	NS	NS	NS	10	210	NS	NS	NS	NS	NS	NS	NS	NS	10	120	10	79	NS	NS	NS	NS	NS	NS	NS	NS	50	400	10	93	10	73	NS	NS	NS	NS
Chromium	0.1	0.0050	ND	NS	NS	0.0050	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.0050	ND	NS	NS	NS	NS	0.0050	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.0050	ND	0.0050	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.0050	ND	0.0050	ND	0.0050	ND	NS	NS	NS	NS
Cobalt	1.0	0.0010	ND	NS	NS	0.0010	0.0010	NS	NS	NS	NS	NS	NS	NS	NS	0.0010	ND	NS	NS	NS	NS	0.0010	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.0010	ND	0.0010	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.0010	ND	0.0010	ND	0.0010	ND	NS	NS	NS	NS
Copper	0.65	0.0020	0.0032	NS	NS	0.0020	0.0025	NS	NS	NS	NS	NS	NS	NS	NS	0.0020	0.0021	NS	NS	NS	NS	0.0020	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.0020	ND	0.0020	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.0020	ND	0.0020	ND	0.0020	ND	NS	NS	NS	NS
Cyanide	0.2	0.010	ND	NS	NS	0.010	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.010	ND	NS	NS	NS	NS	0.010	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.010	ND	0.010	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.010	ND	0.010	ND	0.010	ND	NS	NS	NS	NS
Fluoride	4.0	0.10	0.45	NS	NS	0.10	0.43	NS	NS	NS	NS	NS	NS	NS	NS	0.10	0.59	NS	NS	NS	NS	0.10	0.42	NS	NS	NS	NS	NS	NS	NS	NS	0.10	0.47	0.10	0.39	NS	NS	NS	NS	NS	NS	NS	NS	0.10	0.42	0.10	0.37	0.10	0.35	NS	NS	NS	NS
Iron	5.0	0.10	ND	NS	NS	0.10	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.10	ND	NS	NS	NS	NS	0.10	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.10	ND	0.10	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.10	ND ^	0.10	ND	0.10	ND	NS	NS	NS	NS
Lead	0.0075	0.00050	ND	NS	NS	0.00050	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.00050	ND	NS	NS	NS	NS	0.00050	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.00050	ND	0.00050	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.00050	ND	0.00050	ND	0.00050	ND	NS	NS	NS	NS
Manganese	0.15	0.0025	ND	NS	NS	0.0025	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.0025	ND	NS	NS	NS	NS	0.0025	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.0025	0.012	0.0025	0.015	NS	NS	NS	NS	NS	NS	NS	NS	0.0025	0.0065	0.0025	0.0032	NS	NS	NS	NS	NS	NS
Mercury	0.002	0.00020	ND	NS	NS	0.00020	ND^	NS	NS	NS	NS	NS	NS	NS	NS	0.00020	ND	NS	NS	NS	NS	0.00020	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.00020	ND	0.00020	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.00020	ND	0.00020	ND	0.00020	ND	NS	NS	NS	NS
Nickel	0.1	0.0020	0.0034	NS	NS	0.0020	0.0029	NS	NS	NS	NS	NS	NS	NS	NS	0.0020	0.0029	NS	NS	NS	NS	0.0020	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.0020	0.0024	0.0020	0.0020	NS	NS	NS	NS	NS	NS	NS	NS	0.0020	0.0041	0.0020	0.0022	0.0020	0.0022	NS	NS	NS	NS
Nitrogen/Nitrate	10.0	0.10	1.9	NS	NS	0.10	2.9	NS	NS	NS	NS	NS	NS	NS	NS	0.10	4.2	NS	NS	NS	NS	0.10	3.7	NS	NS	NS	NS	NS	NS	NS	NS	0.10	0.44	0.10	0.71	NS	NS	NS	NS	NS	NS	NS	NS	0.10	1.2	0.10	1.9	0.10	1.0	NS	NS	NS	NS
Nitrogen/Nitrate, Nitrite	NA	0.20	1.9	NS	NS	0.20	2.9	NS	NS	NS	NS	NS	NS	NS	NS	0.50	4.2	NS	NS	NS	NS	0.50	3.7	NS	NS	NS	NS	NS	NS	NS	NS	0.10	0.44	0.10	0.71	NS	NS	NS	NS	NS	NS	NS	NS	0.10	1.2	0.10	1.9	0.10	1.0	NS	NS	NS	NS
Nitrogen/Nitrite	NA	0.020	ND	NS	NS	0.020	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.020	ND	NS	NS	NS	NS	0.020	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.020	ND	0.020	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.020	ND	0.020	ND	0.020	ND	NS	NS	NS	NS
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NS	NS	NS	NS	0.0040	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.0040	ND	0.0040	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.0040	ND	0.0040	ND	0.0040	ND	NS	NS	NS	NS
Selenium	0.05	0.0025	ND	NS	NS	0.0025	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.0025	ND	NS	NS	NS	NS	0.0025	0.0040	NS	NS	NS	NS	NS	NS	NS	NS	0.0025	ND	0.0025	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.013	0.021 ^	0.0025	0.0072	0.0025	0.0037	NS	NS	NS	NS
Silver	0.05	0.00050	ND	NS	NS	0.00050	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.00050	ND	NS	NS	NS	NS	0.00050	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.00050	ND	0.00050	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.00050	ND	0.00050	ND	0.00050	ND	NS	NS	NS	NS
Sulfate	400.0	50	180	NS	NS	25	81	NS	NS	NS	NS	NS	NS	NS	NS	50	240	NS	NS	NS	NS	25	140	NS	NS	NS	NS	NS	NS	NS	NS	20	59	20	65	NS	NS	NS	NS	NS	NS	NS	NS	50	170	25	74	20	62	NS	NS	NS	NS
Thallium	0.002	0.0020	ND	NS	NS	0.0020	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.0020	ND	NS	NS	NS	NS	0.0020	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.0020	ND	0.0020	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.0020	ND	0.0020	ND	0.0020	ND	NS	NS	NS	NS
Total Dissolved Solids	1,200	10	590	NS	NS	10	670	NS	NS	NS	NS	NS	NS	NS	NS	10	630	NS	NS	NS	NS	10	700	NS	NS	NS	NS	NS	NS	NS	NS	10	550	10	570	NS	NS	NS	NS	NS	NS	NS	NS	10	1100	10	670	10	600	NS	NS	NS	NS
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NS	NS	NS	NS	0.0050	0.0081	NS	NS	NS	NS	NS	NS	NS	NS	0.0050	0.0066	0.0050	0.0068	NS	NS	NS	NS	NS	NS	NS	NS	0.0050	ND	0.0050	ND	0.0050	0.0071	NS	NS	NS	NS
Zinc	5.0	0.020	ND	NS	NS	0.020	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.020	ND	NS	NS	NS	NS	0.020	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.020	ND	0.020	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.020	ND	0.020	ND	0.020	ND	NS	NS	NS	NS
Benzene	0.005	NR	NR	NR	NR	NR	NR	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NS	NS	NS	NS	0.00050	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.0005	ND	0.0005	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.0005	ND	0.0005	ND	0.0005	ND	NS	NS	NS	NS
BETX	11.705	NR	NR	NR	NR	NR	NR	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NS	NS	NS	NS	0.0025	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.002	ND	0.002	0.00056	NS	NS	NS	NS	NS	NS	NS	NS	0.002	0.0024	0.002	ND	0.002	0.00743	NS	NS	NS	NS
pH	6.5 - 9.0	NA	7.82	NS	NS	NA	7.25	NS	NS	NS	NS	NS	NS	NS	NS	NA	7.46	NS	NS	NS	NS	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NA	6.54	NA	7.08	NS	NS	NS	NS	NS	NS	NS	NS	NA	7.02	NA	6.50	NA	7.08	NS	NS	NS	NS
Temperature	NA	NA	7.52	NA	NS	NA	13.92	NS	NS	NS	NS	NS	NS	NS	NS	NA	22.01	NS	NS	NS	NS	NA	NM	NS	NS	NS	NS	NS	NS	NS	NS	NA	14.06	NA	12.25	NS	NS	NS	NS	NS	NS	NS	NS	NA	14.78	NA	17.29	NA	14.78	NS	NS	NS	NS
Conductivity	NA	NA	1.04	NA	NS	NA	1.28	NS	NS	NS	NS	NS	NS	NS	NS	NA	0.97	NS	NS	NS	NS	NA	NM	NS	NS	NS	NS	NS	NS	NS	NS	NA	0.857	NA	0.90	NS	NS	NS	NS	NS	NS	NS	NS	NA	1.83	NA	1.05	NA	0.91	NS	NS	NS	NS
Dissolved Oxygen	NA	NA	NM	NA	NS	NA	4.19	NS	NS	NS	NS	NS	NS	NS	NS	NA	7.68	NS	NS	NS	NS	NA	NM	NS	NS	NS	NS	NS	NS	NS	NS	NA	3.38	NA	1.36	NS	NS	NS	NS	NS	NS	NS	NS	NA	2.64	NA	5.40	NA	3.90	NS	NS	NS	NS
ORP	NA	NA	NM	NA	NS	NA	210.6	NS	NS	NS	NS	NS	NS	NS	NS	NA	155.0	NS	NS	NS	NS	NA	NM	NS	NS	NS	NS	NS	NS	NS	NS	NA	150.8	NA	66.2	NS	NS	NS	NS	NS	NS	NS	NS	NA	26.4	NA	-62.3	NA	-25.4	NS	NS	NS	NS

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits

Temperature	°C	degrees Celcius
Conductivity	ms/cm	milliseimens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 1. Groundwater Analytical Results - Midwest Generation LLC, Joliet Station #29, Joliet, IL

Sample: MW-02	Date	12/6/2010		3/23/2011		6/14/2011		9/14/2011		12/7/2011		3/15/2012		6/19/2012		9/19/2012		12/20/2012		3/5/2013		5/23/2013		7/22/2013		10/15/2013		2/21/2014		5/2/2014		8/18/2014		10/23/2014		2/10/2015		5/27/2015		8/4/2015		10/28/2015		2/9/2016		5/11/2016		8/31/2016		11/1/2016		2/8/2017		4/25/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	0.012	NS	NS	0.0030	0.0042	0.0030	0.0032	0.0030	ND	0.0030	ND	NS	NS	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	ND	NS	NS	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	NS	NS	0.0010	0.0015	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Barium	2.0	0.0025	0.082	NS	NS	0.0025	0.081	0.0025	0.10	0.0025	0.12	0.0025	0.12	NS	NS	0.0025	0.12	0.0025	0.13	0.0025	0.12	0.0025	0.11	0.0025	0.12	0.0025	0.093	0.0025	0.13	0.0025	0.11	0.0025	0.087	0.0025	0.089	0.0025	0.088	0.0025	0.092	0.0025	0.090	0.0025	0.084	0.0025	0.098	0.0025	0.11	0.0025	0.087	0.0025	0.071	0.0025	0.085	0.0025	0.10
Beryllium	0.004	0.0010	ND	NS	NS	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	NS	NS	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND^	0.0010	ND	0.0010	ND^	0.0010	ND
Boron	2.0	0.050	0.31	NS	NS	0.050	0.35	0.050	0.44	0.050	0.74	0.050	0.22	NS	NS	0.050	0.35^	0.050	0.42	0.050	0.41	0.050	0.35	0.050	0.29	0.050	0.41	0.050	0.34	0.050	0.25	0.050	0.22	0.050	0.22	0.050	0.23	0.050	0.35	0.050	0.25	0.050	0.21	0.050	0.20	0.050	0.18	0.050	0.18	0.050	0.18	0.050	0.17	0.050	0.15
Cadmium	0.005	0.00050	ND	NS	NS	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	NS	NS	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00057	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	10	140	NS	NS	10	230	10	140	10	140	2.0	280	NS	NS	10	120	10	150	10	260	10	250	10	310	10	180	10	240	50	350	10	280	10	240	10	190	50	410	10	290	10	130	10	180	10	340	10	170	10	97	10	140	10	330
Chromium	0.1	0.0050	ND	NS	NS	0.025	ND	0.0050	ND	0.0050	ND	0.0050	ND	NS	NS	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	NS	NS	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	NS	NS	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0017	0.0010	0.010	0.0010	0.0027	0.0010	0.0017	0.0010	0.0011	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	0.0032	NS	NS	0.010	ND	0.0020	ND	0.0020	ND	0.0020	ND	NS	NS	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0059	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	0.010	ND	NS	NS	0.010	ND	0.010	ND	0.010	ND	0.010	ND	NS	NS	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.62	NS	NS	0.10	0.58	0.10	0.54	0.10	0.51	0.10	0.53	NS	NS	0.10	0.64	0.10	0.59	0.10	0.59^	0.10	0.54	0.10	0.51	0.10	0.56	0.10	0.46	0.10	0.40	0.10	0.49	0.10	0.45	0.10	0.40	0.10	0.40	0.10	0.41	0.10	0.39	0.10	0.38	0.10	0.40	0.10	0.44	0.10	0.40	0.10	0.35	0.10	0.32
Iron	5.0	0.10	ND	NS	NS	0.50	ND	0.10	ND	0.10	ND	0.10	ND	NS	NS	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND^	0.10	ND	0.10	ND	0.10	ND
Lead	0.0075	0.00050	ND	NS	NS	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	NS	NS	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	ND	NS	NS	0.013	ND	0.0025	0.0025	0.0025	ND	0.0025	ND^	NS	NS	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0036	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0031	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Mercury	0.002	0.00020	ND	NS	NS	0.00020	ND^	0.00020	ND	0.00020	ND	0.00020	ND	NS	NS	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND *	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	0.0033	NS	NS	0.010	ND	0.0020	0.0027	0.0020	0.0023	0.0020	ND	NS	NS	0.0020	0.0024	0.0020	0.0029	0.0020	0.0027	0.0020	0.0022	0.0020	0.0061	0.0020	0.0039	0.0020	ND	0.0020	0.0023	0.0020	0.0049	0.0020	0.0069	0.0020	0.0053	0.0020	0.013	0.0020	0.0073	0.0020	0.0031	0.0020	0.0039	0.0020	0.0071	0.0020	0.0062	0.0020	0.0044	0.0020	0.0030	0.0020	0.0050
Nitrogen/Nitrate	10.0	0.10	3.1	NS	NS	0.10	1.8	0.10	2.2	0.10	2.9	0.10	6.4	NS	NS	0.10	4.7	0.10	7.5	0.10	4.4	0.10	3.7	0.10	1.8	0.10	1.6	0.10	3.4	0.10	2.9	0.10	1.1	0.10	1.3	0.10	1.3	0.10	0.43	0.10	1.2	0.10	1.0	0.10	1.5	0.10	1.4	0.10	1.5	0.10	0.79	0.10	1.0	0.10	1.8
Nitrogen/Nitrate, Nitrite	NA	0.20	3.1	NS	NS	0.10	1.8	0.20	2.2	0.10	2.9	0.50	6.4	NS	NS	0.50	4.7	0.50	7.5	0.50	4.4	0.50	3.7	0.10	1.8	0.10	1.6	0.50	3.4	0.50	2.9	0.10	1.1	0.10	1.3	0.10	1.3	0.10	0.43	0.10	1.2	0.10	1.0	0.10	1.5	0.10	1.4	0.10	1.5	0.10	0.79	0.10	1.0	0.10	1.8
Nitrogen/Nitrite	NA	0.020	ND	NS	NS	0.020	ND	0.020	ND	0.020	ND	0.020	ND	NS	NS	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NS	NS	NR	NR	0.004	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	0.0025	ND	NS	NS	0.013	ND	0.0025	0.0038	0.0025	0.0055	0.0025	0.0048	NS	NS	0.0025	ND	0.0025	ND	0.0025	0.0034	0.0025	0.0027	0.0025	ND	0.0025	ND	0.0025	0.0077	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND F1	0.0025	ND ^	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Silver	0.05	0.00050	ND	NS	NS	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	NS	NS	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	50	190	NS	NS	25	67	25	110	50	150	50	110	NS	NS	50	190	50	140	50	130	25	150	50	140	25	130	25	61	25	68	25	85	25	92	20	67	25	100	25	85	20	60	20	88	25	100	25	62	10	41	20	50	25	140
Thallium	0.002	0.0020	ND	NS	NS	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	NS	NS	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	600	NS	NS	10	720	10	690	10	750	10	800	NS	NS	10	580	10	720	10	840	10	860	10	980	10	660	10	830	10	1100	10	850	10	810	10	730	10	1200	10	890	10	610	10	750	10	960	10	700	10	570	10	630	10	890
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NS	NS	NR	NR	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	NS	NS	0.10	ND	0.020	ND	0.020	ND	0.020	ND	NS	NS	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NS	NS	NR	NR	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NS	NS	NR	NR	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.002	ND	0.002	ND	0.002	0.00076	0.002	0.00076	0.002	0.00076	0.002	ND	0.002	ND	0.002	ND	0.002	0.002	0.002	ND	0.002	0.0068	0.002	ND	0.002	ND
pH	6.5 - 9.0	NA	7.85	NS	NS	NA	7.30	NA	7.37	NA	7.37	NA	NM	NS	NS	NA	7.39	NA	7.39	NA	7.52	NA	7.44	NA	7.08	NA	7.20	NA	9.24	NA	7.22	NA	7.07	NA	7.31	NA	7.46	NA	6.83	NA	7.61	NA	7.05	NA	7.12	NA	7.13	NA	6.70	NA	7.26	NA	6.97	NA	7.15
Temperature	NA	NA	9.3	NA	NS	NA	15.57	NA	18.72	NA	13.04	NA	NM	NS	NS	NA	22.02	NA	14.4	NA	9.5	NA	12.82	NA	16.25	NA	15.37	NA	11.97	NA	11.55	NA	16.92	NA	14.3	NA	9.28	NA	14.63	NA	16.75	NA	15.07	NA	11.10	NA	13.52	NA	18.75	NA	17.85	NA	11.92	NA	14.74
Conductivity	NA	NA	1.1	NA	NS	NA	1.30	NA	0.98	NA	0.90	NA	NM	NS	NS	NA	0.90	NA	0.91	NA	1.02	NA	1.008	NA	1.785	NA	1.02	NA	1.00	NA	1.35	NA	1.299	NA	1.30	NA	0.94	NA	1.75	NA	1.38	NA	1.10	NA	0.92	NA	1.38	NA	1.11	NA	0.84	NA	0.78	NA	1.22
Dissolved Oxygen	NA	NA	NM	NA	NS	NA	6.45	NA	5.21	NA	5.91	NA	NM	NS	NS	NA	6.02	NA	9.91	NA	7.79	NA	7.65	NA	14.83	NA	5.81	NA	6.17	NA	8.48	NA	5.14	NA	4.07	NA	5.58	NA	1.96	NA	3.66	NA	4.47	NA	5.38	NA	4.25	NA	4.84	NA	3.87	NA	4.90	NA	6.60
ORP	NA	NA	NM	NA	NS	NA	227.3	NA	-36.0	NA	81.0	NA	NM	NS	NS	NA	158.0	NA	41.0	NA	58.1	NA	178.0	NA	138.5	NA	-40.3	NA	-66.1	NA	152.4	NA	115.8	NA	57.1	NA	73.2	NA	33.9	NA	-51.3	NA	110.4	NA	80.7	NA	38.4	NA	47.8	NA	91.2	NA	15.3	NA	10.1

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits

Temperature °C
Conductivity ms/cm
Dissolved Oxygen mg/L
Oxygen Reduction Potential (ORP) mV

degrees Celcius
millisiemens/centimeters
milligrams/liter
millivolts

Table 1. Groundwater Analytical Results - Midwest Generation LLC, Joliet Station #29, Joliet, IL

Sample: MW-03	Date	12/7/2010		3/23/2011		6/14/2011		9/14/2011		12/7/2011		3/15/2012		6/19/2012		9/19/2012		12/20/2012		3/5/2013		5/22/2013		7/22/2013		10/15/2013		2/17/2014		5/2/2014		8/18/2014		10/23/2014		2/10/2015		5/27/2015		8/4/2015		10/28/2015		2/10/2016		5/10/2016		8/31/2016		11/2/2016		2/6/2017		4/26/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	0.0040	0.0030	ND	0.0030	ND	0.0030	0.0065	0.0030	0.016	0.0030	0.013	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	ND	0.0010	0.0011	0.0050	ND	0.0010	0.0012	0.0010	0.0016	0.0010	0.0014	0.0010	0.0011	0.0010	0.0012	0.0010	0.0012	0.0010	0.0014	0.0010	0.0013	0.0010	0.0012	0.0010	0.0014	0.0010	0.0015	0.0010	ND	0.0010	0.0015	0.0010	ND^	0.0010	0.0015	0.0010	0.0015	0.0010	ND	0.0010	0.0015	0.0010	ND ^	0.0010	0.0011	0.0010	0.0013	0.0010	0.0013	0.0010	0.0011
Barium	2.0	0.0025	0.089	0.0025	0.085	0.0025	0.092	0.0025	0.081	0.0025	0.084	0.0025	0.081	0.0025	0.088	0.0025	0.097	0.0025	0.09	0.0025	0.089	0.0025	0.13	0.0025	0.10	0.0025	0.099	0.0025	0.098	0.0025	0.10	0.0025	0.075	0.0025	0.089	0.0025	0.093	0.0025	0.094	0.0025	0.092	0.0025	0.10	0.0025	0.098	0.0025	0.093	0.0025	0.093	0.0025	0.089	0.0025	0.096	0.0025	0.096
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND ^	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	0.050	0.24	0.050	0.36	0.050	0.46	0.050	0.24	0.050	0.23	0.050	0.26	0.050	0.31	0.050	0.22^	0.050	0.28	0.050	0.29	0.050	0.74 V	0.050	0.67	0.050	0.27	0.050	0.45	0.050	0.27	0.050	0.37	0.050	0.45	0.050	0.52	0.050	0.54	0.050	0.48	0.050	0.29	0.050	0.49	0.050	0.44	0.050	0.37	0.050	0.38	0.050	0.39	0.050	0.45
Cadmium	0.005	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	0.00074	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	10	260	10	240	10	300	50	160	10	260	2.0	250	10	260	10	330	10	290	10	260	50	380	10	210	10	250	10	200	10	300	10	220	10	180	10	160	10	220	10	230	10	230	10	200	10	240	10	240	10	170	10	140	10	210
Chromium	0.1	0.0050	ND	0.0050	ND	0.025	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	0.0013	0.0010	0.0013	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.010	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0021	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND ^
Cyanide	0.2	0.010	ND	0.010	ND*	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.43	0.10	0.40	0.10	0.41	0.10	0.31	0.10	0.40	0.10	0.39	0.10	0.43	0.10	0.43	0.10	0.38	0.10	0.42^	0.10	0.44	0.10	0.45	0.10	0.47	0.10	0.51	0.10	0.40	0.10	0.52	0.10	0.49	0.10	0.46	0.10	0.43	0.10	0.47	0.10	0.41	0.10	0.48	0.10	0.49	0.10	0.45	0.10	0.57	0.10	0.39	0.10	0.35
Iron	5.0	0.10	ND	0.10	ND	0.50	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.22	0.10	ND ^	0.10	ND	0.10	0.10
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.10	0.0025	0.048	0.013	ND	0.0025	0.0076	0.0025	0.0080	0.0025	0.0095^	0.0025	0.014	0.0025	0.011	0.0025	0.0076	0.0025	0.0068	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0040	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND^	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND *	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	0.011	0.0020	0.0065	0.010	ND	0.0020	0.0041	0.0020	0.0060	0.0020	0.0046	0.0020	0.0044	0.0020	0.0059	0.0020	0.0063	0.0020	0.0051	0.0020	0.0042	0.0020	0.0043	0.0020	0.0046	0.0020	0.0033	0.0020	0.0040	0.0020	0.0021	0.0020	0.0023	0.0020	0.0023	0.0020	0.0025	0.0020	ND	0.0020	0.0023	0.0020	0.0025	0.0020	ND	0.0020	0.0020	0.0020	ND	0.0020	0.0025	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	ND	0.10	1.0	0.10	2.1	0.10	1.1	0.10	0.79	0.10	ND	0.10	1.3	0.10	0.88	0.10	0.77	0.10	0.86	0.10	3.6	0.10	3.1	0.10	1.9	0.10	1.5	0.10	2.3	0.10	1.9	0.10	1.8	0.10	2.5	0.10	2.1	0.10	1.9	0.10	1.6	0.10	1.9	0.10	1.5	0.10	3.4	0.10	1.9	0.10	1.4	0.10	2.6
Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	1.0	0.20	2.1	0.10	1.1	0.10	0.79	0.10	ND	0.10	1.3	0.10	0.88	0.10	0.77	0.10	0.86	0.50	3.6	0.50	3.1	0.10	1.9	0.10	1.5	0.50	2.3	0.10	1.9	0.10	1.8	0.20	2.5	0.20	2.1	0.10	1.9	0.10	1.6	0.10	1.9	0.20	1.5	0.50	3.4	0.10	1.9	0.10	1.4	0.20	2.6
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.004	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	0.0025	ND	0.0025	0.0050	0.013	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0043	0.0025	ND	0.0025	ND	0.0025	0.0031	0.0025	0.022	0.0025	0.012	0.0025	ND	0.0025	0.0051	0.0025	ND	0.0025	0.0029	0.0025	0.0036	0.0025	0.0054	0.0025	0.0063	0.0025	0.0066	0.0025	ND	0.0025	0.0048	0.013	ND ^	0.0025	0.0032	0.0025	0.0031	0.0025	0.0033	0.0025	0.0050
Silver	0.05	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	0.00091	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	50	120	50	160	50	120	25	120	50	160	50	190	25	160	50	150	50	110	50	140	50	250	50	260	50	210	25	89	25	110	40	84	50	130	25	58	25	84	25	91	40	180	50	150	25	130	25	96	20	87	25	75	25	110
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	930	10	1100	10	1000	10	930	10	1100	10	1000	10	1100	10	1000	10	1100	10	950	10	1300	10	1000	10	910	10	890	10	1100	10	810	10	760	10	700	10	830	10	860	10	820	10	780	10	850	10	920	10	800	10	740	10	890
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.10	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0025	NS	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	0.0015	0.002	ND	0.002	0.0065	0.002	ND	0.002	0.0027	0.002	ND	0.002	ND	0.002	ND
pH	6.5 - 9.0	NA	7.84	NA	7.26	NA	7.41	NA	7.37	NA	7.48	NA	7.34	NA	7.21	NA	7.40	NA	7.42	NA	7.66	NA	7.00	NA	7.26	NA	7.22	NA	8.57	NA	7.09	NA	6.70	NA	7.16	NA	7.55	NA	7.37	NA	7.29	NA	7.11	NA	7.31	NA	7.07	NA	7.18	NA	7.45	NA	7.35	NA	7.03
Temperature	NA	NA	10.91	NA	12.73	NA	13.04	NA	11.90	NA	10.94	NA	13.73	NA	14.01	NA	13.35	NA	12.40	NA	11.20	NA	13.45	NA	17.29	NA	13.91	NA	9.27	NA	11.38	NA	18.40	NA	13.97	NA	9.02	NA	16.14	NA	17.45	NA	13.85	NA	6.78	NA	13.77	NA	18.94	NA	16.53	NA	12.81	NA	15.34
Conductivity	NA	NA	1.83	NA	1.76	NA	1.74	NA	1.15	NA	1.19	NA	1.21	NA	1.33	NA	1.41	NA	1.28	NA	1.18	NA	1.55	NA	1.33	NA	0.99	NA	0.75	NA	1.31	NA	1.22	NA	1.22	NA	0.90	NA	1.23	NA	1.26	NA	1.50	NA	0.86	NA	1.18	NA	1.35	NA	1.14	NA	0.95	NA	1.05
Dissolved Oxygen	NA	NA	NM	NA	4.73	NA	7.78	NA	6.03	NA	6.07	NA	6.07	NA	6.47	NA	6.35	NA	6.30	NA	7.03	NA	5.31	NA	3.47	NA	2.78	NA	3.32	NA	5.23	NA	6.68	NA	5.41	NA	4.84	NA	5.49	NA	6.03	NA	5.48	NA	5.93	NA	5.65	NA	6.91	NA	5.30	NA	5.69	NA	7.22
ORP	NA	NA	NM	NA	179.1	NA	223.5	NA	-51.0	NA	145.0	NA	193.0	NA	114.0	NA	134.0	NA	130.0	NA	196.6	NA	-20.4	NA	32.2	NA	-79.8	NA	-7.3	NA	141.8	NA	94.8	NA	69.5	NA	71.9	NA	64.1	NA	7.6	NA	106.6	NA	94.8	NA	93.8	NA	66.4	NA	66.0	NA	5.1	NA	59.8

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits

Temperature °C
Conductivity ms/cm
Dissolved Oxygen mg/L
Oxygen Reduction Potential (ORP) mV

degrees Celcius
millisiemens/centimeters
milligrams/liter
millivolts

Table 1. Groundwater Analytical Results - Midwest Generation LLC, Joliet Station #29, Joliet, IL

Sample: MW-04	Date	12/7/2010		3/23/2011		6/14/2011		9/14/2011		12/7/2011		3/15/2012		6/19/2012		9/19/2012		12/20/2012		3/5/2013		5/22/2013		7/22/2013		10/16/2013		2/21/2014		5/1/2014		8/18/2014		10/23/2014		2/10/2015		5/27/2015		8/4/2015		10/28/2015		2/10/2016		5/10/2016		8/31/2016		11/2/2016		2/6/2017		4/26/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	0.0067	0.0030	0.0057	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	0.012	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	ND	0.0010	ND	0.0050	ND	0.0010	ND	0.0010	0.0011	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0013	0.0010	0.0014	0.0010	0.0013	0.0010	0.0012	0.0010	0.0013	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0013	0.0010	0.0015	0.0010	ND	0.0010	0.0013	0.0010	ND ^	0.0010	0.0013	0.0010	0.0012	0.0010	0.0013	0.0010	0.0011
Barium	2.0	0.0025	0.065	0.0025	0.067	0.0025	0.059	0.0025	0.060	0.0025	0.069	0.0025	0.070	0.0025	0.068	0.0025	0.092	0.0025	0.87	0.0025	0.080	0.0025	0.084	0.0025	0.078	0.0025	0.089	0.0025	0.088	0.0025	0.072	0.0025	0.071	0.0025	0.078	0.0025	0.079	0.0025	0.090	0.0025	0.067	0.0025	0.083	0.0025	0.085	0.0025	0.10	0.0025	0.089	0.0025	0.079	0.0025	0.10	0.0025	0.084
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND ^	0.0010	ND ^	0.0010	ND	0.0010	ND
Boron	2.0	0.050	0.46	0.050	0.37	0.050	0.38	0.050	0.25	0.050	0.34	0.050	0.29	0.050	0.48	0.050	0.34^	0.050	0.38	0.050	0.40	0.050	0.40	0.050	0.50	0.050	0.45	0.050	0.35	0.050	0.32	0.050	0.35	0.050	0.41	0.050	0.44	0.050	0.36	0.050	0.33	0.050	0.30	0.050	0.35	0.050	0.51	0.050	0.43	0.050	0.32	0.050	0.38	0.050	0.29
Cadmium	0.005	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	10	270	10	270	10	250	10	150	10	200	2.0	210	10	270	10	260	10	250	10	230	10	270	10	200	10	210	10	220	10	270	10	210	10	160	10	180	10	290	10	200	10	200	10	200	10	260	10	200	10	140	10	200	10	220
Chromium	0.1	0.0050	ND	0.0050	ND	0.025	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0050	ND	0.0010	0.0018	0.0010	0.0028	0.0010	0.0026	0.0010	0.0042	0.0010	0.0059	0.0010	0.0049	0.0010	0.0057	0.0010	0.0012	0.0010	0.0014	0.0010	0.0048	0.0010	0.0022	0.0010	ND	0.0010	0.0060	0.0010	0.011	0.0010	0.0076	0.0010	0.0062	0.0010	0.0047	0.0010	0.0041	0.0010	0.0075	0.0010	0.0046	0.0010	0.0072	0.0010	0.0029	0.0010	0.0082	0.0010	0.0052
Copper	0.65	0.0020	ND	0.0020	ND	0.010	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0041	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0072	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND ^
Cyanide	0.2	0.010	ND	0.010	ND*	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.49	0.10	0.38	0.10	0.44	0.10	0.37	0.10	0.44	0.10	0.41	0.10	0.46	0.10	0.47	0.10	0.41	0.10	0.47^	0.10	0.49	0.10	0.50	0.10	0.53	0.10	0.45	0.10	0.44	0.10	0.51	0.10	0.49	0.10	0.44	0.10	0.43	0.10	0.49	0.10	0.45	0.10	0.51	0.10	0.50	0.10	0.44	0.10	0.46	0.10	0.38	0.10	0.37
Iron	5.0	0.10	ND	0.10	ND	0.50	ND	0.10	0.22	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.46	0.10	0.17	0.10	ND	0.10	ND	0.10	ND	0.10	0.18	0.10	ND	0.10	ND	0.10	0.14	0.10	ND	0.10	ND	0.10	ND	0.10	ND ^	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00077	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.33	0.0025	0.048	0.013	0.018	0.0025	0.066	0.0025	0.029	0.0025	0.038^	0.0025	0.082	0.0025	0.043	0.0025	0.029	0.0025	0.067	0.0025	0.0081	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0044	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0054	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0054	0.0025	ND	0.0025	ND	0.0025	ND
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND *	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	0.0067	0.0020	0.0037	0.010	ND	0.0020	0.0029	0.0020	0.0038	0.0020	0.0037	0.0020	0.0036	0.0020	0.0043	0.0020	0.0042	0.0020	0.0051	0.0020	0.0034	0.0020	0.0037	0.0020	0.0033	0.0020	0.0022	0.0020	0.0022	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0023	0.0020	ND	0.0020	ND	0.0020	0.0021	0.0020	0.0021	0.0020	0.0020	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	0.81	0.10	1.6	0.10	2.7	0.10	1.6	0.10	1.4	0.10	0.62	0.10	1.4	0.10	1.3	0.10	0.91	0.10	1.3	0.10	2.9	0.10	2.4	0.10	2.5	0.10	2.0	0.10	2.0	0.10	1.9	0.10	1.6	0.10	2.2	0.10	2.5	0.10	1.3	0.10	1.7	0.10	1.8	0.10	2.1	0.10	1.8	0.10	1.9	0.10	1.8	0.10	2.4
Nitrogen/Nitrate, Nitrite	NA	0.10	0.81	0.10	1.6	0.20	2.7	0.10	1.6	0.10	1.4	0.10	0.62	0.10	1.4	0.10	1.3	0.10	0.91	0.10	1.3	0.20	2.9	0.50	2.4	0.20	2.5	0.10	2.0	0.50	2.0	0.10	1.9	0.10	1.6	0.20	2.2	0.20	2.5	0.10	1.3	0.10	1.7	0.10	1.8	0.20	2.1	0.10	1.8	0.10	1.9	0.10	1.8	0.20	2.4
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.004	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	0.0025	0.0025	0.0025	ND	0.013	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0047	0.0025	0.0033	0.0025	ND	0.0025	0.0025	0.0025	ND	0.0025	0.0037	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND ^	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	50	300	25	140	25	84	25	74	50	170	50	210	25	110	50	180	50	130	50	110	25	120	50	170	50	230	25	110	20	140	25	89	50	160	25	65	20	88	25	92	20	100	25	100	50	130	50	100	25	67	25	76	25	80
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	1100	10	1000	10	890	10	770	10	970	10	930	10	1100	10	980	10	1000	10	880	10	900	10	840	10	860	10	870	10	860	10	760	10	720	10	730	10	980	10	770	10	780	10	760	10	860	10	800	10	700	10	870	10	750
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.10	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0025	NS	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	0.0017	0.002	ND	0.002	ND	0.002	ND
pH	6.5 - 9.0	NA	7.71	NA	7.15	NA	7.48	NA	7.42	NA	7.56	NA	7.40	NA	7.31	NA	7.37	NA	7.38	NA	7.44	NA	7.18	NA	7.25	NA	7.24	NA	9.11	NA	7.15	NA	6.89	NA	7.11	NA	7.53	NA	7.31	NA	6.80	NA	7.07	NA	7.22	NA	6.71	NA	7.07	NA	7.25	NA	7.19	NA	7.46
Temperature	NA	NA	10.69	NA	12.13	NA	12.59	NA	11.78	NA	9.67	NA	12.52	NA	13.59	NA	14.52	NA	12.98	NA	9.90	NA	14.25	NA	14.76	NA	13.91	NA	9.25	NA	10.92	NA	18.13	NA	14.52	NA	8.49	NA	15.49	NA	18.49	NA	13.44	NA	4.24	NA	12.83	NA	19.61	NA	15.48	NA	11.95	NA	15.52
Conductivity	NA	NA	1.84	NA	1.76	NA	1.50	NA	0.94	NA	1.04	NA	1.06	NA	1.28	NA	1.33	NA	1.24	NA	1.05	NA	1.106	NA	1.07	NA	1.19	NA	0.93	NA	1.13	NA	1.18	NA	1.18	NA	0.90	NA	1.34	NA	1.20	NA	1.34	NA	0.80	NA	1.21	NA	1.33	NA	1.10	NA	1.01	NA	1.08
Dissolved Oxygen	NA	NA	NM	NA	6.80	NA	8.20	NA	7.17	NA	6.95	NA	6.95	NA	6.51	NA	6.26	NA	8.19	NA	7.6	NA	6.47	NA	4.4	NA	3.13	NA	5.94	NA	4.23	NA	5.82	NA	5.54	NA	4.57	NA	6.54	NA	5.60	NA	5.76	NA	6.44	NA	7.00	NA	7.06	NA	3.56	NA	5.06	NA	8.90
ORP	NA	NA	NM	NA	196.1	NA	217.5	NA	-43.0	NA	135.0	NA	177.0	NA	86.0	NA	155.0	NA	132.0	NA	140.9	NA	-6.4	NA	27.6	NA	-80.9	NA	-34.2	NA	101.1	NA	77.4	NA	57.6	NA	41.7	NA	36.7	NA	25.8	NA	104.2	NA	99.2	NA	150.9	NA	72.1	NA	71.2	NA	-14.7	NA	-15.3

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits

Temperature °C
Conductivity ms/cm
Dissolved Oxygen mg/L
Oxygen Reduction Potential (ORP) mV

degrees Celcius
millisiemens/centimeters
milligrams/liter
millivolts

Table 1. Groundwater Analytical Results - Midwest Generation LLC, Joliet Station #29, Joliet, IL

Sample: MW-05	Date	12/7/2010		3/23/2011		6/14/2011		9/14/2011		12/7/2011		3/15/2012		6/19/2012		9/19/2012		12/20/2012		3/5/2013		6/5/2013		7/23/2013		10/15/2013		2/21/2014		5/1/2014		8/19/2014		10/23/2014		2/11/2015		5/27/2015		8/4/2015		10/28/2015		2/10/2016		5/10/2016		8/31/2016		11/2/2016		2/6/2017		4/26/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	0.0040	0.0030	0.0035	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	ND	0.0010	ND	0.0050	ND	0.0010	0.0011	0.0010	0.0011	0.0010	ND	0.0010	ND	0.0010	0.0011	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0010	0.0010	ND	0.0010	ND	0.0010	ND^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0011	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND
Barium	2.0	0.0025	0.061	0.0025	0.092	0.0025	0.053	0.0025	0.053	0.0025	0.062	0.0025	0.069	0.0025	0.056	0.0025	0.071	0.0025	0.078	0.0025	0.076	0.0025	0.060	0.0025	0.050	0.0025	0.056	0.0025	0.091	0.0025	0.078	0.0025	0.054	0.0025	0.057	0.0025	0.078	0.0025	0.053	0.0025	0.060	0.0025	0.057	0.0025	0.063	0.0025	0.065	0.0025	0.066	0.0025	0.054	0.0025	0.077	0.0025	0.059
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	0.050	0.42	0.050	0.52	0.050	0.47	0.050	0.57	0.050	0.49	0.050	0.54	0.050	0.44	0.050	0.55^	0.050	0.65	0.050	0.59	0.050	0.69	0.050	0.81	0.050	0.55	0.050	0.34	0.050	0.36	0.050	0.95	0.050	0.57	0.050	0.69	0.050	1.0	0.050	1.1	0.050	0.57	0.050	0.45	0.050	0.69	0.050	0.98	0.050	0.40	0.050	0.47	0.050	0.62
Cadmium	0.005	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	0.0016	0.00050	ND	0.00050	0.00091	0.00050	0.00076	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00060	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0014	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	10	150	10	240	10	220	10	120	10	190	2.0	210	10	220	10	240	10	210	10	230	10	180	10	110	10	140	10	240	10	370	10	120	10	120	10	220	10	250	10	180	10	170	10	210	10	230	10	92	10	120	10	180	10	190
Chromium	0.1	0.0050	ND	0.0050	ND	0.025	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0040	0.0010	0.006	0.0010	0.0019	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0014	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0035	0.0010	ND	0.0010	0.0052	0.0010	0.0014	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.010	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.019	0.0020	0.017	0.0020	0.0065	0.0020	ND	0.0020	0.0020	0.0020	ND	0.0020	ND	0.0020	0.0057	0.0020	ND	0.0020	ND	0.0020	0.013	0.0020	0.0026	0.0020	0.015	0.0020	0.0032	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND ^
Cyanide	0.2	0.010	ND	0.010	ND*	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.40	0.10	0.34	0.10	0.39	0.10	0.28	0.10	0.34	0.10	0.32	0.10	0.38	0.10	0.39	0.10	0.35	0.10	0.35^	0.10	0.39	0.10	0.38	0.10	0.41	0.10	0.34	0.10	0.32	0.10	0.42	0.10	0.44	0.10	0.42	0.10	0.54	0.10	0.52	0.10	0.38	0.10	0.42	0.10	0.51	0.10	0.56	0.10	0.36	0.10	0.29	0.10	0.38
Iron	5.0	0.10	ND	0.10	ND	0.50	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.28	0.10	ND ^	0.10	ND	0.10	ND	0.10	ND
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00062	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00074	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.0065	0.0025	ND	0.013	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0040	0.0025	0.081	0.0025	ND	0.0025	ND	0.0025	0.0037	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.035	0.0025	0.0062	0.0025	ND	0.0025	0.0076	0.0025	ND	0.0025	0.012	0.0025	0.0046	0.0025	0.0050	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.010	ND	0.0020	0.0021	0.0020	ND	0.0020	ND	0.0020	0.0025	0.0020	0.0080	0.0020	0.02	0.0020	0.0072	0.0020	0.0029	0.0020	0.0058	0.0020	0.0030	0.0020	ND	0.0020	0.0033	0.0020	0.0078	0.0020	0.0035	0.0020	0.0092	0.0020	0.0055	0.0020	0.011	0.0020	0.0037	0.0020	0.0027	0.0020	0.0033	0.0020	0.0044	0.0020	ND	0.0020	0.0022	0.0020	0.0025
Nitrogen/Nitrate	10.0	0.10	ND	0.10	1.2	0.10	1.3	0.10	1.1	0.10	1.5	0.10	0.33	0.10	1.0	0.10	ND	0.10	0.21	0.10	0.16	0.10	1.7	0.10	1.0	0.10	1.0	0.10	1.2	0.10	1.6	0.10	0.53	0.10	1.2	0.10	1.7	0.10	1.5	0.10	0.18	0.10	1.0	0.10	1.1	0.10	1.7	0.10	0.86	0.10	1.1	0.10	1.3	0.10	1.6
Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	1.2	0.10	1.3	0.10	1.1	0.10	1.5	0.10	0.33	0.10	1.0	0.10	ND	0.10	0.21	0.10	0.16	0.10	1.7	0.10	1.0	0.10	1.0	0.10	1.2	0.10	1.7	0.10	0.53	0.10	1.2	0.10	1.7	0.10	1.5	0.10	0.18	0.10	1.0	0.10	1.1	0.10	1.7	0.10	0.86	0.10	1.1	0.10	1.3	0.10	1.6
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.056	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.004	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	0.0025	ND	0.0025	0.0072	0.013	ND	0.0025	ND	0.0025	0.0050	0.0025	ND	0.0025	0.0057	0.0025	ND	0.0025	0.0034	0.0025	ND	0.0025	0.025	0.0025	0.016	0.0025	0.0026	0.0025	0.0030	0.0025	ND	0.0025	0.017	0.0025	0.0097	0.0025	0.014	0.0025	0.025	0.0025	0.013	0.0025	0.0030	0.0025	ND	0.013	0.018 ^	0.0025	0.019	0.0025	ND	0.0025	ND	0.0025	0.014
Silver	0.05	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	25	110	50	160	25	100	50	140	50	140	50	190	25	130	50	210	50	210	50	150	50	200	50	290	50	180	25	130	25	160	100	360	50	240	50	230	50	290	50	260	50	140	25	110	50	270	50	270	25	95	50	130	50	170
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	750	10	990	10	850	10	800	10	900	10	930	10	1000	10	990	10	1000	10	960	10	1,100	10	910	10	680	10	840	10	1100	10	1000	10	730	10	1000	10	1000	10	930	10	760	10	770	10	910	10	850	10	630	10	840	10	760
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.011	0.0050	ND	0.0050	0.0087
Zinc	5.0	0.020	ND	0.020	ND	0.10	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	0.0008	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0025	NS	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	0.0031	0.002	ND	0.002	0.0009	0.002	ND	0.002	ND	0.002	ND
pH	6.5 - 9.0	NA	7.82	NA	7.19	NA	7.44	NA	7.25	NA	7.44	NA	7.30	NA	7.18	NA	7.32	NA	7.36	NA	7.34	NA	6.92	NA	6.71	NA	7.21	NA	9.09	NA	7.06	NA	6.40	NA	6.94	NA	7.49	NA	7.25	NA	7.31	NA	7.12	NA	7.25	NA	6.88	NA	6.81	NA	7.26	NA	7.22	NA	7.28
Temperature	NA	NA	8.86	NA	13.41	NA	13.37	NA	12.15	NA	11.23	NA	13.52	NA	16.19	NA	14.23	NA	13.64	NA	10.90	NA	14.95	NA	14.65	NA	14.16	NA	11.17	NA	11.87	NA	16.11	NA	16.69	NA	8.18	NA	18.15	NA	21.19	NA	14.30	NA	8.60	NA	14.22	NA	21.67	NA	17.16	NA	12.75	NA	17.02
Conductivity	NA	NA	1.36	NA	1.65	NA	1.38	NA	0.92	NA	1.02	NA	1.19	NA	1.56	NA	1.29	NA	1.25	NA	1.08	NA	1.067	NA	1.01	NA	0.93	NA	0.96	NA	1.46	NA	1.18	NA	1.17	NA	1.15	NA	1.49	NA	1.47	NA	1.31	NA	0.84	NA	1.24	NA	1.27	NA	0.99	NA	0.93	NA	1.06
Dissolved Oxygen	NA	NA	NM	NA	6.96	NA	7.16	NA	6.43	NA	6.07	NA	6.24	NA	6.56	NA	3.68	NA	4.27	NA	4.49	NA	4.01	NA	3.5	NA	1.17	NA	4.61	NA	1.10	NA	1.65	NA	4.70	NA	4.99	NA	6.73	NA	2.77	NA	2.29	NA	4.11	NA	5.76	NA	4.62	NA	4.45	NA	6.15	NA	6.18
ORP	NA	NA	NM	NA	197.8	NA	210.0	NA	-26.0	NA	125.0	NA	228.0	NA	176.0	NA	155.0	NA	112.0	NA	160.5	NA	-1.7	NA	82.5	NA	-98.4	NA	-54.7	NA	91.1	NA	88.6	NA	62.0	NA	85.8	NA	92.2	NA	-27.6	NA	107.2	NA	123.3	NA	78.3	NA	61.6	NA	73.3	NA	11.9	NA	34.0

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits

Temperature °C
Conductivity ms/cm
Dissolved Oxygen mg/L
Oxygen Reduction Potential (ORP) mV

degrees Celcius
millisiemens/centimeters
milligrams/liter
millivolts

Table 1. Groundwater Analytical Results - Midwest Generation LLC, Joliet Station #29, Joliet, IL

Sample: MW-06	Date	12/7/2010		3/23/2011		6/14/2011		9/14/2011		12/7/2011		3/15/2012		6/19/2012		9/19/2012		12/20/2012		3/5/2013		5/22/2013		7/23/2013		10/16/2013		2/21/2014		5/2/2014		8/19/2014		10/23/2014		2/10/2015		5/28/2015		8/5/2015		10/27/2015		2/11/2016		5/12/2016		9/1/2016		11/3/2016		2/7/2017		4/27/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	0.0045	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	ND	0.0010	0.0015	0.0050	ND	0.0010	ND	0.0010	0.0018	0.0010	0.0016	0.0010	0.0014	0.0010	0.0015	0.0010	0.0014	0.0010	0.0018	0.0010	0.0018	0.0010	0.0017	0.0010	0.0016	0.0010	0.0015	0.0010	0.0019	0.0010	0.0013	0.0010	0.0010	0.0010	0.0016	0.0010	0.0017	0.0010	0.0016	0.0010	ND	0.0010	0.0016	0.0050	ND ^	0.0010	0.0012	0.0010	0.0014	0.0010	0.0012
Barium	2.0	0.0025	0.075	0.0025	0.12	0.0025	0.082	0.0025	0.094	0.0025	0.11	0.0025	0.13	0.0025	0.11	0.0025	0.14	0.0025	0.12	0.0025	0.12	0.0025	0.097	0.0025	0.096	0.0025	0.11	0.0025	0.17	0.0025	0.15	0.0025	0.098	0.0025	0.12	0.0025	0.14	0.0025	0.14	0.0025	0.11	0.0025	0.12	0.0025	0.14	0.0025	0.14	0.0025	0.096	0.0025	0.12	0.0025	0.16	0.0025	0.10
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND	0.0010	ND ^	0.0010	ND	0.0010	ND ^	0.0010	ND
Boron	2.0	0.050	0.32	0.050	0.44	0.050	0.32	0.050	0.27	0.050	0.30	0.050	0.25	0.050	0.26	0.050	0.25^	0.050	0.31	0.050	0.33	0.050	0.23	0.050	0.23	0.050	0.22	0.050	0.26	0.050	0.17	0.050	0.26	0.050	0.19	0.050	0.22	0.050	0.19	0.050	0.21	0.050	0.22	0.050	0.17	0.050	0.19	0.050	0.28	0.050	0.25	0.050	0.22	0.050	0.15
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	10	130	10	270	10	140	10	140	10	130	2.0	240	10	210	10	190	10	150	10	160	10	170	10	120	10	120	10	370	50	340	10	120	10	100	10	150	10	270	10	140	10	130	10	230	10	250	10	79	10	85	10	200	10	150
Chromium	0.1	0.0050	ND	0.0050	ND	0.025	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	0.0019	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0017	0.0010	ND	0.0010	0.0015	0.0010	0.0011	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.010	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0025	0.0020	ND	0.0020	ND	0.0020	0.0056	0.0020	0.0021	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND ^
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	0.054	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.40	0.10	0.36	0.10	0.44	0.10	0.29	0.10	0.44	0.10	0.36	0.10	0.36	0.10	0.36	0.10	0.38	0.10	0.40^	0.10	0.43	0.10	0.37	0.10	0.35	0.10	0.34	0.10	0.33	0.10	0.38	0.10	0.34	0.10	0.36	0.10	0.35	0.10	0.39	0.10	0.32	0.10	0.34	0.10	0.38	0.10	0.34	0.10	0.32	0.10	0.27	0.10	0.28
Iron	5.0	0.10	ND	0.10	ND	0.50	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.50	ND	0.10	ND	0.10	ND	0.15	0.10	ND
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.14	0.0025	0.033	0.013	ND	0.0025	0.036	0.0025	0.024	0.0025	0.015	0.0025	0.0080	0.0025	0.0087	0.0025	0.0076	0.0025	0.0047	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0068	0.0025	ND
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	0.0056	0.0020	0.0025	0.010	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0021	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0022	0.0020	0.0027	0.0020	0.0034	0.0020	0.0023	0.0020	0.0026	0.0020	ND	0.0020	0.0032	0.0020	0.0027	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	ND	0.10	1.3	0.10	0.91	0.10	0.31	0.10	0.36	0.10	ND	0.10	0.65	0.10	0.55	0.10	0.47	0.10	1.0	0.10	1.7	0.10	0.46	0.10	0.49	0.10	1.7	0.10	1.3	0.10	0.51	0.10	0.64	0.10	1.3	0.10	1.2	0.10	0.35	0.10	0.47	0.10	1.6	0.10	1.5	0.10	0.43	0.10	0.31	0.10	0.99	0.10	1.1
Nitrogen/Nitrate, Nitrite	NA	0.10	ND^	0.10	1.3	0.10	0.91	0.10	0.31	0.10	0.36	0.10	ND	0.10	0.65	0.10	0.55	0.10	0.47	0.10	1.0	0.10	1.7	0.10	0.46	0.10	0.49	0.10	1.7	0.10	1.3	0.10	0.51	0.10	0.64	0.10	1.3	0.10	1.2	0.10	0.35	0.10	0.47	0.10	1.6	0.10	1.5	0.10	0.43	0.10	0.31	0.10	0.99	0.10	1.1
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.004	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	0.0025	0.0029	0.0025	0.0034	0.013	ND	0.0025	ND	0.0025	0.0054	0.0025	0.0051	0.0025	0.0069	0.0025	0.0073	0.0025	0.0059	0.0025	0.013	0.0025	0.0032	0.0025	0.0027	0.0025	0.0035	0.0025	0.0034	0.0025	0.0034	0.0025	0.0031	0.0025	0.0039	0.0025	0.0045	0.0025	0.0036	0.0025	ND	0.0025	0.0035	0.0025	0.0027	0.0025	0.0030 ^	0.0025	0.0037	0.0025	ND	0.0025	0.0042	0.0025	0.0026
Silver	0.05	0.00050	ND	0.00050	0.00077	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND F1	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	50	140	50	140	25	87	25	100	50	130	50	110	25	91	25	85	25	120	25	120	25	96	25	110	25	150	25	100	20	120	25	91	25	140	50	140	25	94	50	110	25	120	50	140	50	160	50	97	25	97	50	130	25	83
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	650	10	1000	10	650	10	620	10	710	10	800	10	860	10	760	10	710	10	690	10	690	10	350	10	570	10	930	10	990	10	600	10	530	10	710	10	870	10	680	10	650	10	820	10	880	10	530	10	590	10	840	10	590
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0050	0.0052	0.0050	0.0050	0.0050	0.0056	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0059	0.0050	ND	0.0050	0.0057	0.0050	0.0063	0.0050	0.0060	0.0050	0.0063	0.0050	ND	0.0050	0.0065	0.0050	ND	0.0050	0.0054	0.0050	0.0066	0.0050	0.0060	0.0050	0.0054
Zinc	5.0	0.020	ND	0.020	ND	0.10	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0025	NS	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	0.00073	0.002	ND	0.002	ND	0.002	ND	0.002	0.0029	0.002	ND	0.002	ND	0.002	ND
pH	6.5 - 9.0	NA	8.04	NA	7.51	NA	7.71	NA	7.53	NA	7.71	NA	7.57	NA	7.42	NA	7.46	NA	7.66	NA	8.05	NA	7.35	NA	7.42	NA	7.31	NA	9.52	NA	7.42	NA	7.29	NA	7.29	NA	7.78	NA	7.60	NA	7.79	NA	7.02	NA	7.30	NA	7.31	NA	7.36	NA	7.36	NA	6.84	NA	7.65
Temperature	NA	NA	8.53	NA	12.90	NA	14.26	NA	12.73	NA	13.70	NA	14.45	NA	19.31	NA	14.51	NA	13.45	NA	12.20	NA	14.48	NA	15.22	NA	13.50	NA	7.33	NA	11.12	NA	18.67	NA	13.92	NA	9.51	NA	16.30	NA	18.55	NA	14.11	NA	9.02	NA	13.65	NA	18.41	NA	15.80	NA	11.16	NA	11.48
Conductivity	NA	NA	1.20	NA	1.65	NA	1.05	NA	0.77	NA	0.87	NA	1.06	NA	1.23	NA	1.02	NA	0.93	NA	0.94	NA	0.855	NA	0.76	NA	0.80	NA	0.96	NA	1.37	NA	0.94	NA	0.88	NA	0.86	NA	1.19	NA	1.11	NA	1.12	NA	0.89	NA	1.16	NA	0.94	NA	0.78	NA	0.92	NA	0.83
Dissolved Oxygen	NA	NA	NA	NM	NA	7.44	NA	6.82	NA	6.74	NA	7.05	NA	7.47	NA	7.21	NA	6.27	NA	7.20	NA	8.70	NA	4.77	NA	2.44	NA	3.73	NA	4.78	NA	6.82	NA	3.99	NA	4.44	NA	7.08	NA	6.80	NA	5.23	NA	5.42	NA	6.28	NA	5.88	NA	5.35	NA	4.09	NA	6.71	NA	8.59
ORP	NA	NA	NA	NM	NA	183.7	NA	203.8	NA	-65.0	NA	113.0	NA	210.0	NA	153.0	NA	162.0	NA	125.0	NA	186.4	NA	18.1	NA	22.7	NA	-86.3	NA	-81.0	NA	137.8	NA	60.1	NA	60.8	NA	88.5	NA	120.7	NA	-16.5	NA	164.8	NA	114.3	NA	50.1	NA	53.4	NA	22.7	NA	201.6	NA	-16.1

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits

Temperature °C
Conductivity ms/cm
Dissolved Oxygen mg/L
Oxygen Reduction Potential (ORP) mV

degrees Celcius
millisiemens/centimeters
milligrams/liter
millivolts

Table 1. Groundwater Analytical Results - Midwest Generation LLC, Joliet Station #29, Joliet, IL

Sample: MW-07	Date	12/7/2010		3/23/2011		6/14/2011		9/14/2011		12/7/2011		3/15/2012		6/19/2012		9/19/2012		12/20/2012		3/5/2013		5/22/2013		7/23/2013		10/16/2013		2/21/2014		5/2/2014		8/19/2014		10/23/2014		2/10/2015		5/28/2015		8/5/2015		10/27/2015		2/11/2016		5/12/2016		9/1/2016		11/3/2016		2/7/2017		4/27/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.0010	0.0010	ND	0.0050	ND	0.0010	ND	0.0010	0.0014	0.0010	0.0010	0.0010	ND	0.0010	0.0013	0.0010	ND	0.0010	ND	0.0010	0.0011	0.0010	0.0015	0.0010	ND	0.0010	0.0011	0.0010	ND	0.0010	0.0014	0.0010	ND	0.0010	ND^	0.0010	ND	0.0010	0.0013	0.0010	ND	0.0010	0.0017	0.0050	ND ^	0.0010	ND	0.0010	0.0011	0.0010	0.0010	0.0010	ND
Barium	2.0	0.0025	0.13	0.0025	0.11	0.0025	0.072	0.0025	0.092	0.0025	0.11	0.0025	0.13	0.0025	0.092	0.0025	0.12	0.0025	0.11	0.0025	0.12	0.0025	0.11	0.0025	0.082	0.0025	0.13	0.0025	0.15	0.0025	0.12	0.0025	0.091	0.0025	0.11	0.0025	0.18	0.0025	0.12	0.0025	0.10	0.0025	0.11	0.0025	0.15	0.0025	0.12	0.0025	0.084	0.0025	0.11	0.0025	0.15	0.0025	0.096
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND	0.0010	ND ^	0.0010	ND	0.0010	ND ^	0.0010	ND
Boron	2.0	0.050	0.51	0.050	0.39	0.050	0.25	0.050	0.29	0.050	0.35	0.050	0.30	0.050	0.25	0.050	0.31^	0.050	0.41	0.050	0.39	0.050	0.21	0.050	0.21	0.050	0.24	0.050	0.30	0.050	0.15	0.050	0.22	0.050	0.17	0.050	0.21	0.050	0.16	0.050	0.20	0.050	0.19	0.050	0.16	0.050	0.20	0.050	0.23	0.050	0.23	0.050	0.19	0.050	0.13
Cadmium	0.005	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	50	430	10	320	10	140	10	99	10	140	2.0	300	10	170	10	170	10	140	10	190	10	170	10	95	10	130	50	470	10	350	10	110	10	98	10	210	10	260	10	130	10	110	10	240	10	240	10	77	10	84	10	240	10	160
Chromium	0.1	0.0050	ND	0.0050	ND	0.025	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0050	ND	0.0010	0.011	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0090	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.010	ND	0.0020	0.0025	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0047	0.0020	0.0020	0.0020	0.096	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND ^
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.36	0.10	0.31	0.10	0.35	0.10	0.27	0.10	0.35	0.10	0.31	0.10	0.37	0.10	0.32	0.10	0.31	0.10	0.30^	0.10	0.38	0.10	0.37	0.10	0.32	0.10	0.31	0.10	0.32	0.10	0.35	0.10	0.36	0.10	0.30	0.10	0.32	0.10	0.35	0.10	0.32	0.10	0.33	0.10	0.35	0.10	0.32	0.10	0.31	0.10	0.25	0.10	0.28
Iron	5.0	0.10	ND	0.10	ND	0.50	ND	0.10	3.8	0.10	ND	0.10	ND	0.10	0.13	0.10	ND	0.10	ND	0.10	ND	0.10	0.41	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.13	0.10	ND	0.10	ND	0.10	0.85	0.50	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.40
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0072	0.00050	ND	0.00050	ND	0.00050	0.00057	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.29	0.0025	0.014	0.013	ND	0.0025	0.080	0.0025	0.0073	0.0025	0.015	0.0025	0.069	0.0025	0.0041	0.0025	0.0063	0.0025	0.0044	0.0025	0.012	0.0025	ND	0.0025	ND	0.0025	0.0033	0.0025	0.0091	0.0025	0.0048	0.0025	0.0026	0.0025	ND	0.0025	0.0041	0.0025	0.018	0.0025	0.010	0.0025	0.0025	0.0025	0.0093	0.0025	0.0075	0.0025	0.011
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND *	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	0.0045	0.0020	ND	0.010	ND	0.0020	0.014	0.0020	ND	0.0020	ND	0.0020	0.0032	0.0020	ND	0.0020	0.0024	0.0020	0.0024	0.0020	0.0020	0.0020	ND	0.0020	0.0021	0.0020	ND	0.0020	0.0022	0.0020	0.0027	0.0020	0.016	0.0020	0.0034	0.0020	ND	0.0020	0.0020	0.0020	0.0030	0.0020	0.0036	0.0020	0.0022	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	ND	0.10	1.2	0.10	0.76	0.10	0.27	0.10	0.60	0.10	ND	0.10	0.65	0.10	0.61	0.10	0.73	0.10	1.4	0.10	1.7	0.10	0.34	0.10	0.65	0.10	ND	0.10	1.3	0.10	0.46	0.10	0.56	0.10	0.19	0.10	1.1	0.10	0.37	0.10	0.51	0.10	1.7	0.10	1.4	0.10	0.36	0.10	0.33	0.10	1.2	0.10	1.0
Nitrogen/Nitrate, Nitrite	NA	0.10	ND^	0.10	1.2	0.10	0.76	0.10	0.27	0.10	0.60	0.10	ND	0.10	0.65	0.10	0.61	0.10	0.73	0.10	1.4	0.10	1.7	0.10	0.34	0.10	0.65	0.50	ND	0.10	1.3	0.10	0.46	0.10	0.56	0.10	0.33	0.10	1.1	0.10	0.37	0.10	0.51	0.10	1.7	0.10	1.4	0.10	0.36	0.10	0.33	0.10	1.2	0.10	1.0
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.14	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.004	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND ^
Selenium	0.05	0.0025	ND	0.0025	ND	0.013	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0031	0.0025	0.0041	0.0025	0.0026	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0026	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND ^	0.0025	ND	0.0025	ND	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	50	250	50	120	25	85	25	110	50	160	50	140	50	190	50	130	25	90	25	150	50	150	25	74	50	190	25	170	20	110	25	82	25	120	50	260	25	80	25	99	50	110	50	140	50	180	25	75	25	100	25	85	25	74
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	1200	10	970	10	580	10	650	10	780	10	870	10	760	10	760	10	760	10	720	10	740	10	540	10	650	10	1200	10	860	10	570	10	520	10	1000	10	860	10	640	10	620	10	860	10	860	10	510	10	570	10	840	10	590
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0050	0.0051	0.0050	ND	0.0050	0.0053	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0051	0.0050	ND	0.0050	ND	0.0050	0.0052	0.0050	ND	0.0050	0.0051	0.0050	ND	0.0050	0.0077	0.0050	ND	0.0050	ND	0.0050	0.0051	0.0050	ND	0.0050	0.0050
Zinc	5.0	0.020	ND	0.020	ND	0.10	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.036	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0025	NS	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	0.0039	0.002	ND	0.002	ND	0.002	0.0575	0.002	ND	0.002	ND
pH	6.5 - 9.0	NA	8.08	NA	7.50	NA	7.61	NA	7.65	NA	7.63	NA	7.53	NA	7.59	NA	7.45	NA	7.52	NA	7.99	NA	7.34	NA	7.42	NA	7.33	NA	9.34	NA	7.35	NA	6.99	NA	17.46	NA	16.49	NA	10.95	NA	17.16	NA	21.99	NA	14.87	NA	5.97	NA	13.22	NA	18.40	NA	17.87	NA	12.53	NA	11.28
Temperature	NA	NA	9.72	NA	13.58	NA	12.92	NA	12.50	NA	13.07	NA	15.40	NA	16.33	NA	13.97	NA	12.88	NA	12.30	NA	14.15	NA	15.44	NA	13.06	NA	8.38	NA	11.45	NA	17.46	NA	16.49	NA	10.95	NA	17.16	NA	21.99	NA	14.87	NA	5.97	NA	13.22	NA	18.40	NA	17.87	NA	12.53	NA	11.28
Conductivity	NA	NA	2.12	NA	1.78	NA	1.02	NA	0.78	NA	0.89	NA	1.18	NA	0.99	NA	1.00	NA	0.91	NA	0.99	NA	0.818	NA	0.72	NA	0.89	NA	1.21	NA	1.30	NA	0.90	NA	0.91	NA	1.18	NA	1.30	NA	1.06	NA	1.04	NA	0.86	NA	1.12	NA	0.86	NA	0.78	NA	0.98	NA	0.79
Dissolved Oxygen	NA	NA	NM	NA	7.02	NA	8.10	NA	7.70	NA	6.74	NA	7.23	NA	7.29	NA	7.16	NA	8.51	NA	8.38	NA	4.29	NA	3.52	NA	2.52	NA	6.39	NA	5.51	NA	3.47	NA	3.32	NA	1.15	NA	4.82	NA	1.80	NA	3.74	NA	6.33	NA	5.75	NA	4.17	NA	4.97	NA	5.01	NA	6.40
ORP	NA	NA	NM	NA	183.2	NA	202.8	NA	-82.0	NA	113.0	NA	175.0	NA	148.0	NA	199.0	NA	152.0	NA	154.3	NA	17.0	NA	23.7	NA	-81.7	NA	-99.0	NA	141.5	NA	55.0	NA	61.8	NA	78.4	NA	128.5	NA	-41.0	NA	147.0	NA	129.1	NA	74.0	NA	102.1	NA	24.2	NA	153.9	NA	-10.4

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits

Temperature °C
Conductivity ms/cm
Dissolved Oxygen mg/L
Oxygen Reduction Potential (ORP) mV

degrees Celcius
millisiemens/centimeters
milligrams/liter
millivolts

Table 1. Groundwater Analytical Results - Midwest Generation LLC, Joliet Station #29, Joliet, IL

Sample: MW-08	Date	12/6/2010		3/23/2011		6/14/2011		9/14/2011		12/7/2011		3/15/2012		6/19/2012		9/19/2012		12/20/2012		3/5/2013		5/23/2013		7/22/2013		10/15/2013		2/21/2014		5/1/2014		8/18/2014		10/23/2014		2/10/2015		5/27/2015		8/4/2015		10/27/2015		2/9/2016		5/11/2016		8/30/2016		11/1/2016		2/7/2017		4/25/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	ND	0.0010	ND	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND^	0.0010	0.0089	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Barium	2.0	0.0025	0.054	0.0025	0.055	0.0025	0.026	0.0025	0.048	0.0025	0.057	0.0025	0.049	0.0025	0.029	0.0025	0.059	0.0025	0.058	0.0025	0.069	0.0025	0.057	0.0025	0.046	0.0025	0.045	0.0025	0.066	0.0025	0.12	0.0025	0.044	0.0025	0.051	0.0025	0.22	0.0025	0.057	0.0025	0.044	0.0025	0.048	0.0025	0.055	0.0025	0.059	0.0025	0.044	0.0025	0.042	0.0025	0.069	0.0025	0.056
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND	0.0010	ND ^	0.0010	ND	0.0010	ND
Boron	2.0	0.050	0.29	0.050	0.16	0.050	0.12	0.050	0.20	0.050	0.16	0.050	0.13	0.050	0.20	0.050	0.46^	0.050	0.33	0.050	0.25	0.050	0.16	0.050	0.18	0.050	0.19	0.050	0.16	0.050	0.15	0.050	0.19	0.050	0.16	0.050	0.64	0.050	0.11	0.050	0.15	0.050	0.15	0.050	0.11	0.050	0.12	0.050	0.18	0.050	0.13	0.050	0.12	0.050	0.10
Cadmium	0.005	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0019	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00053	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	10	130	10	350	10	150	10	79	10	120	50	410	10	190	10	130	10	130	10	200	10	300	10	210	10	110	10	270	50	780	10	170	10	140	50	470	10	270	10	130	2.0	70	10	190	10	300	2.0	69	2.0	67	10	270	10	280
Chromium	0.1	0.0050	ND	0.0050	ND	0.025	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.13	0.0010	0.0018	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.010	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.012	0.0020	ND	0.0020	ND	0.0020	0.0060	0.0020	0.0039	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND ^
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.51	0.10	0.36	0.10	0.45	0.10	0.25	0.10	0.31	0.10	0.38	0.10	0.41	0.10	0.40	0.10	0.33	0.10	0.29^	0.10	0.34	0.10	0.34	0.10	0.36	0.10	0.29	0.10	0.34	0.10	0.36	0.10	0.36	0.10	0.51	0.10	0.44	0.10	0.39	0.10	0.32	0.10	0.36	0.10	0.42	0.10	0.33	0.10	0.32	0.10	0.30	0.10	0.31
Iron	5.0	0.10	ND	0.10	ND	0.50	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.24	0.10	ND	0.10	ND	0.10	ND	0.10	0.23	0.10	ND	0.10	ND	0.10	0.11	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND ^	0.10	ND	0.10	ND	0.10	ND
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0036	0.00050	ND	0.00050	ND	0.00050	0.0034	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.0051	0.0025	0.0026	0.013	0.017	0.0025	ND	0.0025	ND	0.0025	0.0042	0.0025	0.016	0.0025	0.023	0.0025	0.0044	0.0025	ND	0.0025	0.0065	0.0025	ND	0.0025	0.0039	0.0025	ND	0.0025	0.017	0.0025	0.0069	0.0025	1.1	0.0025	0.0044	0.0025	0.0029	0.0025	ND	0.0025	0.0034	0.0025	0.023	0.0025	0.0043	0.0025	ND	0.0025	ND	0.0025	ND
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	0.0025	0.0020	ND	0.010	ND	0.0020	0.012	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0021	0.0020	ND	0.0020	ND	0.0020	0.0034	0.0020	0.0040	0.0020	ND	0.0020	ND	0.0020	0.0029	0.0020	0.0036	0.0020	0.19	0.0020	0.0033	0.0020	0.0020	0.0020	ND	0.0020	ND	0.0020	0.0039	0.0020	ND	0.0020	ND	0.0020	0.0027	0.0020	0.0035
Nitrogen/Nitrate	10.0	0.10	0.33	0.10	2.2	0.10	1.9	0.10	0.95	0.10	0.86	0.10	ND	0.10	0.44	0.10	4.0	0.10	2.0	0.10	2.2	0.10	2.8	0.10	1.2	0.10	1.2	0.10	1.6	0.10	5.9	0.10	0.54	0.10	1.3	0.10	ND	0.10	1.7	0.10	0.72	0.10	1.0	0.10	0.82	0.10	1.2	0.10	1.3	0.10	0.46	0.10	1.3	0.10	1.4
Nitrogen/Nitrate, Nitrite	NA	0.10	0.33	0.20	2.2	0.10	1.9	0.10	0.95	0.10	0.86	0.10	ND	0.10	0.44	0.50	4.0	0.50	2.0	0.20	2.2	0.20	2.8	0.10	1.2	0.10	1.2	0.10	1.6	0.50	6.2	0.10	0.54	0.10	1.3	0.10	ND	0.10	1.7	0.10	0.72	0.10	1.0	0.10	0.82	0.10	1.2	0.10	1.3	0.10	0.46	0.10	1.3	0.10	1.4
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.040	0.33	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.004	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.020	ND	0.0040	ND	0.0040	ND	0.040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	0.0025	ND	0.0025	ND	0.013	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0079	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0034	0.0025	ND	0.0025	ND ^	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	50	210	25	87	10	52	50	120	50	170	25	130	20	110	50	180	50	130	50	150	25	99	25	72	20	74	20	54	100	460	10	59	20	73	100	600	5.0	25	10	31	10	41	10	48	20	70	10	23	10	50	10	43	20	57
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	670	10	990	10	580	10	690	10	800	10	1000	10	740	10	710	10	730	10	830	10	860	10	740	10	560	10	740	13	2100	10	610	10	560	10	2000	10	760	10	540	10	470	10	740	10	810	10	450	10	450	10	810	10	800
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.10	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.026	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	0.002	0.0005	0.002	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	0.00059	0.0005	ND	0.0005	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0025	NS	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.002	ND	0.002	ND	0.002	ND	0.002	0.002	0.002	0.002	0.002	ND	0.002	ND	0.002	0.0016	0.002	ND	0.002	0.02269	0.002	ND	0.002	ND
pH	6.5 - 9.0	NA	7.75	NA	7.29	NA	7.70	NA	7.32	NA	7.38	NA	7.49	NA	7.64	NA	6.80	NA	7.40	NA	7.46	NA	7.17	NA	7.28	NA	7.22	NA	9.17	NA	7.17	NA	7.28	NA	7.19	NA	7.58	NA	7.26	NA	7.47	NA	6.95	NA	7.08	NA	7.05	NA	6.88	NA	7.04	NA	6.95	NA	7.37
Temperature	NA	NA	12.70	NA	13.06	NA	13.15	NA	12.20	NA	12.71	NA	14.64	NA	16.68	NA	15.09	NA	12.82	NA	11.10	NA	11.95	NA	13.86	NA	13.43	NA	10.89	NA	11.71	NA	20.49	NA	15.79	NA	9.48	NA	17.90	NA	22.19	NA	14.00	NA	7.88	NA	14.82	NA	21.32	NA	19.47	NA	11.98	NA	17.31
Conductivity	NA	NA	1.17	NA	1.80	NA	0.99	NA	0.80	NA	0.88	NA	1.40	NA	1.05	NA	0.95	NA	0.91	NA	1.05	NA	1.031	NA	0.97	NA	0.83	NA	0.91	NA	2.71	NA	1.08	NA	1.01	NA	2.80	NA	1.57	NA	0.98	NA	0.86	NA	0.81	NA	1.28	NA	1.16	NA	0.69	NA	0.98	NA	1.14
Dissolved Oxygen	NA	NA	NM	NA	7.82	NA	8.00	NA	6.06	NA	6.57	NA	7.68	NA	7.22	NA	8.19	NA	9.83	NA	7.73	NA	5.33	NA	4.75	NA	3.69	NA	4.94	NA	4.72	NA	5.91	NA	3.52	NA	1.00	NA	3.82	NA	3.84	NA	3.86	NA	5.38	NA	5.09	NA	4.83	NA	3.68	NA	5.62	NA	7.88
ORP	NA	NA	NM	NA	192.6	NA	196.0	NA	-47.0	NA	119.0	NA	130.0	NA	132.0	NA	211.0	NA	101.0	NA	136.1	NA	6.2	NA	30.5	NA	-49.3	NA	-64.9	NA	85.2	NA	76.5	NA	28.8	NA	-114.1	NA	-9.9	NA	-19.0	NA	146.3	NA	41.1	NA	-15.4	NA	22.7	NA	65.0	NA	100.1	NA	9.2

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits

Temperature °C
Conductivity ms/cm
Dissolved Oxygen mg/L
Oxygen Reduction Potential (ORP) mV

degrees Celcius
millisiemens/centimeters
milligrams/liter
millivolts

Table 1. Groundwater Analytical Results - Midwest Generation LLC, Joliet Station #29, Joliet, IL

Sample: MW-09	Date	12/6/2010		3/23/2011		6/14/2011		9/14/2011		12/7/2011		3/15/2012		6/19/2012		9/19/2012		12/20/2012		3/5/2013		5/23/2013		7/22/2013		10/15/2013		2/17/2014		5/1/2014		8/18/2014		10/23/2014		2/10/2015		5/27/2015		8/4/2015		10/27/2015		2/9/2016		5/11/2016		8/30/2016		11/1/2016		2/8/2017		4/25/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND ^	0.0030	ND
Arsenic	0.010	0.0010	ND	0.0010	ND	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0010	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0014	0.0050	ND ^	0.0010	0.0021	0.0010	0.0013	0.0010	0.0011 F1	0.0050	ND
Barium	2.0	0.0025	0.031	0.0025	0.029	0.0025	0.032	0.0025	0.029	0.0025	0.030	0.0025	0.021	0.0025	0.021	0.0025	0.022	0.0025	0.021	0.0025	0.016	0.0025	0.017	0.0025	0.017	0.0025	0.019	0.0025	0.022	0.0025	0.021	0.0025	0.018	0.0025	0.017	0.0025	0.029	0.0025	0.018	0.0025	0.013	0.0025	0.014	0.0025	0.013	0.0025	0.017	0.0025	0.015	0.0025	0.014	0.0025	0.012	0.013	0.014
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND	0.0010	ND ^	0.0010	ND	0.0010	ND ^	0.0010	ND
Boron	2.0	0.050	0.36	0.050	0.32	0.050	0.29	0.050	0.35	0.050	0.31	0.050	0.38	0.050	0.34	0.050	0.59^	0.050	0.44	0.050	0.36	0.050	0.30	0.050	0.29	0.050	0.29	0.050	0.30	0.050	0.27	0.050	0.29	0.050	0.24	0.050	0.30	0.050	0.37	0.050	0.38	0.050	0.33	0.050	0.36	0.050	0.40	0.050	0.72	0.050	0.47	0.050	0.34	0.050	0.30
Cadmium	0.005	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	0.00059	0.00050	ND	0.00050	0.00065	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	10	140	10	230	10	290	10	190	10	190	10	170	10	250	10	160	10	150	10	190	10	290	10	280	10	280	10	270	10	340	10	270	10	230	50	390	10	340	10	230	10	220	10	170	2.0	23	2.0	19	10	110	10	150	10	180
Chromium	0.1	0.0050	ND	0.0050	ND	0.025	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	0.0047	0.0010	0.0034	0.0050	0.0062	0.0010	0.011	0.0010	0.0075	0.0010	0.0021	0.0010	0.0021	0.0010	0.0022	0.0010	0.002	0.0010	0.0024	0.0010	0.0076	0.0010	0.0063	0.0010	0.0056	0.0010	0.0044	0.0010	0.0035	0.0010	0.0063	0.0010	0.0045	0.0010	0.047	0.0010	0.017	0.0010	0.011	0.0010	0.016	0.0010	0.034	0.0010	0.050	0.0010	0.034	0.0010	0.016	0.0010	0.0089	0.0010	0.023
Copper	0.65	0.0020	ND	0.0020	ND	0.010	ND	0.0020	0.0026	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0025	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.011	0.0020	0.0023	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND ^	0.0020	ND ^
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.61	0.10	0.52	0.10	0.47	0.10	0.39	0.10	0.50	0.10	0.45	0.10	0.48	0.10	0.48	0.10	0.45	0.10	0.46^	0.10	0.40	0.10	0.47	0.10	0.53	0.10	0.56	0.10	0.50	0.10	0.56	0.10	0.55	0.10	0.51	0.10	0.44	0.10	0.27	0.10	0.35	0.10	0.45	0.10	0.31	0.10	0.26	0.10	0.30	0.10	0.36	0.10	0.31
Iron	5.0	0.10	ND	0.10	0.18	0.50	7.3	0.10	3.8	0.10	1.5	0.10	5.5	0.10	8.0	0.10	4.7	0.10	13	0.10	15	0.10	160	0.10	50	0.10	25	0.10	12	0.10	8.4	0.10	130	0.10	45	0.10	23	0.10	140	0.10	ND	0.10	170	0.10	ND	2.0	3400	0.10	ND	1.0	900	1.0	250	0.50	1000
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	1.1	0.0025	1.6	0.013	0.95	0.0025	0.82	0.0025	0.66	0.0025	1.3	0.0025	1.2	0.0025	0.68	0.0025	0.44	0.0025	0.43	0.0025	1.6	0.0025	0.81	0.0025	0.52	0.0025	0.34	0.0025	0.30	0.0025	0.72	0.0025	0.38	0.0025	0.54	0.0025	0.66	0.0025	1.4	0.0025	0.79	0.0025	2.3	0.050	6.0	0.0025	3.7	0.0025	1.6	0.0025	0.61	0.0025	1.9
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND *	0.00020	ND	0.00020	ND	0.00020	0.00032	0.00020	0.00096	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	0.0094	0.0020	0.0072	0.010	0.013	0.0020	0.014	0.0020	0.011	0.0020	0.0054	0.0020	0.0070	0.0020	0.010	0.0020	0.0059	0.0020	0.0065	0.0020	0.014	0.0020	0.012	0.0020	0.0090	0.0020	0.0057	0.0020	0.0057	0.0020	0.013	0.0020	0.0079	0.0020	0.039	0.0020	0.026	0.0020	0.021	0.0020	0.025	0.0020	0.071	0.0020	0.17	0.0020	0.14	0.0020	0.045	0.0020	0.015	0.0020	0.060
Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	0.10	0.97	0.10	0.36	0.10	0.22	0.10	ND	0.10	ND	0.10	0.22	0.10	0.22	0.10	0.75	0.10	ND	0.10	0.24	0.10	0.11	0.10	0.34	0.10	0.12	0.10	0.11	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0.10	ND^	0.10	ND	0.10	0.97	0.10	0.36	0.10	0.22	0.10	ND	0.10	ND	0.10	0.22	0.10	0.22	0.10	0.75	0.10	ND	0.10	0.24	0.10	0.11	0.10	0.34	0.10	0.12	0.10	0.11	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.020	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.004	ND	0.020	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.080	ND	0.040	ND	0.0040	ND F1	0.0040	ND	0.0040	ND ^
Selenium	0.05	0.0025	ND	0.0025	ND	0.013	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND ^	0.0025	ND	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	250	1600	250	1100	100	580	130	750	50	130	500	1600	500	1500	250	1600	250	1100	250	700	500	1300	250	1000	130	680	100	560	130	560	250	880	250	960	250	820	500	1100	500	1900	500	1100	1000	3600	2500	12000	2500	8100	500	3600	500	1200	1000	4700
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	2600	10	2400	10	1500	10	1700	10	2400	10	2600	10	2800	10	2900	10	2000	10	1700	13	3000	10	2300	10	1700	10	1600	10	1700	10	2400	17	3100	10	3900	10	2600	13	4700	50	19000	100	15000	17	6100	10	2800	25	6500
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.10	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.023	0.020	0.049	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.021	0.020	ND	0.020	0.072	0.020	0.028	0.020	0.17	0.020	0.050	0.020	0.70	0.020	2.3	0.020	1.8	0.020	0.45	0.020	0.092	0.10	0.73
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0025	NS	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.002	ND	0.002	ND	0.002	0.0006	0.002	0.0006	0.002	ND	0.002	ND	0.002	0.00093	0.002	ND	0.002	0.00062	0.002	ND	0.002	0.00823	0.002	ND	0.002	ND
pH	6.5 - 9.0	NA	7.03	NA	7.19	NA	7.01	NA	6.90	NA	7.19	NA	6.86	NA	6.85	NA	6.82	NA	6.80	NA	7.05	NA	6.34	NA	6.6	NA	6.69	NA	8.83	NA	6.71	NA	6.62	NA	6.93	NA	6.92	NA	6.59	NA	6.52	NA	6.37	NA	6.03	NA	5.73	NA	3.36	NA	6.19	NA	5.74	NA	6.13
Temperature	NA	NA	11.94	NA	12.78	NA	15.68	NA	15.90	NA	11.94	NA	14.29	NA	15.10	NA	16.23	NA	15.41	NA	12.20	NA	12.19	NA	14.92	NA	15.21	NA	8.4	NA	9.84	NA	21.87	NA	15.35	NA	10.12	NA	19.34	NA	22.72	NA	13.47	NA	7.31	NA	13.73	NA	22.44	NA	18.36	NA	9.03	NA	15.44
Conductivity	NA	NA	2.97	NA	3.30	NA	2.25	NA	1.88	NA	1.54	NA	2.31	NA	2.50	NA	2.56	NA	1.93	NA	1.59	NA	2.522	NA	2.17	NA	1.81	NA	1.02	NA	1.89	NA	2.91	NA	2.51	NA	2.50	NA	3.51	NA	4.04	NA	3.53	NA	3.29	NA	9.49	NA	8.79	NA	4.93	NA	2.14	NA	4.95
Dissolved Oxygen	NA	NA	NM	NA	7.49	NA	0.49	NA	0.33	NA	0.43	NA	2.22	NA	1.71	NA	6.15	NA	4.26	NA	4.86	NA	0.40	NA	1.22	NA	1.81	NA	1.24	NA	1.49	NA	0.41	NA	0.76	NA	1.26	NA	0.81	NA	1.00	NA	0.95	NA	0.60	NA	1.90	NA	1.55	NA	0.52	NA	3.13	NA	4.22
ORP	NA	NA	NM	NA	102.2	NA	-43.5	NA	-114.0	NA	-40.0	NA	2.0	NA	-32.0	NA	-22.0	NA	-39.0	NA	-30.3	NA	-85.9	NA	-61.5	NA	-78.4	NA	-125.7	NA	25.7	NA	-108.7	NA	-85.1	NA	-82.0	NA	-96.9	NA	-108.0	NA	-24.9	NA	-19.6	NA	-12.9	NA	332.9	NA	-94.2	NA	34.9	NA	-51.1

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits

Temperature °C
Conductivity ms/cm
Dissolved Oxygen mg/L
Oxygen Reduction Potential (ORP) mV

degrees Celcius
millisiemens/centimeters
milligrams/liter
millivolts

Table 1. Groundwater Analytical Results - Midwest Generation LLC, Joliet Station #29, Joliet, IL

Sample: MW-10	Date	12/6/2010		3/23/2011		6/14/2011		9/14/2011		12/7/2011		3/15/2012		6/19/2012		9/19/2012		12/20/2012		3/5/2013		5/22/2013		7/23/2013		10/15/2013		2/17/2014		5/1/2014		8/18/2014		10/23/2014		2/11/2015		5/28/2015		8/4/2015		10/28/2015		2/10/2016		5/12/2016		8/31/2016		11/2/2016		2/7/2017		4/26/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	ND	0.0010	ND	0.0050	ND	0.0010	ND	0.0010	0.0012	0.0010	ND	0.0010	ND	0.0010	0.0012	0.0010	0.001	0.0010	0.0012	0.0010	0.0011	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0050	ND ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Barium	2.0	0.0025	0.050	0.0025	0.051	0.0025	0.039	0.0025	0.039	0.0025	0.036	0.0025	0.040	0.0025	0.043	0.0025	0.040	0.0025	0.041	0.0025	0.040	0.0025	0.041	0.0025	0.042	0.0025	0.044	0.0025	0.047	0.0025	0.043	0.0025	0.038	0.0025	0.044	0.0025	0.050	0.0025	0.046	0.0025	0.035	0.0025	0.041	0.0025	0.042	0.0025	0.055	0.0025	0.037	0.0025	0.034	0.0025	0.046	0.0025	0.038
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND	0.0010	ND ^	0.0010	ND	0.0010	ND
Boron	2.0	0.050	0.50	0.050	0.54	0.050	0.54	0.050	0.41	0.050	0.52	0.25	0.52	0.050	0.53	0.050	0.43^	0.050	0.49	0.050	0.49	0.050	0.25	0.050	0.30	0.050	0.42	0.050	0.40	0.050	0.39	0.050	0.48	0.050	0.56	0.050	0.52	0.050	0.35	0.050	0.32	0.050	0.44	0.050	0.43	0.050	0.32	0.050	0.34	0.050	0.49	0.050	0.39	0.050	0.29
Cadmium	0.005	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	10	200	10	300	2.0	7.1	10	170	10	180	10	180	10	290	10	230	10	200	10	210	10	240	10	210	10	220	10	240	10	300	10	200	10	170	10	210	10	320	10	180	10	210	10	200	10	290	10	150	10	120	10	200	10	210
Chromium	0.1	0.0050	ND	0.0050	ND	0.025	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.010	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0027	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND ^
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.43	0.10	0.39	0.10	0.42	0.10	0.41	0.10	0.45	0.10	0.41	0.10	0.46	0.10	0.50	0.10	0.47	0.10	0.49^	0.10	0.50	0.10	0.48	0.10	0.50	0.10	0.47	0.10	0.43	0.10	0.49	0.10	0.46	0.10	0.41	0.10	0.43	0.10	0.46	0.10	0.41	0.10	0.45	0.10	0.46	0.10	0.44	0.10	0.43	0.10	0.36	0.10	0.35
Iron	5.0	0.10	ND	0.10	ND	0.50	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.32	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.13	0.10	ND ^	0.10	ND	0.10	ND
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.12	0.0025	0.0076	0.013	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.010	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0049	0.0025	ND	0.0025	0.0037	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	0.0052	0.0020	0.0029	0.010	ND	0.0020	0.0087	0.0020	0.0024	0.0020	ND	0.0020	ND	0.0020	0.0021	0.0020	0.0024	0.0020	0.0022	0.0020	ND	0.0020	0.0027	0.0020	0.0024	0.0020	0.0020	0.0020	0.0023	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0023	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0037	0.0020	0.0023	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	0.39	0.10	2.3	0.10	2.7	0.10	2.6	0.10	1.4	0.10	ND	0.10	1.8	0.10	1.5	0.10	1.5	0.10	1.6	0.10	2.8	0.10	3.0	0.10	2.3	0.10	2.2	0.10	2.8	0.10	0.72	0.10	1.7	0.10	2.4	0.10	2.9	0.10	1.5	0.10	2.4	0.10	2.2	0.10	2.6	0.10	1.4	0.10	2.3	0.10	1.9	0.10	2.3
Nitrogen/Nitrate, Nitrite	NA	0.10	0.39	0.20	2.3	0.20	2.7	0.20	2.6	0.10	1.4	0.10	ND	0.10	1.8	0.10	1.5	0.10	1.5	0.10	1.6	0.20	2.8	0.50	3.0	0.50	2.3	0.50	2.2	0.50	2.8	0.10	0.72	0.10	1.7	0.20	2.4	0.20	2.9	0.10	1.5	0.20	2.4	0.20	2.2	0.20	2.6	0.10	1.4	0.50	2.3	0.10	1.9	0.20	2.3
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.004	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	0.0025	ND	0.0025	ND	0.013	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0025	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND ^	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	50	130	50	130	25	89	25	100	50	190	50	250	50	170	50	110	25	120	25	84	25	120	50	130	50	140	25	55	20	120	20	73	50	110	25	93	20	50	25	97	25	86	25	110	25	120	25	80	20	92	25	88	25	89
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	860	10	1100	10	980	10	730	10	890	10	890	10	1100	10	870	10	860	10	830	10	850	10	910	10	880	10	870	10	890	10	910	10	740	10	810	10	1100	10	710	10	810	10	800	10	920	10	670	10	690	10	810	10	750
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.10	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	0.00076	0.0005	ND	0.0005	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0025	NS	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	0.00075	0.002	ND	0.002	0.00069	0.002	ND	0.002	0.02226	0.002	ND	0.002	ND
pH	6.5 - 9.0	NA	7.65	NA	7.20	NA	7.40	NA	7.34	NA	7.51	NA	7.35	NA	7.20	NA	7.38	NA	7.38	NA	7.55	NA	7.11	NA	7.26	NA	7.11	NA	4.39	NA	7.07	NA	6.74	NA	7.12	NA	7.26	NA	7.27	NA	6.92	NA	7.04	NA	7.17	NA	7.02	NA	6.95	NA	6.99	NA	6.99	NA	7.27
Temperature	NA	NA	9.26	NA	12.40	NA	12.05	NA	11.23	NA	11.26	NA	13.08	NA	14.44	NA	13.53	NA	12.60	NA	10.40	NA	12.70	NA	14.21	NA	13.04	NA	11.47	NA	11.23	NA	16.85	NA	13.74	NA	6.83	NA	15.02	NA	17.42	NA	12.90	NA	7.17	NA	13.60	NA	19.33	NA	15.66	NA	11.40	NA	16.65
Conductivity	NA	NA	1.51	NA	1.88	NA	1.58	NA	0.98	NA	0.99	NA	1.04	NA	1.35	NA	1.13	NA	1.07	NA	1.04	NA	0.964	NA	1.1	NA	1.09	NA	0.84	NA	1.18	NA	1.14	NA	1.18	NA	0.92	NA	1.37	NA	1.19	NA	1.40	NA	0.85	NA	1.29	NA	1.25	NA	0.95	NA	0.98	NA	1.09
Dissolved Oxygen	NA	NA	NM	NA	7.18	NA	8.70	NA	7.42	NA	7.12	NA	7.08	NA	7.13	NA	6.93	NA	8.74	NA	9.16	NA	6.14	NA	4.59	NA	4.27	NA	4.82	NA	6.31	NA	6.99	NA	6.16	NA	6.50	NA	7.41	NA	5.39	NA	6.49	NA	7.45	NA	6.76	NA	7.13	NA	5.97	NA	6.48	NA	8.46
ORP	NA	NA	NM	NA	191.6	NA	210.0	NA	-37.0	NA	143.0	NA	210.0	NA	147.0	NA	146.0	NA	112.0	NA	129.5	NA	35.6	NA	30.2	NA	-48.9	NA	201.1	NA	109.8	NA	87.8	NA	77.3	NA	135.3	NA	134.8	NA	15.3	NA	113.8	NA	121.8	NA	54.2	NA	90.4	NA	86.8	NA	127.9	NA	28.7

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits

Temperature °C
Conductivity ms/cm
Dissolved Oxygen mg/L
Oxygen Reduction Potential (ORP) mV

degrees Celcius
millisiemens/centimeters
milligrams/liter
millivolts

Table 1. Groundwater Analytical Results - Midwest Generation LLC, Joliet Station #29, Joliet, IL

Sample: MW-11	Date	12/6/2010		3/23/2011		6/14/2011		9/14/2011		12/7/2011		3/15/2012		6/19/2012		9/19/2012		12/20/2012		3/5/2013		5/23/2013		7/23/2013		10/15/2013		2/21/2014		5/1/2014		8/19/2014		10/23/2014		2/11/2015		5/28/2015		8/4/2015		10/29/2015		2/11/2016		5/11/2016		9/1/2016		11/2/2016		2/7/2017		4/26/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND	0.0030	ND	0.015	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND ^	0.0030	ND
Arsenic	0.010	0.0010	0.0013	0.0010	0.0016	0.0050	ND	0.0010	0.0016	0.0010	0.0019	0.0010	0.0017	0.0010	0.0017	0.0010	0.0018	0.0010	0.0018	0.0010	0.0018	0.0010	0.0017	0.0010	0.0014	0.0010	0.0015	0.0010	ND	0.0010	0.0017	0.0010	0.0012	0.0010	ND	0.0010	0.0015	0.0010	0.0026	0.0010	ND	0.0010	0.0018	0.0010	0.0015	0.0010	0.0017	0.0010	0.0016	0.0010	0.0014	0.0010	0.0014
Barium	2.0	0.0025	0.064	0.0025	0.076	0.013	0.051	0.0025	0.054	0.0025	0.057	0.0025	0.067	0.0025	0.046	0.0025	0.060	0.0025	0.063	0.0025	0.060	0.0025	0.045	0.0025	0.040	0.0025	0.060	0.0050	0.090	0.0025	0.053	0.0025	0.048	0.0025	0.059	0.0025	0.10	0.0025	0.059	0.0025	0.062	0.0025	0.069	0.0025	0.074	0.0025	0.066	0.0025	0.056	0.0025	0.062	0.0025	0.078	0.0025	0.051
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND
Boron	2.0	0.050	0.47	0.050	2.6	0.050	2.2	0.050	1.1	0.050	1.2	0.25	1.4	0.050	0.85	0.050	0.68^	0.050	0.57	0.50	1.1	0.050	0.34	0.050	0.88	0.050	0.49	0.10	1.2	0.050	1.3	0.25	1.6	0.050	2.0	0.050	1.1	0.050	1.0	0.050	1.4	0.050	0.78	0.050	1.4	0.050	1.5	0.050	1.6	0.050	1.6	0.050	1.3	0.050	1.1
Cadmium	0.005	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	10	160	10	270	10	280	10	86	10	140	10	240	10	150	10	150	10	140	10	190	10	160	10	91	10	140	50	430	10	340	10	120	10	84	10	270	10	290	10	150	10	120	10	230	10	240	10	110	10	93	10	240	10	150
Chromium	0.1	0.0050	ND	0.0050	ND	0.025	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.033	0.0010	0.0016	0.0010	0.0015	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.010	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.017	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.16	0.0020	0.0073	0.0020	0.0022	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND ^	0.0020	ND ^
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.34	0.10	0.31	0.10	0.36	0.10	0.32	0.10	0.31	0.10	0.30	0.10	0.37	0.10	0.32	0.10	0.34	0.10	0.29^	0.10	0.38	0.10	0.37	0.10	0.31	0.10	0.29	0.10	0.32	0.10	0.37	0.10	0.38	0.10	0.33	0.10	0.35	0.10	0.38	0.10	0.30	0.10	0.34	0.10	0.39	0.10	0.34	0.10	0.31	0.10	0.30	0.10	0.28
Iron	5.0	0.10	ND	0.10	ND	0.50	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.23	0.10	ND	0.10	0.42	0.10	0.15	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.17	0.10	ND	0.10	ND	0.10	ND	0.10	0.12	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0008	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.023	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.052	0.0025	0.0047	0.013	ND	0.0025	0.0053	0.0025	0.0047	0.0025	ND	0.0025	0.014	0.0025	ND	0.0025	0.042	0.0025	0.016	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.27	0.0025	ND	0.0025	0.49	0.0025	0.040	0.0025	0.0034	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	0.0022	0.0020	ND	0.010	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0025	0.0020	0.0020	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0020	0.0020	0.16	0.0020	0.0097	0.0020	0.0099	0.0020	0.0028	0.0020	0.0028	0.0020	0.0031	0.0020	0.0020	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	0.39	0.10	1.1	0.10	0.92	0.10	0.31	0.10	0.60	0.10	0.30	0.10	ND	0.10	0.36	0.10	0.46	0.10	1.1	0.10	1.4	0.10	0.28	0.10	0.79	0.10	1.4	0.10	1.3	0.10	0.25	0.10	0.59	0.10	ND	0.10	1.1	0.10	0.15	0.10	0.48	0.10	1.8	0.10	1.4	0.10	0.69	0.10	0.58	0.10	1.2	0.10	1.1
Nitrogen/Nitrate, Nitrite	NA	0.10	0.39	0.10	1.1	0.10	0.92	0.10	0.31	0.10	0.60	0.10	0.30	0.10	ND	0.10	0.36	0.10	0.46	0.10	1.1	0.10	1.4	0.10	0.28	0.10	0.79	0.10	1.4	0.10	1.3	0.10	0.25	0.10	0.59	0.10	ND	0.10	1.1	0.10	0.15	0.10	0.48	0.10	1.8	0.10	1.4	0.10	0.69	0.10	0.58	0.10	1.2	0.10	1.1
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.004	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	0.027	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.20	ND	0.0040	ND	0.0040	ND
Selenium	0.05	0.0025	ND	0.0025	0.0054	0.013	ND	0.0025	0.0026	0.0025	0.0033	0.0025	0.0043	0.0025	0.0028	0.0025	ND	0.0025	ND	0.0025	0.0043	0.0025	0.0034	0.0025	ND	0.0025	0.0041	0.0025	0.0043	0.0025	0.0069	0.0025	0.0040	0.0025	ND	0.0025	0.0035	0.0025	0.0050	0.0025	ND	0.0025	0.0040	0.0025	0.0033	0.0025	0.0046	0.0025	ND	0.0025	0.0025	0.0025	0.0034
Silver	0.05	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	50	140	50	150	25	110	25	110	50	160	25	140	50	150	50	100	50	150	50	110	25	100	25	100	25	110	25	130	25	100	25	91	50	120	100	290	25	84	50	110	50	170	50	140	50	150	50	120	25	130	25	90	25	100
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	770	10	1000	10	710	10	590	10	790	10	850	10	760	10	740	10	730	10	770	10	670	10	570	10	690	10	1100	10	850	10	720	10	580	10	1300	10	860	10	700	10	740	10	880	10	920	10	660	10	640	10	830	10	620
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0050	0.0050	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.10	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.056	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0025	NS	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	0.00094	0.002	ND	0.002	0.0023	0.002	ND	0.002	ND
pH	6.5 - 9.0	NA	7.72	NA	7.23	NA	7.60	NA	7.38	NA	7.46	NA	7.38	NA	7.37	NA	7.36	NA	7.36	NA	7.60	NA	7.11	NA	7.33	NA	7.16	NA	9.25	NA	7.17	NA	6.78	NA	7.29	NA	7.16	NA	7.42	NA	7.40	NA	7.26	NA	7.15	NA	7.24	NA	7.20	NA	7.18	NA	7.21	NA	7.47
Temperature	NA	NA	11.97	NA	13.49	NA	11.69	NA	12.18	NA	13.15	NA	14.22	NA	15.30	NA	13.23	NA	12.83	NA	10.60	NA	12.10	NA	14.41	NA	15.41	NA	10.38	NA	10.97	NA	16.58	NA	15.17	NA	8.04	NA	17.77	NA	17.05	NA	12.34	NA	6.49	NA	14.15	NA	18.10	NA	16.36	NA	12.91	NA	17.52
Conductivity	NA	NA	1.32	NA	1.69	NA	1.14	NA	0.79	NA	0.92	NA	1.12	NA	0.97	NA	0.97	NA	0.89	NA	0.96	NA	0.774	NA	0.68	NA	0.95	NA	1.20	NA	1.25	NA	0.90	NA	0.95	NA	1.32	NA	1.45	NA	1.08	NA	1.13	NA	0.87	NA	1.19	NA	1.03	NA	0.88	NA	1.04	NA	0.98
Dissolved Oxygen	NA	NA	NM	NA	7.23	NA	8.65	NA	6.28	NA	6.74	NA	7.37	NA	7.09	NA	6.71	NA	8.66	NA	7.99	NA	5.38	NA	5.69	NA	3.26	NA	4.81	NA	6.31	NA	5.14	NA	3.80	NA	2.98	NA	5.44	NA	1.52	NA	8.45	NA	8.32	NA	8.21	NA	6.22	NA	4.89	NA	4.91	NA	6.50
ORP	NA	NA	NM	NA	194.3	NA	200.8	NA	-31.0	NA	136.0	NA	208.0	NA	172.0	NA	172.0	NA	113.0	NA	167.1	NA	2.4	NA	26.5	NA	-58.4	NA	-51.0	NA	106.7	NA	87.8	NA	69.4	NA	108.2	NA	121.5	NA	-25.7	NA	86.5	NA	139.1	NA	48.6	NA	53.3	NA	73.7	NA	133.0	NA	25.2

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits

Temperature °C
Conductivity ms/cm
Dissolved Oxygen mg/L
Oxygen Reduction Potential (ORP) mV

degrees Celcius
millisiemens/centimeters
milligrams/liter
millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Sample: MW-01	Date	12/15/2010		3/25/2011		6/16/2011		9/19/2011		12/12/2011		3/19/2012		6/25/2012		9/18/2012		12/12/2012		2/27/2013		5/29/2013		7/29/2013		10/21/2013		3/6/2014		5/27/2014		8/28/2014		10/29/2014		2/23/2015		5/11/2015		8/18/2015		11/16/2015		2/25/2016		5/20/2016		8/17/2016		11/16/2016		2/14/2017		5/3/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	NP	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.0050	ND	0.003	ND	0.0030	0.0048	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	0.001	0.001	ND	0.0050	ND	0.001	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND
Barium	2.0	NP	0.044	0.001	0.026	0.001	0.034	0.001	0.056	0.001	0.044	0.001	0.038	0.001	0.06	0.001	0.074	0.20	ND	0.001	0.08	0.0025	0.078	0.0025	0.081	0.0025	0.070	0.0025	0.064	0.0025	0.041	0.0025	0.046	0.0025	0.049	0.0025	0.037	0.0025	0.038	0.0025	0.065	0.0025	0.054	0.0025	0.049	0.0025	0.052	0.0025	0.046	0.0025	0.044	0.0025	0.036	0.0025	0.032
Beryllium	0.004	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND
Boron	2.0	NP	0.45	0.01	0.26	0.01	0.33	0.01	1.0	0.01	0.48	0.01	0.29	0.01	0.46	0.01	1.8	2.0	ND	0.01	1.7	0.050	0.47	0.050	0.48	0.050	0.62	0.050	0.53	0.050	0.26	0.050	0.16	0.050	0.075	0.050	0.059	0.050	0.087	0.050	0.30	0.050	0.94	0.050	0.26	0.050	0.31	0.050	0.27	0.050	0.17	0.050	0.14	0.050	0.17
Cadmium	0.005	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	NP	46	10	37	10	40	10	41	10	26	10	53	10	42	10	43	10	41	10	38	10	160	10	140	2.0	46	2.0	48	2.0	73	2.0	58	2.0	42	2.0	37	2.0	67	2.0	58	2.0	44	2.0	42	2.0	44	2.0	40	2.0	39	2.0	55	2.0	58
Chromium	0.1	NP	ND	0.004	ND	0.004	ND	0.004	ND	0.004	ND	0.004	ND	0.004	ND	0.004	ND	0.0030	0.014	0.004	0.0076	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND^	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	NP	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.0030	ND	0.002	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	NP	ND	0.003	ND	0.003	ND	0.003	0.0057	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.010	ND	0.003	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND^	0.0020	ND	0.0020	ND ^	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	NP	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0077	0.0050	ND	0.0050	ND	0.0050	ND	0.005	ND	0.010	ND	0.010	0.011	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	NP	0.28	0.25	0.32	0.25	0.38	0.25	ND	0.25	ND	0.25	ND	0.25	ND	0.25	ND	0.25	ND	0.25	ND	0.10	0.12	0.10	0.16	0.10	0.11	0.10	0.10	0.10	0.13	0.10	0.15	0.10	0.18	0.10	0.17	0.10	0.23	0.10	0.16	0.10	0.18	0.10	0.16	0.10	0.17	0.10	0.24	0.10	0.23	0.10	0.42	0.10	0.16
Iron	5.0	NP	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	0.17	0.01	ND	0.10	0.43	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Lead	0.0075	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0050	ND	0.001	ND	0.00050	0.00080	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	0.0027	0.0020	0.018	0.001	ND	0.0025	0.027	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0043	0.0025	ND	0.0025	0.0028	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0054
Mercury	0.002	NP	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND F2	0.00020	ND
Nickel	0.1	NP	0.01	0.005	0.008	0.005	ND	0.005	0.0069	0.005	0.0095	0.005	ND	0.005	0.0066	0.005	0.01	0.010	ND	0.005	0.0062	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	NP	7.2	0.20	4.3	0.20	5.7	0.20	11	0.20	4.1	0.20	7.3	0.20	6.5	0.20	5.4	0.20	7.2	0.2	7.4	0.10	0.23	0.10	0.42	0.10	4.5	0.10	4.7	0.10	2.2	0.10	1.5	0.10	4.4	0.10	4.1	0.10	2.6	0.10	0.27	0.10	4.3	0.10	3.6	0.10	4.9	0.10	5.7	0.10	5.2	0.10	6.4	0.10	4.6
Nitrogen/Nitrate, Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.10	0.23	0.10	0.42	0.50	4.5	0.50	4.7	0.50	2.2	0.10	1.5	0.50	4.4	0.50	4.1	0.20	2.6	0.10	0.27	0.50	4.3	0.20	3.6	0.50	4.9	0.50	5.7	0.50	5.2	0.50	6.4	0.50	4.6
Nitrogen/Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	NP	0.0016	0.001	0.0022	0.001	0.0016	0.001	0.0036	0.001	0.0027	0.001	0.0025	0.001	0.0042	0.001	0.005	0.0050	ND	0.001	0.0045	0.0025	ND	0.0025	ND	0.0025	0.0042	0.0025	0.0040	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0037	0.0025	ND	0.0025	ND	0.0025	ND ^	0.0025	ND
Silver	0.05	NP	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.010	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	NP	50	10	30	10	39	10	83	10	31	10	61	10	68	25	72	10	91	10	77	100	330	50	270	20	85	20	99	20	51	10	36	20	54	10	43	10	50	20	55	20	66	10	57	10	59	10	51	10	55	10	58	10	40
Thallium	0.002	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	NP	490	17	340	17	410	17	510	17	440	17	470	17	580	17	710	26	640	26	640	10	840	10	870	10	660	10	590	10	440	10	350	10	410	10	470	10	450	10	650	10	510	10	460	10	500	10	620	10	480	10	500	10	470
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.005	ND	0.005	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	NP	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.020	ND	0.006	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.005	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0016	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.03	ND	0.03	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0053	0.0025	ND	0.0025	0.0038	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	7.46	NA	7.43	NA	7.58	NA	7.37	NA	6.39	NA	7.59	NA	7.45	NA	7.06	NA	6.98	NA	9.53	NA	7.00	NA	6.75	NA	7.12	NA	7.65	NA	7.15	NA	7.25	NA	7.25	NA	6.93	NA	7.39	NA	6.89	NA	7.07	NA	7.23	NA	6.95	NA	7.16	NA	7.22	NA	7.30	NA	7.41
Temperature	NA	NA	10.47	NA	3.77	NA	9.71	NA	18.42	NA	10.85	NA	7.33	NA	17.97	NA	15.74	NA	13.58	NA	11.00	NA	10.71	NA	15.64	NA	15.06	NA	9.08	NA	18.25 *	NA	21.57	NA	17.15	NA	1.92	NA	14.01	NA	22.91	NA	13.85	NA	7.82	NA	14.70	NA	24.92	NA	18.68	NA	10.70	NA	9.68
Conductivity	NA	NA	0.92	NA	0.64	NA	0.69	NA	0.74	NA	0.56	NA	0.53	NA	0.79	NA	0.92	NA	0.85	NA	0.88	NA	0.94	NA	1.06	NA	0.88	NA	0.55	NA	0.73	NA	0.71	NA	0.92	NA	0.44	NA	0.65	NA	1.01	NA	0.68	NA	0.57	NA	0.62	NA	0.74	NA	0.62	NA	0.59	NA	0.54
Dissolved Oxygen	NA	NA	NM	NA	7.76	NA	4.61	NA	4.57	NA	5.21	NA	8.46	NA	0.66	NA	3.34	NA	3.04	NA	3.03	NA	3.10	NA	2.03	NA	1.33	NA	3.25	NA	5.05	NA	0.94	NA	1.63	NA	9.99	NA	4.82	NA	2.51	NA	1.62	NA	3.74	NA	5.69	NA	1.53	NA	3.11	NA	6.64	NA	7.36
ORP	NA	NA	NM	NA	140.1	NA	209.8	NA	-98	NA	13	NA	242	NA	43	NA	165	NA	130	NA	94	NA	30.4	NA	58.8	NA	-127	NA	-37.2	NA	-14.1	NA	21.5	NA	-3.6	NA	150.7	NA	53.6	NA	-15.3	NA	118.2	NA	47.3	NA	38.8	NA	10.1	NA	10.7	NA	21.7	NA	-46.6

Notes: Standards obtained from IAC., Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.
Samples for inorganics were filtered.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured
NP - Not Provided

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value
F1 - MS and/or MSD Recovery outside of limits.

Temperature °C degrees Celcius
Conductivity mS/cm millisiemens/centimeters
Dissolved Oxygen mg/L milligrams/liter
Oxygen Reduction Potential (ORP) mV millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Sample: MW-02	Date	12/15/2010		3/25/2011		6/16/2011		9/19/2011		12/12/2011		3/19/2012		6/25/2012		9/18/2012		12/12/2012		2/27/2013		5/29/2013		7/29/2013		10/21/2013		3/5/2014		5/27/2014		8/25/2014		10/27/2014		2/25/2015		5/13/2015		8/17/2015		11/17/2015		2/23/2016		5/17/2016		8/16/2016		11/15/2016		2/14/2017		5/1/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	NP	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.0050	ND	0.003	ND	0.0030	0.015	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	NP	0.0018	0.001	0.0015	0.001	0.0017	0.001	ND	0.001	ND	0.001	ND	0.001	0.0011	0.001	0.0012	0.0050	ND	0.001	0.0011	0.0010	0.0010	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0015	0.0010	0.0016	0.0010	0.0017	0.0010	ND	0.0010	0.0013	0.0010	0.0010	0.0010	ND	0.0010	0.0015	0.0010	0.0013	0.0010	0.0012
Barium	2.0	NP	0.042	0.001	0.025	0.001	0.053	0.001	0.059	0.001	0.066	0.001	0.049	0.001	0.064	0.001	0.06	0.040	0.075	0.001	0.035	0.0025	0.053	0.0025	0.078	0.0025	0.088	0.0025	0.046	0.0025	0.069	0.0025	0.071	0.0025	0.067	0.0025	0.051	0.0025	0.055	0.0025	0.072	0.0025	0.066	0.0025	0.058	0.0025	0.061	0.0025	0.050	0.0025	0.057	0.0025	0.046	0.0025	0.050
Beryllium	0.004	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND
Boron	2.0	NP	0.38	0.01	0.23	0.01	0.35	0.01	0.83	0.01	0.69	0.01	0.27	0.01	0.74	0.01	0.65	0.40	0.8	0.01	0.29	0.050	0.21	0.050	1.4	0.050	2.7	0.050	0.28	0.050	0.38	0.050	1.1	0.050	0.078	0.050	0.082	0.050	0.11	0.050	0.41	0.050	0.50	0.050	0.24	0.050	0.30	0.050	0.32	0.050	0.15	0.050	0.16	0.050	0.21
Cadmium	0.005	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	NP	45	10	43	10	44	10	46	10	40	10	53	10	51	10	45	10	48	10	52	2.0	53	2.0	48	10	90	10	88	10	91	2.0	58 ^	2.0	44	2.0	54	10	92	2.0	51	2.0	45	2.0	45	2.0	47	2.0	39	2.0	39	2.0	50	2.0	56
Chromium	0.1	NP	ND	0.004	ND	0.004	ND	0.004	ND	0.004	ND	0.004	ND	0.004	ND	0.004	ND	0.0030	0.0096	0.004	0.0042	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND^	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	NP	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.0030	ND	0.002	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	NP	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.010	ND	0.003	ND	0.0020	0.0021	0.0020	ND	0.0020	ND	0.0020	ND^	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	NP	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.005	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	0.024	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	NP	ND	0.25	0.30	0.25	0.35	0.25	ND	0.25	ND	0.25	ND	0.25	ND	0.25	ND	0.25	0.28	0.25	ND	0.10	0.32	0.10	0.19	0.10	0.17	0.10	0.19	0.10	0.18	0.10	0.19	0.10	0.22	0.10	0.17	0.10	0.22	0.10	0.22	0.10	0.18	0.10	0.16	0.10	0.23	0.10	0.24	0.10	0.19	0.10	0.22	0.10	0.15
Iron	5.0	NP	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	0.046	0.01	0.026	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Lead	0.0075	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0050	ND	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0013	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	NP	ND	0.001	0.0012	0.001	0.0022	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	0.0019	0.0020	0.0063	0.001	ND	0.0025	ND	0.0025	0.0060	0.0025	0.0060	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.015	0.0025	0.0027	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Mercury	0.002	NP	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND F2	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	NP	0.0086	0.005	0.0096	0.005	0.0053	0.005	0.01	0.005	0.0073	0.005	ND	0.005	0.0065	0.005	0.0066	0.010	ND	0.005	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	NP	7.5	0.20	4.5	0.20	4.7	0.20	4.3	0.20	6.9	0.20	5.1	0.20	4.4	0.20	2.9	0.20	2.4	0.2	5.7	0.10	0.44	0.10	0.59	0.10	1.1	0.10	2.4	0.10	4.0	0.10	0.28	0.10	4.3	0.10	5.9	0.10	1.2	0.10	ND	0.10	3.2	0.10	2.9	0.10	4.1	0.10	2.7	0.10	4.5	0.10	4.1	0.10	0.78
Nitrogen/Nitrate, Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.10	0.48	0.10	0.59	0.10	1.1	0.50	2.4	0.50	4.0	0.10	0.28	0.50	4.3	0.50	5.9	0.10	1.2	0.10	ND ^	0.20	3.2	0.20	2.9	0.50	4.1	0.50	2.7	0.50	4.5	0.50	4.1	0.10	0.78
Nitrogen/Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.020	0.041	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	NP	0.0017	0.001	0.0032	0.001	0.0014	0.001	0.0032	0.001	0.0037	0.001	ND	0.001	0.0039	0.001	0.0016	0.0050	ND	0.001	0.0032	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND ^	0.0025	ND
Silver	0.05	NP	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.010	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	NP	52	10	42	10	53	10	70	10	69	10	55	10	73	10	69	10	95	10	53	20	96	25	140	50	190	10	53	20	63	20	76	20	49	10	57	10	41	10	53	20	77	20	73	10	54	10	39	10	53	10	50	25	60
Thallium	0.002	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	NP	480	17	420	17	470	17	460	17	490	17	440	17	500	17	510	26	520	26	440	10	340	10	560	10	770	10	430	10	440	10	460	10	440	10	510	10	490	10	540	10	480	10	440	10	470	10	370	10	470	10	510	10	500
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0080	ND	0.005	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	NP	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	0.013	0.006	ND	0.006	ND	0.020	ND	0.006	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.005	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.03	ND	0.03	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	7.91	NA	7.78	NA	7.20	NA	7.52	NA	6.41	NA	7.92	NA	7.35	NA	7.32	NA	7.38	NA	7.53	NA	7.39	NA	7.03	NA	7.20	NA	8.21	NA	7.19	NA	7.01	NA	7.37	NA	8.13	NA	7.86	NA	7.28	NA	7.12	NA	7.28	NA	7.33	NA	7.29	NA	7.50	NA	6.18	NA	7.99
Temperature	NA	NA	14.01	NA	3.26	NA	13.14	NA	14.75	NA	9.58	NA	9.56	NA	14.90	NA	17.12	NA	12.33	NA	13.30	NA	20.87	NA	17.02	NA	12.34	NA	6.67	NA	15.72 *	NA	20.87	NA	17.43	NA	2.61	NA	12.12	NA	24.86	NA	13.93	NA	5.47	NA	11.12	NA	10.65	NA	11.20	NA	5.17	NA	10.37
Conductivity	NA	NA	0.96	NA	0.74	NA	0.75	NA	0.64	NA	0.59	NA	0.56	NA	0.66	NA	0.68	NA	0.68	NA	0.54	NA	0.56	NA	0.74	NA	0.80	NA	0.40	NA	0.69	NA	0.76	NA	0.78	NA	0.49	NA	0.66	NA	0.86	NA	0.64	NA	0.47	NA	0.55	NA	0.56	NA	0.53	NA	0.50	NA	0.56
Dissolved Oxygen	NA	NA	NM	NA	7.73	NA	0.58	NA	0.28	NA	3.34	NA	3.91	NA	0.78	NA	0.53	NA	2.03	NA	10.89	NA	0.65	NA	0.47	NA	0.32	NA	7.92	NA	0.55	NA	0.46	NA	2.96	NA	11.55	NA	1.99	NA	1.52	NA	8.66	NA	4.93	NA	2.58	NA	1.89	NA	6.05	NA	5.00	NA	3.26
ORP	NA	NA	NM	NA	124.5	NA	226.3	NA	-196	NA	63	NA	272	NA	168	NA	157	NA	200	NA	185.2	NA	-34.5	NA	33.9	NA	-180.3	NA	-53	NA	72.5	NA	35.9	NA	60.1	NA	113.1	NA	87.3	NA	-37.7	NA	112.9	NA	36.9	NA	27.6	NA	-32.8	NA	13.2	NA	235.1	NA	-51.6

Notes: Standards obtained from IAC., Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.
Samples for inorganics were filtered.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured
NP - Not Provided

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value
F1 - MS and/or MSD Recovery outside of limits.

Temperature °C degrees Celcius
Conductivity ms/cm millisiemens/centimeters
Dissolved Oxygen mg/L milligrams/liter
Oxygen Reduction Potential (ORP) mV millivolts

Sample: MW-03	Date	12/15/2010		3/25/2011		6/16/2011		9/19/2011		12/12/2011		3/19/2012		6/25/2012		9/18/2012		12/12/2012		2/27/2013		5/29/2013		7/31/2013		10/21/2013		3/5/2014		5/27/2014		8/25/2014		10/27/2014		2/25/2015		5/13/2015		8/17/2015		11/17/2015		2/23/2016		5/17/2016		8/16/2016		11/15/2016		2/14/2017		5/1/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	NP	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.0050	ND	0.003	ND	0.0030	0.0057	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	NP	0.0017	0.001	ND	0.001	0.0011	0.001	0.0012	0.001	0.0012	0.001	0.0012	0.001	ND	0.001	0.0015	0.0050	ND	0.001	0.0013	0.0010	0.0012	0.0010	0.0013	0.0010	0.0011	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0010	0.0010	0.0017	0.0010	ND	0.0010	0.0014	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^
Barium	2.0	NP	0.038	0.001	0.03	0.001	0.063	0.001	0.081	0.001	0.076	0.001	0.052	0.001	0.059	0.001	0.1	0.040	0.11	0.001	0.056	0.0025	0.061	0.0025	0.064	0.0025	0.099	0.0025	0.056	0.0025	0.052	0.0025	0.070	0.0025	0.063	0.0025	0.048	0.0025	0.045	0.0025	0.054	0.0025	0.061	0.0025	0.042	0.0025	0.051	0.0025	0.058	0.0025	0.054	0.0025	0.059	0.0025	0.057
Beryllium	0.004	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	NP	0.75	0.01	0.18	0.01	0.24	0.01	0.64	0.01	0.7	0.01	0.56	0.01	0.63	0.01	0.64	0.40	0.63	0.01	0.65	0.050	0.21	0.050	0.47	0.050	0.46	0.050	0.14	0.050	0.15	0.050	0.37	0.050	0.14	0.050	0.32	0.050	0.086	0.050	0.34	0.050	0.30	0.050	0.42	0.050	0.28	0.050	0.30	0.050	0.31	0.050	0.19	0.050	0.24
Cadmium	0.005	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	NP	39	10	52	10	59	10	62	10	39	10	54	10	57	10	54	10	58	10	53	2.0	55	2.0	60	2.0	57	10	120	10	100	10	79	2.0	47	2.0	47	2.0	48	2.0	45	2.0	43	2.0	46	2.0	46	2.0	44	2.0	39	2.0	47	2.0	55
Chromium	0.1	NP	ND	0.004	ND	0.004	ND	0.004	ND	0.004	ND	0.004	ND	0.004	ND	0.004	ND	0.0030	0.0086	0.004	0.005	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND^	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	NP	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.0030	ND	0.002	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	NP	ND	0.003	ND	0.003	ND	0.003	0.012	0.003	0.0042	0.003	ND	0.003	ND	0.003	ND	0.010	ND	0.003	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND^	0.0020	0.0057	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	NP	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.005	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	0.011	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	NP	0.3	0.25	0.35	0.25	0.41	0.25	0.35	0.25	ND	0.25	ND	0.25	ND	0.25	0.29	0.25	0.35	0.25	ND	0.10	0.31	0.10	0.28	0.10	0.26	0.10	0.24	0.10	0.23	0.10	0.25	0.10	0.25	0.10	0.23	0.10	0.22	0.10	0.30	0.10	0.29	0.10	0.23	0.10	0.20	0.10	0.22	0.10	0.24	0.10	0.24	0.10	0.21
Iron	5.0	NP	ND	0.010	ND	0.010	ND	0.010	0.042	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	0.036	0.01	0.019	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Lead	0.0075	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0050	ND	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00097	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	NP	0.0047	0.001	0.0023	0.001	ND	0.001	0.0037	0.001	0.0014	0.001	ND	0.001	0.0033	0.001	0.002	0.0020	0.034	0.001	0.011	0.0025	ND	0.0025	ND	0.0025	0.0039	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.016	0.0025	0.0031	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Mercury	0.002	NP	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	NP	0.011	0.005	0.0095	0.005	ND	0.005	0.008	0.005	0.0078	0.005	ND	0.005	0.005	0.005	0.0067	0.010	ND	0.005	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0036	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	NP	9.4	0.20	5.2	0.20	5.4	0.02	0.20	0.02	0.20	0.20	2.1	0.02	0.37	0.02	0.08	0.02	0.13	0.2	2.00	0.10	0.15	0.10	ND	0.10	ND	0.10	2.6	0.10	5.3	0.10	ND	0.10	2.4	0.10	2.0	0.10	2.7	0.10	ND	0.10	0.19	0.10	0.95	0.10	0.70	0.10	0.98	0.10	3.7	0.10	4.6	0.10	1.2
Nitrogen/Nitrate, Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.10	0.15	0.10	ND	0.10	ND	0.50	2.6	0.50	5.3	0.10	ND	0.50	2.4	0.10	2.0	0.20	2.7	0.10	ND ^	0.10	0.19	0.10	0.95	0.10	0.70	0.10	0.98	0.20	3.7	0.50	4.6	0.10	1.2
Nitrogen/Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	NP	ND	0.001	0.0036	0.001	0.0015	0.001	0.0036	0.001	0.0021	0.001	0.0067	0.001	0.0018	0.001	0.0033	0.0050	ND	0.001	0.0048	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0046	0.0025	ND	0.0025	0.0044	0.0025	ND	0.0025	0.0036	0.0025	ND	0.0025	ND	0.0025	ND
Silver	0.05	NP	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.010	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	NP	64	10	42	10	47	10	66	10	45	10	72	10	84	10	74	10	74	10	64	20	82	20	99	20	96	20	65	20	65	25	100	10	40	10	46	10	39	10	48	20	50	20	77	20	78	20	74	10	46	10	50	20	54
Thallium	0.002	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	NP	480	17	430	17	440	17	460	17	480	17	450	17	520	17	520	26	460	26	500	10	310	10	460	10	430	10	490	10	440	10	490	10	440	10	400	10	380	10	420	10	380	10	400	10	450	10	530	10	450	10	460	10	510
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0080	ND	0.005	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	NP	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	0.012	0.006	ND	0.006	ND	0.020	ND	0.006	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.14	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.005	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.002	0.00050	ND	0.0005	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.03	ND	0.03	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0012	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0054	0.0025	ND	0.0025	0.00074	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	7.43	NA	7.55	NA	7.33	NA	7.30	NA	6.58	NA	7.38	NA	7.36	NA	7.46	NA	7.41	NA	7.46	NA	7.31	NA	7.22	NA	7.25	NA	8.34	NA	7.27	NA	6.97	NA	7.43	NA	7.75	NA	7.63	NA	7.63	NA	7.12	NA	7.41	NA	6.99	NA	7.23	NA	7.33	NA	7.49	NA	7.54
Temperature	NA	NA	17.07	NA	5.24	NA	15.72	NA	21.59	NA	18.58	NA	15.50	NA	15.26	NA	15.10	NA	14.28	NA	13.60	NA	21.93	NA	24.89	NA	20.22	NA	7.08	NA	16.70	NA	19.57	NA	19.36	NA	8.51	NA	10.39	NA	25.85	NA	19.09	NA	6.10	NA	8.82	NA	15.65	NA	14.93	NA	11.71	NA	11.66
Conductivity	NA	NA	0.90	NA	0.74	NA	0.73	NA	0.76	NA	0.72	NA	0.65	NA	0.67	NA	0.68	NA	0.66	NA	0.73	NA	0.56	NA	0.76	NA	0.70	NA	0.43	NA	0.66	NA	0.83	NA	0.79	NA	0.49	NA	0.53	NA	0.74	NA	0.60	NA	0.44	NA	0.49	NA	0.59	NA	0.53	NA	0.55	NA	0.55
Dissolved Oxygen	NA	NA	NM	NA	7.20	NA	0.40	NA	0.32	NA	0.99	NA	4.95	NA	3.02	NA	5.22	NA	2.50	NA	6.10	NA	0.40	NA	0.24	NA	0.35	NA	5.08	NA	4.83	NA	0.48	NA	2.33	NA	3.65	NA	6.34	NA	3.10	NA	1.01	NA	9.60	NA	3.67	NA	2.52	NA	3.56	NA	2.04	NA	5.97
ORP	NA	NA	NM	NA	135.1	NA	220.5	NA	-218	NA	29	NA	157	NA	125	NA	180	NA	90	NA	140.31	NA	-101.8	NA	-44.7	NA	-160.1	NA	-60.3	NA	117.3	NA	45	NA	52	NA	102.3	NA	107.9	NA	-35.7	NA	92.5	NA	36.1	NA	70.1	NA	2.8	NA	22.1	NA	118.3	NA	-1.0

Notes: Standards obtained from IAC., Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.
Samples for inorganics were filtered.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured
NP - Not Provided

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value
F1 - MS and/or MSD Recovery outside of limits.

Temperature °C degrees Celcius
Conductivity m/cm millisiemens/centimeters
Dissolved Oxygen mg/L milligrams/liter
Oxygen Reduction Potential (ORP) mV millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Sample: MW-04	Date	12/15/2010		3/25/2011		6/16/2011		9/19/2011		12/12/2011		3/19/2012		6/25/2012		9/18/2012		12/12/2012		2/27/2013		5/29/2013		7/31/2013		10/21/2013		3/5/2014		5/27/2014		8/25/2014		10/27/2014		2/25/2015		5/13/2015		8/17/2015		11/17/2015		2/23/2016		5/17/2016		8/16/2016		11/15/2016		2/14/2017		5/1/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	NP	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.0050	ND	0.003	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	0.0012	0.0050	ND	0.001	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND
Barium	2.0	NP	0.055	0.001	0.052	0.001	0.058	0.001	0.041	0.001	0.048	0.001	0.043	0.001	0.04	0.001	0.07	0.040	0.09	0.001	0.054	0.0025	0.030	0.0025	0.048	0.0025	0.062	0.0025	0.039	0.0025	0.054	0.0025	0.055	0.0025	0.070	0.0025	0.025	0.0025	0.025	0.0025	0.027	0.0025	0.030	0.0025	0.028	0.0025	0.037	0.0025	0.035	0.0025	0.026	0.0025	0.022	0.0025	0.029
Beryllium	0.004	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND
Boron	2.0	NP	0.77	0.01	0.83	0.01	0.33	0.01	0.84	0.01	0.79	0.01	0.78	0.01	0.83	0.01	0.76	0.40	0.74	0.01	0.97	0.050	0.23	0.050	0.67	0.050	0.81	0.050	0.81	0.050	0.94	0.050	1.0	0.050	0.77	0.050	0.94	0.050	0.80	0.050	0.44	0.050	0.51	0.050	0.43	0.050	0.60	0.050	0.90	0.10	0.79	0.050	0.48	0.050	0.55
Cadmium	0.005	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	NP	150	10	77	10	43	25	86	1.0	8.1	10	58	10	75	25	110	25	130	10	90	2.0	54	2.0	70	10	150	10	130	10	92	10	95	10	96	10	74	2.0	65	2.0	47	2.0	74	2.0	47	2.0	60	2.0	59	2.0	53	2.0	56	2.0	58
Chromium	0.1	NP	0.0045	0.004	ND	0.004	ND	0.004	0.0044	0.004	ND	0.004	ND	0.004	ND	0.004	0.0045	0.0030	0.01	0.004	0.0052	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND^	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	NP	ND	0.002	0.0026	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.0030	ND	0.002	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	NP	ND	0.003	ND	0.003	ND	0.003	0.0033	0.003	0.01	0.003	ND	0.003	ND	0.003	ND	0.010	ND	0.003	ND	0.0020	ND	0.0020	0.0024	0.0020	0.0025	0.0020	ND^	0.0020	ND	0.0020	0.0021	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0021	0.0020	ND	0.0020	ND	0.0020	0.0020	0.0020	ND	0.0020	ND
Cyanide	0.2	NP	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	NP	0.3	0.25	0.39	0.25	0.43	0.25	0.31	0.25	ND	0.25	ND	0.25	ND	0.25	0.26	0.25	0.29	0.25	ND	0.10	0.39	0.10	0.31	0.10	0.21	0.10	0.29	0.10	0.23	0.10	0.25	0.10	0.21	0.10	0.32	0.10	0.26	0.10	0.30	0.10	0.26	0.10	0.22	0.10	0.25	0.10	0.28	0.10	0.27	0.10	0.25	0.10	0.19
Iron	5.0	NP	ND	0.010	0.017	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	0.14	0.01	0.059	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Lead	0.0075	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0050	ND	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	NP	0.77	0.001	0.68	0.001	0.41	0.001	0.69	0.001	0.35	0.001	0.089	0.001	0.26	0.001	0.50	0.0020	0.027	0.001	0.007	0.0025	ND	0.0025	0.13	0.0025	0.27	0.0025	0.026	0.0025	0.029	0.0025	0.24	0.0025	0.075	0.0025	0.018	0.0025	ND	0.0025	0.015	0.0025	0.14	0.0025	ND	0.0025	0.0041	0.0025	0.025	0.0025	0.22	0.0025	0.19	0.0025	ND
Mercury	0.002	NP	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	NP	0.012	0.005	0.012	0.005	0.0067	0.005	0.011	0.005	0.01	0.005	0.0055	0.005	0.0074	0.005	0.0095	0.010	ND	0.005	ND	0.0020	ND	0.0020	0.0023	0.0020	0.0039	0.0020	ND	0.0020	0.0024	0.0020	0.0020	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0021	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	NP	0.34	0.02	0.73	0.20	2.7	0.02	0.06	0.02	0.07	0.02	0.65	0.02	1.1	0.02	0.46	0.02	1.0	0.02	1.8	0.10	ND	0.10	ND	0.10	0.50	0.10	ND	0.10	ND	0.10	ND	0.10	0.14	0.10	0.30	0.10	ND	0.10	ND	0.10	0.85	0.10	0.45	0.10	ND	0.10	1.3	0.10	ND	0.10	0.64	0.10	0.38
Nitrogen/Nitrate, Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.10	ND	0.10	ND	0.10	0.50	0.10	ND	0.10	ND	0.10	ND	0.10	0.14	0.10	0.30	0.10	ND	0.10	ND ^	0.10	0.85	0.10	0.45	0.10	ND	0.10	1.3	0.10	ND	0.10	0.64	0.10	0.38
Nitrogen/Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	NP	0.0022	0.001	0.0037	0.001	0.0022	0.001	0.0039	0.001	0.002	0.001	0.0085	0.001	0.0035	0.001	0.0032	0.0050	ND	0.001	0.013	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0033	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0049	0.0025	0.0026
Silver	0.05	NP	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.010	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	NP	110	25	140	10	48	25	61	1.0	6.7	50	160	10	94	25	170	25	150	50	130	20	92	50	190	100	260	50	200	100	320	50	260	100	390	25	100	20	120	10	47	25	75	20	74	20	65	20	61	10	30	20	68	25	67
Thallium	0.002	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	NP	680	17	620	17	470	17	580	17	520	17	660	17	600	17	800	26	720	26	640	10	350	10	670	10	980	10	780	10	980	10	880	10	1100	10	580	10	540	10	470	10	550	10	420	10	480	10	590	10	510	10	510	10	540
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0080	ND	0.005	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	NP	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.020	ND	0.006	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.005	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.03	ND	0.03	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	7.27	NA	7.48	NA	7.26	NA	7.22	NA	6.37	NA	7.24	NA	7.04	NA	7.13	NA	7.14	NA	7.37	NA	7.30	NA	7.02	NA	7.00	NA	8.00	NA	7.04	NA	7.06	NA	7.20	NA	7.63	NA	7.30	NA	7.37	NA	6.72	NA	7.28	NA	7.09	NA	7.07	NA	7.12	NA	7.21	NA	7.34
Temperature	NA	NA	16.30	NA	13.33	NA	17.54	NA	19.07	NA	16.35	NA	12.99	NA	18.12	NA	16.51	NA	14.11	NA	13.20	NA	21.84	NA	26.31	NA	16.83	NA	11.96	NA	17.48 *	NA	24.18	NA	20.48	NA	8.95	NA	13.52	NA	24.79	NA	16.54	NA	6.06	NA	14.14	NA	21.42	NA	17.30	NA	12.11	NA	12.10
Conductivity	NA	NA	1.29	NA	1.06	NA	0.75	NA	0.91	NA	0.76	NA	0.76	NA	0.83	NA	1.05	NA	0.98	NA	0.92	NA	0.58	NA	1.08	NA	1.15	NA	0.81	NA	1.20	NA	1.36	NA	1.62	NA	0.72	NA	0.73	NA	0.79	NA	0.77	NA	0.48	NA	0.67	NA	0.77	NA	0.68	NA	0.64	NA	0.61
Dissolved Oxygen	NA	NA	NM	NA	3.93	NA	0.26	NA	0.18	NA	0.20	NA	1.43	NA	0.33	NA	0.46	NA	4.01	NA	5.93	NA	0.47	NA	0.24	NA	0.53	NA	1.63	NA	2.01	NA	1.23	NA	0.83	NA	1.97	NA	3.05	NA	1.31	NA	6.90	NA	9.71	NA	0.94	NA	2.20	NA	2.26	NA	2.91	NA	5.49
ORP	NA	NA	NM	NA	116.5	NA	202.6	NA	-228	NA	51	NA	212	NA	124	NA	119	NA	130	NA	170.3	NA	-90.1	NA	4.1	NA	-169.7	NA	-57	NA	13.7	NA	53.5	NA	22.9	NA	22.5	NA	72.4	NA	-32.1	NA	88.4	NA	43.8	NA	43.3	NA	-95.2	NA	-43.9	NA	57.7	NA	-4.5

Notes: Standards obtained from IAC., Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.
Samples for inorganics were filtered.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured
NP - Not Provided

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value
F1 - MS and/or MSD Recovery outside of limits.

Temperature °C degrees Celcius
Conductivity mS/cm² millisiemens/centimeters
Dissolved Oxygen mg/L milligrams/liter
Oxygen Reduction Potential (ORP) mV millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Sample: MW-05	Date	12/15/2010		3/25/2011		6/16/2011		9/19/2011		12/12/2011		3/19/2012		6/25/2012		9/18/2012		12/12/2012		2/27/2013		5/29/2013		7/31/2013		10/21/2013		3/5/2014		5/27/2014		8/25/2014		10/27/2014		2/25/2015		5/13/2015		8/17/2015		11/17/2015		2/23/2016		5/17/2016		8/16/2016		11/15/2016		2/14/2017		5/1/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	NP	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.0050	ND	0.003	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	NP	0.0011	0.001	ND	0.001	ND	0.001	ND	0.001	0.001	0.001	ND	0.001	ND	0.001	ND	0.0050	ND	0.001	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND
Barium	2.0	NP	0.053	0.001	0.048	0.001	0.046	0.001	0.071	0.001	0.065	0.001	0.054	0.001	0.058	0.001	0.066	0.040	0.077	0.001	0.061	0.0025	0.089	0.0025	0.092	0.0025	0.088	0.0025	0.059	0.0025	0.052	0.0025	0.069	0.0025	ND	0.0025	0.041	0.0025	0.055	0.0025	0.073	0.0025	0.060	0.0025	0.043	0.0025	0.051	0.0025	0.055	0.0025	0.051	0.0025	0.052	0.0025	0.055
Beryllium	0.004	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND
Boron	2.0	NP	0.95	0.01	0.93	0.01	0.79	0.01	0.79	0.01	0.77	0.01	0.82	0.01	0.74	0.01	0.65	0.40	0.66	0.01	0.66	0.050	0.70	0.050	0.64	0.050	0.83	0.050	0.70	0.050	0.76	0.050	0.71	0.050	ND	0.050	1.1	0.050	0.72	0.050	1.3	0.050	0.74	0.050	0.59	0.050	0.63	0.050	0.66	0.10	0.83	0.050	0.59	0.050	0.68
Cadmium	0.005	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	NP	150	25	120	10	89	25	160	25	140	10	82	50	100	50	150	25	170	50	110	10	92	10	150	10	170	10	120	10	80	10	140	10	120	10	79	10	120	2.0	60	10	110	2.0	54	10	88	10	100	2.0	66	10	98	10	92
Chromium	0.1	NP	0.0044	0.004	0.0042	0.004	ND	0.004	0.0066	0.004	ND	0.004	ND	0.004	ND	0.004	0.0058	0.0030	0.0049	0.004	0.0053	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND^	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	NP	0.0025	0.002	0.0023	0.002	ND	0.002	0.0027	0.002	0.0022	0.002	ND	0.002	ND	0.002	0.002	0.0030	ND	0.002	ND	0.0010	0.0022	0.0010	0.0015	0.0010	0.0015	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	NP	ND	0.003	ND	0.003	ND	0.003	0.0036	0.003	0.0061	0.003	ND	0.003	0.0031	0.003	ND	0.010	ND	0.003	ND	0.0020	ND	0.0020	ND	0.0020	0.0027	0.0020	ND^	0.0020	ND	0.0020	0.0023	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	NP	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.005	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	NP	0.27	0.25	0.36	0.25	0.43	0.25	0.25	0.25	ND	0.25	ND	0.25	ND	0.25	0.32	0.25	0.32	0.25	ND	0.10	0.23	0.10	0.24	0.10	0.24	0.10	0.35	0.10	0.29	0.10	0.32	0.10	0.28	0.10	0.38	0.10	0.37	0.10	0.26	0.10	0.27	0.10	0.27	0.10	0.35	0.10	0.30	0.10	0.25	0.10	0.27	0.10	0.27
Iron	5.0	NP	0.13	0.010	0.050	0.010	0.046	0.010	0.082	0.010	0.036	0.010	ND	0.010	ND	0.010	ND	0.010	0.43	0.01	0.052	0.10	0.20	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Lead	0.0075	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0050	ND	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	NP	0.51	0.001	0.49	0.001	0.48	0.001	0.64	0.001	0.50	0.001	0.26	0.001	0.41	0.001	1.00	0.040	0.59	0.001	0.21	0.0025	0.67	0.0025	0.29	0.0025	0.62	0.0025	0.077	0.0025	0.043	0.0025	0.016	0.0025	ND	0.0025	0.058	0.0025	0.0078	0.0025	0.13	0.0025	0.084	0.0025	0.044	0.0025	0.039	0.0025	0.015	0.0025	0.0040	0.0025	0.0068	0.0025	0.024
Mercury	0.002	NP	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	NP	0.014	0.005	0.013	0.005	0.0077	0.005	0.014	0.005	0.014	0.005	0.008	0.005	0.0095	0.005	0.013	0.010	ND	0.005	0.009	0.0020	0.0055	0.0020	0.0059	0.0020	0.0068	0.0020	0.0038	0.0020	0.0036	0.0020	0.0041	0.0020	ND	0.0020	0.0025	0.0020	0.0023	0.0020	0.0051	0.0020	0.0027	0.0020	0.0032	0.0020	0.0027	0.0020	0.0020	0.0020	ND	0.0020	0.0022
Nitrogen/Nitrate	10.0	NP	ND	0.02	ND	0.02	0.08	0.02	ND	0.02	ND	0.02	1.6	0.02	0.04	0.02	0.04	0.02	0.04	0.02	0.19	0.10	ND	0.10	ND	0.10	0.34	0.10	0.74	0.10	2.2	0.10	0.11	0.10	0.20	0.10	0.74	0.10	ND	0.10	ND	0.10	ND	0.10	0.27	0.10	ND	0.10	ND	0.10	0.12	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.10	ND	0.10	ND	0.10	0.34	0.10	0.77	0.50	2.2	0.10	0.11	0.10	0.20	0.10	0.74	0.10	ND	0.10	ND ^	0.10	ND	0.10	0.27	0.10	ND	0.10	ND	0.10	0.12	0.10	ND
Nitrogen/Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.020	ND	0.020	ND	0.020	0.033	0.020	0.026	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	NP	0.0019	0.001	0.003	0.001	ND	0.001	0.0045	0.001	0.0023	0.001	0.0028	0.001	0.0033	0.001	0.0031	0.0050	ND	0.001	0.0029	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0028	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND ^	0.0025	ND ^	0.0025	ND ^	0.0025	ND	0.0025	ND ^	0.0025	ND
Silver	0.05	NP	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.010	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	NP	160	25	170	25	110	25	250	25	170	25	120	50	130	50	200	25	200	50	180	100	310	100	290	100	260	50	180	50	150	50	200	50	310	20	110	50	150	50	250	50	180	25	130	25	140	50	160	25	94	50	130	50	180
Thallium	0.002	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	NP	740	17	680	17	640	17	890	17	820	17	590	17	700	17	890	26	840	26	790	10	990	10	1000	10	1100	10	840	10	640	10	870	10	910	10	570	10	730	10	860	10	810	10	550	10	690	10	800	10	630	10	720	10	720
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0080	ND	0.005	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	NP	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.020	ND	0.006	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND ^	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.005	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00068	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.03	ND	0.03	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.00278	0.0025	ND	0.0025	0.0011	0.0025	0.0006	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	7.24	NA	7.36	NA	7.29	NA	7.05	NA	6.34	NA	7.14	NA	7.00	NA	6.94	NA	6.94	NA	8.01	NA	6.87	NA	6.82	NA	6.89	NA	7.69	NA	7.01	NA	6.86	NA	7.30	NA	7.52	NA	7.26	NA	7.35	NA	6.65	NA	7.18	NA	7.08	NA	6.85	NA	6.96	NA	7.25	NA	7.60
Temperature	NA	NA	14.80	NA	14.35	NA	15.83	NA	15.80	NA	15.64	NA	17.03	NA	16.99	NA	16.03	NA	14.38	NA	14.50	NA	16.36	NA	17.75	NA	14.79	NA	12.62	NA	20.54	NA	21.14	NA	21.18	NA	5.51	NA	17.46	NA	25.42	NA	15.07	NA	11.30	NA	13.85	NA	19.41	NA	15.32	NA	13.93	NA	12.43
Conductivity	NA	NA	1.33	NA	1.16	NA	1.00	NA	1.21	NA	1.10	NA	0.85	NA	0.94	NA	1.19	NA	1.17	NA	1.17	NA	1.14	NA	1.25	NA	1.33	NA	0.28	NA	1.01	NA	1.28	NA	1.38	NA	0.69	NA	1.06	NA	1.32	NA	1.06	NA	0.75	NA	0.83	NA	1.02	NA	0.77	NA	0.87	NA	0.82
Dissolved Oxygen	NA	NA	NM	NA	3.95	NA	0.07	NA	0.06	NA	0.05	NA	0.07	NA	0.01	NA	0.46	NA	0.40	NA	0.28	NA	0.36	NA	0.32	NA	1.17	NA	0.53	NA	1.01	NA	2.20	NA	2.50	NA	1.54	NA	2.24	NA	1.32	NA	1.99	NA	2.58	NA	2.88	NA	1.33	NA	1.93	NA	3.43
ORP	NA	NA	NM	NA	110.1	NA	70.5	NA	-274	NA	-26	NA	237	NA	128	NA	152	NA	30	NA	99.2	NA	-50.9	NA	55.5	NA	-197	NA	-51	NA	-59.6	NA	64.8	NA	6.8	NA	9.8	NA	23.5	NA	-27.7	NA	-4.8	NA	-103.8	NA	-65.0	NA	-99.8	NA	-34.7	NA	-18.4	NA	-142.5

Notes: Standards obtained from IAC., Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.
Samples for inorganics were filtered.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured
NP - Not Provided

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value
F1 - MS and/or MSD Recovery outside of limits.

Temperature °C degrees Celcius
Conductivity mS/cm² millisiemens/centimeters
Dissolved Oxygen mg/L milligrams/liter
Oxygen Reduction Potential (ORP) mV millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Sample: MW-06	Date	12/15/2010		3/25/2011		6/16/2011		9/19/2011		12/12/2011		3/19/2012		6/25/2012		9/18/2012		12/12/2012		2/27/2013		5/29/2013		7/31/2013		10/23/2013		3/6/2014		5/29/2014		8/27/2014		10/29/2014		2/23/2015		5/11/2015		8/18/2015		11/17/2015		2/23/2016		5/17/2016		8/16/2016		11/16/2016		2/16/2017		5/2/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	NP	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.0050	ND	0.003	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND F1	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	NP	0.0042	0.001	0.0024	0.001	0.0029	0.001	0.0031	0.001	0.0036	0.001	0.002	0.001	0.0021	0.001	0.0022	0.0050	ND	0.001	0.0017	0.0010	0.0027	0.0010	0.0037	0.0010	0.0039	0.0010	0.0010	0.0010	0.20	0.0010	0.0016	0.0010	0.0011	0.0010	ND	0.0010	0.0025	0.0010	0.0016	0.0010	0.0019 F1	0.0010	ND	0.0010	ND	0.0010	0.0022	0.0010	ND	0.0010	ND
Barium	2.0	NP	0.11	0.001	0.092	0.001	0.1	0.001	0.1	0.001	0.12	0.001	0.097	0.001	0.12	0.001	0.11	0.040	0.12	0.001	0.088	0.0025	0.12	0.0025	0.12	0.0025	0.11	0.0025	0.10	0.0025	0.54	0.0025	0.11	0.0025	0.10	0.0025	0.099	0.0025	0.094	0.0025	0.12	0.0025	0.11	0.0025	0.082 F1	0.0025	0.098	0.0025	0.090	0.0025	0.090	0.0025	0.079	0.0025	0.077
Beryllium	0.004	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND
Boron	2.0	NP	0.5	0.01	0.35	0.01	0.43	0.01	0.61	0.01	0.63	0.01	0.39	0.01	0.46	0.01	0.57	0.40	0.45	0.01	0.39	0.050	1.0	0.050	0.62	0.050	0.51	0.050	0.34	0.050	0.35	0.050	0.52	0.050	0.34	0.050	0.34	0.050	0.35	0.050	0.75	0.050	0.51	0.050	0.40 F1	0.050	0.34	0.050	0.41	0.050	0.36	0.050	0.29	0.050	0.36
Cadmium	0.005	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND F1	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	NP	180	50	200	50	160	50	210	50	150	50	150	50	200	50	190	50	240	50	200	10	99	10	200	10	210	10	230	10	230	10	230 ^	10	240	10	110	10	230	10	170	10	210	10	200	200 F1	10	210	10	180 F1	10	190	10	180
Chromium	0.1	NP	0.006	0.004	0.0083	0.004	0.0045	0.004	0.0085	0.004	0.0056	0.004	ND	0.004	0.0054	0.004	0.0072	0.0030	0.0077	0.004	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND^	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND F1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	NP	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.0030	ND	0.002	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0068	0.0010	ND	0.0010	ND	0.0010	0.0013	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND F1	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	NP	ND	0.003	ND	0.003	0.0032	0.003	0.0042	0.003	ND	0.003	0.16	0.003	ND	0.003	ND	0.010	ND	0.003	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND^	0.0020	ND	0.0020	ND ^	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND F1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	NP	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.005	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND F1 F2
Fluoride	4.0	NP	0.65	0.25	0.61	0.25	0.63	0.25	0.64	0.25	0.50	0.25	0.47	0.25	0.37	0.25	0.48	0.25	0.42	0.25	ND	0.10	0.36	0.10	0.56	0.10	0.64	0.10	0.42	0.10	0.53	0.10	0.74	0.10	0.79	0.10	0.48	0.10	0.52	0.10	0.56	0.10	0.64	0.10	0.58	0.10	0.48	0.10	0.60	0.10	0.50	0.10	0.26	0.10	0.31
Iron	5.0	NP	1.6	0.010	1.6	0.010	1.7	0.010	1.8	0.010	1.9	0.010	1.7	0.010	1.9	0.010	1.9	0.010	1.6	0.01	1.1	0.10	1.8	0.10	2.2	0.10	1.8	0.10	1.5	0.10	22	0.10	1.0	0.10	0.81	0.10	1.0	0.10	0.29	0.10	1.8	0.10	1.4	0.10	1.6 F1	0.10	0.15	0.10	ND	0.10	1.1	0.10	1.4	0.10	ND
Lead	0.0075	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0050	ND	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00082	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND F1	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	NP	0.68	0.001	0.68	0.001	0.63	0.001	0.66	0.001	0.63	0.001	0.61	0.001	0.71	0.001	0.64	0.040	0.61	0.001	0.50	0.0025	1.3	0.0025	0.70	0.0025	0.58	0.0025	0.68	0.013	8.0	0.0025	0.71	0.0025	0.57	0.0025	0.86	0.0025	0.90	0.0025	1.2	0.0025	0.98	0.0025	0.87 F1	0.0025	0.85	0.0025	0.57	0.0025	0.79	0.0025	1.0	0.0025	0.086
Mercury	0.002	NP	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.00020	ND	0.0002	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	NP	0.0091	0.005	0.014	0.005	0.0078	0.005	0.0099	0.005	0.0089	0.005	ND	0.005	0.0095	0.005	0.011	0.010	ND	0.005	0.0062	0.0020	ND	0.0020	ND	0.0020	0.0020	0.0020	ND	0.0020	0.0061	0.0020	ND	0.0020	0.0024	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0020	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	NP	0.037	0.02	ND	0.02	ND	0.02	0.04	0.02	0.06	0.02	ND	0.02	ND	0.02	0.04	0.02	0.06	0.02	0.02	0.10	ND	0.10	ND	0.10	0.16	0.10	ND	0.10	ND	0.10	ND	0.10	0.11	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.19
Nitrogen/Nitrate, Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.10	ND	0.10	ND	0.10	0.16	0.10	ND	0.10	ND	0.10	ND	0.10	0.11	0.10	ND	0.10	ND	0.10	ND ^	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.19
Nitrogen/Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	NP	0.0034	0.001	ND	0.001	ND	0.001	0.0025	0.001	0.0033	0.001	ND	0.001	0.0013	0.001	0.0023	0.0050	ND	0.001	0.001	0.0025	0.0030	0.0025	ND	0.0025	0.0065	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND F1	0.0025	ND	0.0025	ND	0.0025	ND ^	0.0025	ND
Silver	0.05	NP	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.010	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND F1	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	NP	210	50	250	50	280	50	260	50	170	50	250	50	450	50	340	50	440	50	320	130	560	100	440	100	310	100	410	100	530	100	300	100	380	100	360	100	350	100	400	100	490	100	390	250	500	100	380	100	470	100	390	100	420
Thallium	0.002	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND F1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	NP	950	17	990	17	1100	17	970	17	1000	17	1100	17	1300	17	1200	26	1200	26	1100	10	1400	10	1200	10	1100	10	1100	10	1400	10	1300	10	1400	10	1300	10	1100	10	1400	10	1200	10	1100	10	1100	10	1400	10	1200	10	1100	10	1000	10	1200
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0080	ND	0.005	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	NP	0.0064	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	0.049	0.006	ND	0.006	ND	0.020	ND	0.006	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND F1	0.020	ND	0.020	ND	0.020	ND ^	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.005	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.03	ND	0.03	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0013	0.0025	0.00061	0.0025	0.00053	0.0025	0.00099	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	7.67	NA	7.97	NA	7.62	NA	7.61	NA	7.35	NA	7.68	NA	7.59	NA	7.73	NA	7.68	NA	9.30	NA	7.23	NA	7.37	NA	7.55	NA	8.21	NA	7.45	NA	7.73	NA	7.60	NA	8.05	NA	7.76	NA	7.94	NA	7.46	NA	7.68	NA	7.47	NA	7.31	NA	7.66	NA	7.66	NA	7.58
Temperature	NA	NA	24.53	NA	16.38	NA	18.99	NA	22.40	NA	22.76	NA	20.99	NA	19.83	NA	20.30	NA	20.07	NA	14.40	NA	16.14	NA	24.20	NA	23.30	NA	10.06	NA	19.41 *	NA	26.15	NA	19.31	NA	7.20	NA	17.91	NA	21.94	NA	18.66	NA	13.60	NA	15.26	NA	28.74	NA	19.81	NA	12.94	NA	14.71
Conductivity	NA	NA	1.65	NA	1.63	NA	1.68	NA	1.56	NA	1.61	NA	1.54	NA	1.65	NA	1.69	NA	1.75	NA	1.49	NA	1.47	NA	1.71	NA	1.74	NA	1.01	NA	1.84	NA	1.91	NA	2.36	NA	1.17	NA	1.67	NA	1.99	NA	1.58	NA	1.31	NA	1.56	NA	1.94	NA	1.43	NA	1.24	NA	1.26
Dissolved Oxygen	NA	NA	NM	NA	0.24	NA	0.08	NA	0.10	NA	0.08	NA	0.03	NA	0.23	NA	0.02	NA	0.41	NA	0.18	NA	0.45	NA	0.14	NA	0.26	NA	1.24	NA	0.80	NA	0.39	NA	0.32	NA	0.96	NA	1.57	NA	1.60	NA	1.20	NA	0.64	NA	0.83	NA	1.32	NA	1.42	NA	1.06	NA	2.84
ORP	NA	NA	NM	NA	-137.5	NA	-161.9	NA	-236	NA	-196	NA	-176	NA	-169	NA	-183	NA	-160	NA	-85.8	NA	-97.1	NA	-180.4	NA	-233.2	NA	-168.8	NA	-25.3	NA	-143.4	NA	-126.7	NA	-147.7	NA	-73.6	NA	-142.7	NA	-90.4	NA	-96.8	NA	-58.8	NA	-166.3	NA	-154.6	NA	-102.5	NA	-79.2

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.
Samples for inorganics were filtered.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured
NP - Not Provided

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value
F1 - MS and/or MSD Recovery outside of limits.

Temperature °C degrees Celcius
Conductivity ms/cm millisiemens/centimeters
Dissolved Oxygen mg/L milligrams/liter
Oxygen Reduction Potential (ORP) mV millivolts

Sample: MW-07	Date	12/6/2010		3/25/2011		6/16/2011		9/19/2011		12/12/2011		3/19/2012		6/25/2012		9/18/2012		12/12/2012		2/27/2013		5/31/2013		7/31/2013		10/23/2013		3/5/2014		5/29/2014		8/27/2014		10/29/2014		2/23/2015		5/11/2015		8/18/2015		11/16/2015		2/24/2016		5/18/2016		8/19/2016		11/16/2016		2/16/2017		5/2/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	NP	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.0050	ND	0.003	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	NP	0.026	0.001	0.085	0.001	0.12	0.001	0.18	0.001	0.23	0.001	0.23	0.001	0.15	0.001	0.18	0.0050	0.26	0.001	0.17	0.0010	0.12	0.0010	0.22	0.0010	0.20	0.0010	0.15	0.0010	ND	0.0010	0.19	0.0010	0.31	0.0010	0.18	0.0010	0.21	0.0010	0.13	0.0010	0.14	0.0010	0.18	0.0010	0.19	0.0010	0.12
Barium	2.0	NP	0.55	0.001	0.52	0.001	0.57	0.001	0.57	0.001	0.59	0.001	0.57	0.001	0.44	0.001	0.46	0.040	0.47	0.001	0.44	0.0025	0.42	0.0025	0.46	0.0025	0.49	0.0025	0.56	0.0025	0.13	0.0025	0.52	0.0025	0.55	0.0025	0.61	0.0025	0.50	0.0025	0.49	0.0025	0.43	0.0025	0.50	0.0025	0.46	0.0025	0.44	0.0025	0.51	0.0025	0.50	0.0025	0.41
Beryllium	0.004	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND
Boron	2.0	NP	0.61	0.01	0.44	0.012	0.43	0.01	0.38	0.01	0.34	0.01	0.35	0.01	0.41	0.01	0.36	0.40	0.41	0.01	0.47	0.050	0.52	0.050	0.41	0.050	0.46	0.050	0.37	0.25	1.0	0.050	0.33	0.050	0.27	0.050	0.39	0.050	0.34	0.050	0.38	0.050	0.36	0.050	0.39	0.050	0.36	0.050	0.36	0.050	0.35	0.050	0.30	0.050	0.50
Cadmium	0.005	NP	0.0026	0.001	ND	0.001	0.0015	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	NP	170	50	200	25	140	25	130	10	81	25	99	25	130	25	130	25	150	50	160	10	180	10	150	10	160	10	170	10	150	10	160 ^	10	150	10	130	10	170	10	140	10	160	10	150	10	180	10	160	10	150	10	170	10	170
Chromium	0.1	NP	0.0088	0.004	0.0075	0.004	0.0061	0.004	0.011	0.004	ND	0.004	ND	0.004	0.0043	0.004	0.0051	0.0030	0.028	0.004	0.017	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND^	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	NP	0.017	0.002	0.0056	0.002	0.007	0.002	0.0055	0.002	0.006	0.002	0.0067	0.002	0.011	0.002	0.009	0.0030	0.0056	0.002	0.0075	0.0010	0.0059	0.0010	0.0045	0.0010	0.0071	0.0010	0.0085	0.0010	ND	0.0010	0.0070	0.0010	0.0046	0.0010	0.012	0.0010	0.0070	0.0010	0.0026	0.0010	0.0062	0.0010	0.0038	0.0010	0.0062	0.0010	0.0064	0.0010	0.0058	0.0010	0.0054	0.0010	0.0044
Copper	0.65	NP	0.14	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.010	ND	0.003	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND^	0.0020	ND	0.0020	ND ^	0.0020	ND	0.0020	0.0091	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	NP	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0055	0.0050	ND	0.0050	ND	0.005	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	NP	0.47	0.25	0.42	0.25	0.58	0.25	0.94	0.25	0.47	0.25	0.54	0.25	0.38	0.25	0.35	0.25	0.35	0.25	ND	0.10	0.47	0.10	0.46	0.10	0.43	0.10	0.41	0.10	0.41	0.10	0.43	0.10	0.46	0.10	0.42	0.10	0.42	0.10	0.44	0.10	0.43	0.10	0.47	0.10	0.41	0.10	0.43	0.10	0.39	0.10	0.37	0.10	0.38
Iron	5.0	NP	8.0	0.010	7.5	0.010	10	0.010	22	0.010	26	0.010	31	0.010	10	0.010	21	0.010	18	0.01	27	0.10	15	0.10	30	0.10	20	0.10	17	0.10	0.15	0.10	14	0.10	35	0.10	23	0.10	9.5	0.10	38	0.10	12	0.10	33	0.10	9.2	0.10	14	0.10	22	0.10	20	0.10	13
Lead	0.0075	NP	0.039	0.001	ND	0.001	0.0014	0.001	ND	0.001	ND	0.001	ND	0.001	0.0013	0.001	ND	0.0050	ND	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0011	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0066	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	NP	3.5	0.001	5.9	0.001	6.4	0.001	12	0.001	12	0.001	11	0.001	9.3	0.001	8	0.040	6.7	0.001	9.5	0.025	5.7	0.0025	11	0.0025	5.9	0.0025	5.8 E	0.0025	0.33	0.013	6.6	0.013	13	0.013	7.0	0.050	5.9	0.13	15	0.025	6.2	0.025	13	0.025	3.0	0.013	7.1	0.025	7.8	0.050	8.6	0.013	5.5
Mercury	0.002	NP	ND	0.0002	ND	0.0002	0.00025	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.00020	ND	0.0002	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	NP	0.045	0.005	0.021	0.005	0.022	0.005	0.026	0.005	0.022	0.005	0.018	0.005	0.026	0.005	0.028	0.010	ND	0.005	0.014	0.0020	0.0063	0.0020	0.0055	0.0020	0.0081	0.0020	0.0099	0.0020	ND	0.0020	0.0072	0.0020	0.0045	0.0020	0.020	0.0020	0.0077	0.0020	0.0024	0.0020	0.0064	0.0020	0.0052	0.0020	0.0069	0.0020	0.0066	0.0020	0.0055	0.0020	0.0054	0.0020	0.0050
Nitrogen/Nitrate	10.0	NP	0.043	0.02	0.08	0.02	ND	0.20	0.31	0.02	0.03	0.02	ND	0.02	0.02	0.02	ND	0.02	0.03	0.02	0.06	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND ^	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	NP	0.0043	0.001	0.0026	0.001	0.0025	0.001	0.0073	0.001	0.0054	0.001	0.0013	0.001	0.006	0.001	0.0047	0.0050	ND	0.001	0.0031	0.0025	0.0028	0.0025	ND	0.0025	0.0056	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND ^	0.0025	ND ^	0.0025	ND
Silver	0.05	NP	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.010	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	NP	120	10	49	10	25	1.0	9.1	1.0	3.3	1.0	3.0	10	18	10	25	10	43	10	36	25	120	10	42	20	80	20	95	10	52	20	71	5.0	16	10	50	10	55	10	59	20	68	10	41	20	69	10	54	10	27	10	49	25	95
Thallium	0.002	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	NP	860	17	1100	17	1300	17	1300	17	1300	17	1400	17	1300	17	1300	26	1100	26	1200	10	1000	10	1300	10	1200	10	1200	10	1200	10	1300	10	1300	10	1100	10	1300	10	1100	10	1300	10	1100	10	1300	10	1000	10	1400	10	1200	10	1200	10	1100
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0080	0.012	0.005	0.0051	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0084	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	NP	0.076	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	0.011	0.006	ND	0.020	ND	0.006	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.027	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND ^	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.005	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.03	ND	0.03	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.00238	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	NM	NA	7.04	NA	6.78	NA	6.83	NA	6.45	NA	6.79	NA	6.91	NA	6.93	NA	6.97	NA	6.87	NA	6.69	NA	6.68	NA	6.82	NA	7.20	NA	6.67	NA	7.00	NA	6.94	NA	6.90	NA	6.88	NA	7.03	NA	6.60	NA	6.80	NA	6.77	NA	6.62	NA	6.64	NA	6.83	NA	7.08
Temperature	NA	NA	NM	NA	16.49	NA	18.51	NA	19.33	NA	16.43	NA	21.06	NA	19.19	NA	17.25	NA	16.64	NA	16.30	NA	17.12	NA	17.95	NA	16.36	NA	14.02	NA	17.66 *	NA	22.30	NA	14.31	NA	8.40	NA	17.66	NA	22.21	NA	13.34	NA	10.72	NA	16.18	NA	21.90	NA	18.24	NA	16.29	NA	15.35
Conductivity	NA	NA	NM	NA	1.98	NA	2.02	NA	2.02	NA	1.90	NA	2.04	NA	1.84	NA	1.78	NA	1.63	NA	1.87	NA	1.42	NA	1.77	NA	1.66	NA	1.36	NA	1.78	NA	1.87	NA	2.62	NA	1.37	NA	1.67	NA	2.18	NA	1.47	NA	1.55	NA	1.47	NA	1.75	NA	1.61	NA	1.66	NA	1.43
Dissolved Oxygen	NA	NA	NM	NA	0.61	NA	0.12	NA	0.34	NA	0.17	NA	0.13	NA	-0.02	NA	5.53	NA	2.86	NA	2.31	NA	0.50	NA	0.29	NA	0.44	NA	1.01	NA	0.65	NA	0.47	NA	1.50	NA	2.66	NA	1.19	NA	0.75	NA	1.47	NA	1.61	NA	2.26	NA	2.66	NA	2.07	NA	1.26	NA	3.06
ORP	NA	NA	NM	NA	-81.6	NA	-95.7	NA	-171	NA	-148	NA	-141	NA	-119	NA	-100	NA	-100	NA	-116.9	NA	-145.5	NA	-140.7	NA	-134.7	NA	-116.9	NA	-94.6	NA	-118.1	NA	-109.2	NA	-93.7	NA	-109.8	NA	-149.0	NA	-40.8	NA	-87.7	NA	-78.3	NA	-68.0	NA	-78.6	NA	-72.3	NA	-92.4

Notes: Standards obtained from IAC., Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.
Samples for inorganics were filtered.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured
NP - Not Provided

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value
F1 - MS and/or MSD Recovery outside of limits.

Temperature °C degrees Celcius
Conductivity m/cm millisiemens/centimeters
Dissolved Oxygen mg/L milligrams/liter
Oxygen Reduction Potential (ORP) mV millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Sample: MW-08	Date	12/15/2010		3/25/2011		6/16/2011		9/19/2011		12/12/2011		3/19/2012		6/25/2012		9/18/2012		12/12/2012		2/27/2013		5/30/2013		7/31/2013		10/23/2013		3/3/2014		5/28/2014		8/27/2014		10/28/2014		2/26/2015		5/11/2015		8/18/2015		11/18/2015		2/25/2016		5/18/2016		8/17/2016		11/15/2016		2/16/2017		5/2/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	NP	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.0050	ND	0.003	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	NP	0.0052	0.001	0.0039	0.001	0.0044	0.001	0.0036	0.001	0.0052	0.001	0.0038	0.001	0.004	0.001	0.0041	0.0050	0.0062	0.001	0.005	0.0010	0.0036	0.0010	0.0041	0.0010	0.0037	0.0010	0.0030	0.0010	ND	0.0010	0.0025	0.0010	0.0022	0.0010	0.0026	0.0010	0.0024	0.0010	0.0024	0.0010	0.0021	0.0010	0.0015	0.0010	0.0028	0.0010	0.0016	0.0010	ND	0.0010	ND ^	0.0010	0.0025
Barium	2.0	NP	0.11	0.001	0.12	0.001	0.11	0.001	0.11	0.001	0.13	0.001	0.14	0.001	0.14	0.001	0.14	0.040	0.16	0.001	0.14	0.0025	0.14	0.0025	0.13	0.0025	0.13	0.0025	0.11	0.0025	0.11	0.0025	0.13	0.0025	0.13	0.0025	0.12	0.0025	0.10	0.0025	0.092	0.0025	0.14	0.0025	0.093	0.0025	0.17	0.0025	0.12	0.0025	0.068	0.0025	0.071	0.0025	0.12
Beryllium	0.004	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	NP	0.93	0.01	0.72	0.012	0.64	0.01	0.82	0.01	0.82	0.01	0.57	0.01	0.57	0.01	1	0.40	0.93	0.01	1.1	0.050	0.91	0.050	1.2	0.050	0.93	0.050	0.83	0.050	0.44	0.050	0.80	0.050	0.72	0.050	0.81	0.050	0.74	0.050	1.5	0.050	1.4	0.25	1.8	0.050	1.4	0.050	0.86	0.25	1.2	0.050	0.87	0.050	0.68
Cadmium	0.005	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	NP	180	50	210	50	140	50	210	50	190	50	170	50	200	50	210	50	220	50	200	10	230	10	220	10	260	10	230	10	340	50	380 ^	10	340	10	260	10	270	10	250	10	160	10	190	10	130	10	260	10	300	10	360	10	300
Chromium	0.1	NP	0.0059	0.004	0.0081	0.004	0.0059	0.004	0.0084	0.004	0.0053	0.004	ND	0.004	0.0056	0.004	0.0066	0.0030	0.012	0.004	0.0046	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	NP	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.0030	ND	0.002	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	NP	ND	0.003	ND	0.003	0.0036	0.003	0.0037	0.003	0.01	0.003	ND	0.003	ND	0.003	0.0032	0.010	ND	0.003	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	NP	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.005	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	NP	0.77	0.25	0.76	0.25	0.81	0.25	0.84	0.25	0.75	0.25	0.70	0.25	0.63	0.25	0.53	0.25	0.63	0.25	0.28	0.10	0.74	0.10	0.68	0.10	0.74	0.10	0.67	0.10	0.65	0.10	0.73	0.10	0.71	0.10	0.63	0.10	0.66	0.10	0.34	0.10	0.44	0.10	0.33	0.10	0.33	0.10	0.33	0.10	0.36	0.10	0.32	0.10	0.34
Iron	5.0	NP	0.56	0.010	2.1	0.010	1.7	0.010	0.97	0.010	0.94	0.010	2.3	0.010	1.2	0.010	1.3	0.010	2.1	0.01	6.5	0.10	2.3	0.10	6.6	0.10	1.3	0.10	0.89	0.10	0.24	0.10	0.62	0.10	0.53	0.10	0.17	0.10	0.12	0.10	0.85	0.10	0.89	0.10	0.23	0.10	1.7	0.10	1.5	0.10	ND	0.10	0.26	0.10	2.4
Lead	0.0075	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0050	ND	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	NP	0.15	0.001	0.27	0.001	0.29	0.001	0.18	0.001	0.2	0.001	0.27	0.001	0.2	0.001	0.2	0.0020	0.23	0.001	0.43	0.0025	0.25	0.0025	0.48	0.0025	0.16	0.0025	0.20	0.0025	0.70	0.0025	0.17	0.0025	0.13	0.0025	0.11	0.0025	0.11	0.0025	0.78	0.0025	0.21	0.0025	0.23	0.0025	0.23	0.0025	0.28	0.0025	0.38	0.0025	0.43	0.0025	0.58
Mercury	0.002	NP	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.00020	ND	0.0002	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	NP	0.011	0.005	0.013	0.005	0.0076	0.005	0.007	0.005	0.009	0.005	0.0054	0.005	0.0075	0.005	0.009	0.010	ND	0.005	0.0057	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0040	0.0020	ND	0.0020	0.0024	0.0020	0.0026	0.0020	ND	0.0020	0.0038	0.0020	ND	0.0020	0.0026	0.0020	ND
Nitrogen/Nitrate	10.0	NP	ND	0.02	ND	0.02	0.10	1.0	1.6	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.19	0.10	ND	0.10	ND	0.10	0.44	0.10	ND	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.19	0.10	ND	0.10	ND	0.10	0.44	0.10	ND	0.10	ND
Nitrogen/Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	NP	0.0036	0.001	0.0013	0.001	ND	0.001	0.0031	0.001	0.0036	0.001	0.0018	0.001	0.0018	0.001	ND	0.0050	ND	0.001	0.002	0.0025	0.0029	0.0025	ND	0.0025	0.0048	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND ^	0.0025	ND ^	0.0025	ND
Silver	0.05	NP	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.010	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	NP	160	50	240	50	140	50	200	50	200	50	300	50	440	50	330	50	360	50	330	100	460	100	380	100	350	100	320	100	300	50	240	50	290	50	160	50	160	50	310	100	530	50	250	100	290	100	360	50	290	50	300	100	350
Thallium	0.002	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	NP	890	17	990	17	970	17	940	17	990	17	1200	17	1200	17	1200	26	1200	26	1100	10	1300	10	1300	10	1300	10	1200	10	1400	10	1400	10	1200	10	1100	10	1100	10	1200	10	1200	10	1100	10	1200	10	1400	10	1300	10	1400	10	1300
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0080	ND	0.005	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	NP	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.020	ND	0.006	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND ^	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.005	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00081	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.03	ND	0.03	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0040	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.00281	0.0025	0.00068	0.0025	0.0015	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	8.24	NA	8.17	NA	7.66	NA	8.24	NA	7.87	NA	7.97	NA	8.20	NA	8.23	NA	8.09	NA	7.72	NA	7.81	NA	7.39	NA	8.16	NA	8.46	NA	7.72	NA	8.12	NA	7.89	NA	8.62	NA	7.90	NA	7.36	NA	7.61	NA	7.00	NA	7.67	NA	7.33	NA	6.90	NA	7.00	NA	7.30
Temperature	NA	NA	19.95	NA	18.15	NA	18.82	NA	17.95	NA	19.20	NA	19.73	NA	18.28	NA	19.15	NA	18.34	NA	17.10	NA	18.11	NA	17.58	NA	15.62	NA	11.74	NA	19.53	NA	19.84	NA	16.22	NA	6.86	NA	15.81	NA	19.60	NA	14.72	NA	10.91	NA	19.30	NA	22.16	NA	16.05	NA	14.27	NA	14.28
Conductivity	NA	NA	1.62	NA	1.67	NA	1.61	NA	1.40	NA	1.47	NA	1.57	NA	1.65	NA	1.79	NA	1.82	NA	1.78	NA	1.55	NA	1.60	NA	1.62	NA	1.29	NA	1.94	NA	1.95	NA	1.99	NA	1.19	NA	1.55	NA	1.86	NA	1.56	NA	1.32	NA	1.55	NA	1.80	NA	2.01	NA	1.89	NA	1.63
Dissolved Oxygen	NA	NA	NM	NA	0.25	NA	0.08	NA	0.05	NA	0.03	NA	0.03	NA	0.06	NA	0.09	NA	0.64	NA	0.33	NA	0.32	NA	0.16	NA	0.25	NA	1.19	NA	0.59	NA	0.51	NA	0.66	NA	1.22	NA	2.97	NA	1.03	NA	0.72	NA	1.09	NA	0.41	NA	2.22	NA	1.36	NA	2.26	NA	1.71
ORP	NA	NA	NM	NA	-190.8	NA	-181.5	NA	-271	NA	-238	NA	-222	NA	-228	NA	-231	NA	-210	NA	-183.8	NA	-225.9	NA	-182	NA	-225	NA	140.2	NA	-65.2	NA	-148.4	NA	-62.6	NA	-154.2	NA	-97.9	NA	-81.8	NA	-30.2	NA	-46.8	NA	-139.2	NA	-96.6	NA	-24.8	NA	-41.8	NA	-110.0

Notes: Standards obtained from IAC., Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.
Samples for inorganics were filtered.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured
NP - Not Provided

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value
F1 - MS and/or MSD Recovery outside of limits.

Temperature °C degrees Celcius
Conductivity mS/cm millisiemens/centimeters
Dissolved Oxygen mg/L milligrams/liter
Oxygen Reduction Potential (ORP) mV millivolts

Sample: MW-09	Date	12/16/2010		3/25/2011		6/16/2011		9/19/2011		12/12/2011		3/19/2012		6/25/2012		9/18/2012		12/12/2012		2/27/2013		5/30/2013		7/30/2013		10/22/2013		3/3/2014		5/29/2014		8/26/2014		10/30/2014		2/24/2015		5/12/2015		8/19/2015		11/18/2015		2/25/2016		5/19/2016		8/17/2016		11/17/2016		2/15/2017		5/3/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	NP	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.0050	ND	0.003	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	NP	ND	0.001	0.0018	0.001	0.0017	0.001	ND	0.001	0.0012	0.001	ND	0.001	0.0017	0.001	ND	0.0050	ND	0.001	0.0013	0.0010	ND	0.0010	ND	0.0010	0.0021	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND
Barium	2.0	NP	0.038	0.001	0.042	0.001	0.038	0.001	0.03	0.001	0.038	0.001	0.035	0.001	0.038	0.001	0.038	0.040	0.062	0.001	0.049	0.0025	0.042	0.0025	0.050	0.0025	0.048	0.0025	0.064	0.0025	0.044	0.0025	0.039	0.0025	0.047	0.0025	0.043	0.0025	0.026	0.0025	0.034	0.0025	0.023	0.0025	0.034	0.0025	0.030	0.0025	0.036	0.0025	0.037	0.0025	0.038	0.0025	0.035
Beryllium	0.004	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND
Boron	2.0	NP	2.1	0.01	1.9	0.012	1.9	0.01	2.5	0.01	2.7	0.01	2.6	0.01	2.6	0.01	2.9	1.0	3.2	0.01	4.3	0.050	3.2	0.050	2.5	0.050	1.6	0.050	1.7	0.25	2.5	0.050	2.4	0.050	1.6	0.050	3.0	0.050	3.2	0.25	3.3	0.050	2.2	0.25	2.3	0.050	1.5	0.050	2.7	0.50	3.8	0.050	3.0	0.050	3.4
Cadmium	0.005	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	NP	25	10	28	10	28	10	30	25	30	10	30	10	27	10	28	10	31	10	27	2.0	29	2.0	33	2.0	42	2.0	25	2.0	34	2.0	33	2.0	32	2.0	34	2.0	37	2.0	36	2.0	30	2.0	35	2.0	36	2.0	41	2.0	38	2.0	38	2.0	37
Chromium	0.1	NP	ND	0.004	ND	0.004	ND	0.004	ND	0.004	ND	0.004	ND	0.004	ND	0.004	ND	0.0030	0.01	0.004	0.0046	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND^	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	NP	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.0030	ND	0.002	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0032	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	NP	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.010	ND	0.003	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND^	0.0020	ND	0.0020	ND ^	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	NP	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.005	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	NP	ND	0.25	0.31	0.25	0.34	0.25	0.25	0.25	ND	0.25	ND	0.25	ND	0.25	ND	0.25	0.3	0.25	ND	0.10	0.21	0.10	0.18	0.10	0.17	0.10	0.16	0.10	0.20	0.10	0.19	0.10	0.15	0.10	0.18	0.10	0.16	0.10	0.14	0.10	0.19	0.10	0.20	0.10	0.16	0.10	0.15	0.10	0.15	0.10	0.14	0.10	0.13
Iron	5.0	NP	ND	0.010	0.066	0.010	ND	0.010	ND	0.010	ND	0.010	0.014	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Lead	0.0075	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0050	ND	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00051	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	NP	0.23	0.001	0.45	0.001	0.48	0.001	0.14	0.001	0.28	0.001	0.22	0.001	0.34	0.001	0.11	0.0020	0.1	0.001	0.19	0.0025	0.053	0.0025	0.038	0.0025	0.019	0.0025	0.84	0.0025	0.36	0.0025	0.031	0.0025	0.022	0.0025	0.024	0.0025	0.086	0.0025	0.020	0.0025	0.076	0.0025	0.084	0.0025	0.079	0.0025	0.11	0.0025	0.10	0.0025	0.088	0.0025	0.12
Mercury	0.002	NP	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.00020	ND	0.0002	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	NP	0.01	0.005	0.0093	0.005	0.0063	0.005	0.0065	0.005	0.0088	0.005	ND	0.005	ND	0.005	0.0067	0.010	ND	0.005	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0045	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	NP	2.9	0.20	5.6	0.20	5.6	0.20	3.7	0.50	2.6	0.20	5.0	0.20	2.8	0.20	6.3	0.20	10	0.2	12	0.10	11	0.10	7.9	0.10	4.6	0.10	3.2	0.10	11	0.10	1.6	0.10	5.9	0.10	13	0.10	9.3	0.10	11	0.10	0.74	0.10	1.0	0.10	5.9	0.10	5.7	0.10	4.4	0.10	5.2	0.10	9.9
Nitrogen/Nitrate, Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	1.0	11	0.50	7.9	0.50	4.6	0.50	3.2	2.5	11	0.10	1.6	0.50	5.9	1.0	13	1.0	9.3	2.0	11	0.10	0.74	0.10	1.0	0.50	5.9	0.50	5.7	0.50	4.4	0.50	5.2	1.0	9.9
Nitrogen/Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	NP	0.0024	0.001	0.0072	0.001	0.0017	0.001	0.0043	0.001	0.0041	0.001	0.0072	0.001	0.0047	0.001	0.0044	0.0050	0.009	0.001	0.015	0.0025	0.016	0.0025	0.014	0.0025	0.0047	0.0025	0.0030	0.0025	0.0074	0.0025	0.0061	0.0025	0.0084	0.0025	0.0091	0.0025	0.014	0.0025	0.010	0.0025	0.0028	0.0025	ND	0.0025	0.0047	0.0025	0.0034	0.0025	0.0035	0.0025	0.0063	0.0025	0.011
Silver	0.05	NP	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.010	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	NP	110	25	110	25	110	25	130	25	110	25	120	50	130	25	120	25	130	50	140	50	140	25	130	25	90	25	110	50	110	25	100	50	160	25	130	50	140	50	160	25	130	25	140	25	100	50	130	50	140	50	120	50	180
Thallium	0.002	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	NP	500	17	510	17	540	17	500	17	520	17	530	17	520	17	580	26	560	26	520	10	600	10	610	10	430	10	560	10	540	10	490	10	630	10	570	10	620	10	670	10	410	10	480	10	490	10	760	10	600	10	590	10	690
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0080	ND	0.005	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND^	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	NP	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.020	ND	0.006	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND ^	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.005	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.03	ND	0.03	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.00089	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	7.22	NA	7.34	NA	7.10	NA	7.32	NA	6.31	NA	7.28	NA	7.30	NA	7.18	NA	7.10	NA	8.00	NA	7.21	NA	6.63	NA	7.19	NA	7.53	NA	6.99	NA	7.09	NA	7.29	NA	7.53	NA	7.44	NA	7.35	NA	7.15	NA	7.34	NA	7.30	NA	7.32	NA	7.37	NA	6.94	NA	7.48
Temperature	NA	NA	14.61	NA	13.19	NA	14.51	NA	14.08	NA	14.56	NA	18.11	NA	15.72	NA	16.55	NA	13.91	NA	16.40	NA	17.38	NA	14.49	NA	14.68	NA	11.20	NA	19.42	NA	20.80	NA	12.73	NA	11.65	NA	14.26	NA	18.58	NA	16.51	NA	10.02	NA	20.82	NA	22.91	NA	17.20	NA	9.91	NA	13.52
Conductivity	NA	NA	0.91	NA	0.85	NA	0.84	NA	0.66	NA	0.66	NA	0.73	NA	0.67	NA	0.72	NA	0.77	NA	0.82	NA	0.72	NA	0.76	NA	0.66	NA	0.66	NA	0.78	NA	0.79	NA	1.05	NA	0.67	NA	0.79	NA	0.88	NA	0.67	NA	0.55	NA	0.76	NA	0.85	NA	0.70	NA	0.65	NA	0.70
Dissolved Oxygen	NA	NA	NM	NA	0.27	NA	0.49	NA	0.16	NA	0.08	NA	0.07	NA	0.11	NA	0.56	NA	1.10	NA	0.87	NA	0.64	NA	0.29	NA	1.01	NA	1.27	NA	2.11	NA	0.80	NA	1.52	NA	1.37	NA	2.20	NA	0.68	NA	1.42	NA	1.47	NA	4.29	NA	2.87	NA	4.07	NA	2.52	NA	3.10
ORP	NA	NA	NM	NA	21.2	NA	148.2	NA	-268	NA	20	NA	68	NA	47	NA	168	NA	210	NA	77.2	NA	-68.3	NA	117.2	NA	-159.8	NA	316.1	NA	41.5	NA	22.3	NA	16.3	NA	25.0	NA	35.5	NA	-22.6	NA	72.9	NA	-37.1	NA	-54.3	NA	-76.3	NA	-40.5	NA	69.1	NA	-74.4

Notes: Standards obtained from IAC., Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.
Samples for inorganics were filtered.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured
NP - Not Provided

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value
F1 - MS and/or MSD Recovery outside of limits.

Temperature °C degrees Celcius
Conductivity mS/cm millisiemens/centimeters
Dissolved Oxygen mg/L milligrams/liter
Oxygen Reduction Potential (ORP) mV millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Sample: MW-10	Date	12/15/2010		3/25/2011		6/16/2011		9/19/2011		12/12/2011		3/19/2012		6/25/2012		9/18/2012		12/12/2012		2/27/2013		5/29/2013		7/31/2013		10/23/2013		3/6/2014		5/30/2014		8/28/2014		10/30/2014		2/23/2015		5/14/2015		8/18/2015		11/18/2015		2/24/2016		5/18/2016		8/19/2016		11/16/2016		2/15/2017		5/2/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	NP	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.0050	ND	0.003	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	NP	ND	0.001	ND	0.001	0.0015	0.001	ND	0.001	ND	0.001	ND	0.001	0.0015	0.001	0.0014	0.0050	ND	0.001	0.001	0.0010	0.0012	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0011	0.0010	ND	0.0010	ND	0.0010	0.0012	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND
Barium	2.0	NP	0.24	0.001	0.28	0.001	0.36	0.001	0.25	0.001	0.26	0.001	0.26	0.001	0.27	0.001	0.23	0.040	0.24	0.001	0.22	0.0025	0.30	0.0025	0.18	0.0025	0.23	0.0025	0.31	0.0025	0.25	0.0025	0.28	0.0025	0.13	0.0025	0.17	0.0025	0.23	0.0025	0.14	0.0025	0.17	0.0025	0.18	0.0025	0.25	0.0025	0.17	0.0025	0.19	0.0025	0.28
Beryllium	0.004	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.0010	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND
Boron	2.0	NP	0.48	0.01	0.48	0.012	0.52	0.01	0.42	0.01	0.57	0.01	0.54	0.01	0.54	0.01	0.42	0.40	0.46	0.01	0.64	0.050	0.98	0.050	1.9	0.050	0.61	0.050	2.1	0.25	3.2	0.050	1.9	0.050	0.84	0.050	0.83	0.050	0.64	0.050	0.42	0.050	0.30	0.050	0.40	0.050	0.38	0.050	0.35	0.050	0.37	0.050	0.48	0.050	0.49
Cadmium	0.005	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	NP	40	10	43	10	43	10	49	10	42	10	45	10	46	10	45	10	45	10	37	2.0	41	2.0	40	2.0	54	2.0	40	2.0	37	2.0	57	2.0	62	2.0	22	2.0	52	2.0	55	2.0	53	2.0	48	2.0	44	2.0	44	2.0	44	2.0	44	2.0	44
Chromium	0.1	NP	ND	0.004	ND	0.004	ND	0.004	ND	0.004	ND	0.004	ND	0.004	ND	0.004	ND	0.0030	0.0048	0.004	0.0064	0.0050	0.0061	0.0050	ND	0.0050	ND	0.0050	ND^	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	NP	0.0026	0.002	0.0027	0.002	0.0039	0.002	0.0025	0.002	0.0026	0.002	0.0024	0.002	0.0029	0.002	0.0029	0.0030	ND	0.002	0.0021	0.0010	0.012	0.0010	0.0019	0.0010	0.0025	0.0010	0.0037	0.0010	0.0012	0.0010	0.0034	0.0010	0.0015	0.0010	0.0019	0.0010	0.0019	0.0010	0.0013	0.0010	0.0017	0.0010	0.0020	0.0010	0.0020	0.0010	0.0018	0.0010	0.0016	0.0010	0.0018	0.0010	0.0029
Copper	0.65	NP	ND	0.003	ND	0.003	ND	0.003	ND	0.003	0.0041	0.003	ND	0.003	ND	0.003	ND	0.010	ND	0.003	ND	0.0020	0.028	0.0020	ND	0.0020	ND	0.0020	0.0020^	0.0020	ND	0.0020	ND ^	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	NP	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.005	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	NP	ND	0.25	0.30	0.25	0.36	0.25	ND	0.25	ND	0.25	ND	0.25	ND	0.25	ND	0.25	0.28	0.25	ND	0.10	0.18	0.10	0.18	0.10	0.17	0.10	0.20	0.10	0.18	0.10	0.20	0.10	0.18	0.10	0.17	0.10	0.21	0.10	0.17	0.10	0.17	0.10	0.17	0.10	0.18	0.10	0.18	0.10	0.16	0.10	0.18
Iron	5.0	NP	ND	0.010	ND	0.010	0.044	0.010	ND	0.010	ND	0.010	ND	0.010	0.015	0.010	0.012	0.010	ND	0.010	2.7	0.10	ND	0.10	0.18	0.10	0.18	0.10	0.19	0.10	0.11	0.10	0.34	0.10	ND	0.10	0.22	0.10	0.34	0.10	ND	0.10	0.13	0.10	0.20	0.10	ND	0.10	0.15	0.10	ND	0.10	0.22	0.10	ND
Lead	0.0075	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0050	ND	0.001	ND	0.00050	0.012	0.00050	ND	0.00050	ND	0.00050	0.00080	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00058	0.00050	ND
Manganese	0.15	NP	2.1	0.001	2.8	0.001	3.8	0.001	2.3	0.001	2.3	0.001	2.3	0.001	2.6	0.001	2.5	0.040	2.2	0.001	1.9	0.0025	3.2	0.0025	1.5	0.0025	2.0	0.0025	3.1	0.0025	1.6	0.0025	2.1	0.0025	1.1	0.0025	1.3	0.0025	1.7	0.0025	0.94	0.0025	1.4	0.0025	1.6	0.0025	2.3	0.0025	1.4	0.0025	1.3	0.0025	1.1	0.0025	3.3
Mercury	0.002	NP	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.00020	ND	0.0002	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	NP	0.015	0.005	0.016	0.005	0.015	0.005	0.01	0.005	0.013	0.005	0.0091	0.005	0.0093	0.005	0.014	0.010	ND	0.005	0.0079	0.0020	0.023	0.0020	0.0037	0.0020	0.0051	0.0020	0.0073	0.0020	0.0038	0.0020	0.0046	0.0020	0.0028	0.0020	0.0045	0.0020	0.0049	0.0020	0.0024	0.0020	0.0030	0.0020	0.0046	0.0020	0.0045	0.0020	0.0034	0.0020	0.0027	0.0020	0.0043	0.0020	0.0065
Nitrogen/Nitrate	10.0	NP	3.0	0.20	4.0	0.20	2.1	0.20	4.5	0.20	4.9	0.20	6.0	0.20	2.9	0.20	5.2	0.20	4.8	0.2	3.3	0.10	1.9	0.10	1.5	0.10	1.2	0.10	2.0	0.10	2.1	0.10	0.41	0.10	0.67	0.10	0.90	0.10	1.2	0.10	2.8	0.10	1.3	0.10	3.1	0.10	2.2	0.10	1.7	0.10	0.54	0.10	0.20	0.10	0.22
Nitrogen/Nitrate, Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.20	1.9	0.10	1.6	0.10	1.2	0.50	2.0	0.50	2.1	0.10	0.43	0.10	0.71	0.10	0.94	0.10	1.2	0.20	2.9	0.10	1.3	0.20	3.2	0.50	2.2	0.20	1.8	0.10	0.58	0.10	0.20	0.10	0.22
Nitrogen/Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.020	ND	0.020	0.056	0.020	0.034	0.020	ND	0.020	0.028	0.020	0.022	0.020	0.039	0.020	0.038	0.020	0.032	0.020	0.077	0.020	ND	0.020	0.056	0.020	0.025	0.020	0.051	0.020	0.043	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	NP	0.0042	0.001	0.0064	0.001	0.0043	0.001	0.0057	0.001	0.0065	0.001	0.0056	0.001	0.0056	0.001	0.0058	0.0050	0.0074	0.001	0.0083	0.0025	0.0043	0.0025	0.0087	0.0025	0.0080	0.0025	ND	0.0025	0.0073	0.0025	0.0057	0.0025	0.0048	0.0025	0.0028	0.0025	0.0050	0.0025	0.0054	0.0025	0.0033	0.0025	0.0043	0.0025	0.0048	0.0025	0.0041	0.0025	0.0032	0.0025	ND ^	0.0025	ND
Silver	0.05	NP	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.010	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	NP	62	10	64	10	67	10	64	10	72	10	76	10	63	10	58	10	59	10	69	25	92	25	150	25	90	50	160	50	140	25	110	25	95	10	46	10	50	20	64	20	110	20	88	20	67	20	59	10	62	10	43	20	44
Thallium	0.002	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	NP	530	17	520	17	650	17	470	17	540	17	530	17	550	17	580	26	420	26	440	10	580	10	550	10	620	10	670	10	630	10	590	10	550	10	530	10	530	10	550	10	500	10	540	10	580	10	600	10	480	10	470	10	640
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0080	ND	0.005	ND	0.0050	0.012	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	NP	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.020	ND	0.006	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND ^	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.005	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.03	ND	0.03	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.00055	0.0025	0.00066	0.0025	0.0011	0.0025	ND	0.0025	0.0027	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	7.04	NA	7.01	NA	6.88	NA	7.04	NA	6.03	NA	7.03	NA	6.95	NA	6.96	NA	7.03	NA	8.39	NA	6.87	NA	6.85	NA	7.02	NA	7.90	NA	7.09	NA	6.74	NA	7.16	NA	7.36	NA	7.13	NA	7.46	NA	6.74	NA	6.71	NA	6.72	NA	6.69	NA	7.02	NA	6.88	NA	6.93
Temperature	NA	NA	11.72	NA	11.98	NA	14.25	NA	11.76	NA	11.05	NA	14.51	NA	13.49	NA	12.84	NA	11.87	NA	11.60	NA	14.99	NA	13.28	NA	11.61	NA	10.63	NA	18.61 *	NA	15.79	NA	11.11	NA	5.22	NA	13.91	NA	23.06	NA	13.70	NA	7.22	NA	13.24	NA	17.04	NA	18.18	NA	9.67	NA	12.94
Conductivity	NA	NA	0.99	NA	0.92	NA	1.04	NA	0.62	NA	0.65	NA	0.71	NA	0.67	NA	0.67	NA	0.60	NA	0.70	NA	0.69	NA	0.71	NA	0.70	NA	0.63	NA	0.93	NA	0.83	NA	1.04	NA	0.56	NA	0.70	NA	0.86	NA	0.67	NA	0.59	NA	0.70	NA	0.68	NA	0.64	NA	0.57	NA	0.72
Dissolved Oxygen	NA	NA	NM	NA	0.29	NA	0.08	NA	0.02	NA	0.04	NA	0.02	NA	0.04	NA	0.10	NA	2.07	NA	0.49	NA	0.39	NA	0.19	NA	0.50	NA	1.00	NA	3.29	NA	0.77	NA	0.64	NA	3.45	NA	0.88	NA	2.21	NA	2.01	NA	0.99	NA	1.62	NA	2.38	NA	2.51	NA	3.56	NA	2.40
ORP	NA	NA	NM	NA	106.4	NA	132.3	NA	-297	NA	23	NA	118	NA	67	NA	107	NA	60	NA	33.2	NA	63.9	NA	20.8	NA	-138.7	NA	-65.7	NA	-39.0	NA	-0.5	NA	-86.1	NA	20.3	NA	-4.0	NA	-56.8	NA	70.3	NA	4.2	NA	30.6	NA	-76.5	NA	-20.3	NA	-34.4	NA	-73.9

Notes: Standards obtained from IAC., Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.
Samples for inorganics were filtered.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured
NP - Not Provided

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value
F1 - MS and/or MSD Recovery outside of limits.

Temperature °C degrees Celcius
Conductivity mS/cm millisiemens/centimeters
Dissolved Oxygen mg/L milligrams/liter
Oxygen Reduction Potential (ORP) mV millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Sample: MW-11	Date	12/16/2010		2/15/2011		6/16/2011		9/19/2011		12/12/2011		3/19/2012		6/25/2012		9/18/2012		12/12/2012		2/27/2013		5/30/2013		7/30/2013		10/22/2013		3/4/2014		5/29/2014		8/26/2014		10/28/2014		2/24/2015		5/12/2015		8/19/2015		11/19/2015		2/26/2016		5/20/2016		8/17/2016		11/17/2016		2/16/2017		5/3/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	NP	ND	NP	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.0050	ND	0.003	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	NP	0.0021	NP	0.0025	0.001	0.0019	0.001	0.0016	0.001	0.0019	0.001	0.0021	0.001	0.0032	0.001	0.0038	0.0050	0.03	0.001	0.045	0.0010	0.028	0.0010	0.038	0.0010	0.038	0.0010	0.057	0.0010	0.036	0.0010	0.068	0.0010	0.045	0.0010	0.022	0.0010	0.052	0.0010	0.027	0.0010	0.015	0.0010	0.0097	0.0010	0.011	0.0010	0.015	0.0010	0.0071	0.0010	0.0077	0.0010	0.0065
Barium	2.0	NP	0.17	NP	0.11	0.001	0.18	0.001	0.11	0.001	0.11	0.001	0.13	0.001	0.17	0.001	0.22	0.20	ND	0.001	0.2	0.0025	0.15	0.0025	0.19	0.0025	0.18	0.0025	0.22	0.0025	0.16	0.0025	0.21	0.0025	0.19	0.0025	0.16	0.0025	0.16	0.0025	0.15	0.0025	0.15	0.0025	0.17	0.0025	0.21	0.0025	0.14	0.0025	0.19	0.0025	0.17	0.0025	0.21
Beryllium	0.004	NP	ND	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND
Boron	2.0	NP	1.6	NP	1.8	0.012	1.6	0.01	1.5	0.01	1.8	0.01	2.3	0.01	1.9	0.01	2.6	2.0	ND	0.01	1.4	0.050	1.3	0.050	1.5	0.050	1.2	0.050	1.1	0.25	1.4	0.050	0.97	0.050	0.89	0.050	1.7	0.050	1.3	0.050	2.0	0.050	1.5	0.25	1.8	0.050	1.2	0.050	1.1	0.25	1.0	0.050	1.3	0.050	1.1
Cadmium	0.005	NP	ND	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	NP	70	NP	66	50	120	25	53	50	87	10	54	25	150	10	52	50	83	10	84	10	79	10	110	10	79	2.0	67	2.0	70	10	120	10	91	2.0	66	2.0	65	2.0	60	2.0	60	10	120	10	130	10	83	10	130	10	120	10	160	10	120
Chromium	0.1	NP	ND	NP	ND	0.004	ND	0.004	ND	0.004	ND	0.004	ND	0.004	0.0051	0.004	ND	0.0030	0.015	0.004	0.0099	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	NP	0.0028	NP	0.0041	0.002	0.0024	0.002	ND	0.002	ND	0.002	0.0024	0.002	0.0039	0.002	0.0049	0.0030	0.0041	0.002	0.0028	0.0010	0.0020	0.0010	0.0023	0.0010	0.0025	0.0010	ND	0.0010	0.0017	0.0010	0.0017	0.0010	0.0017	0.0010	0.0023	0.0010	0.0017	0.0010	0.0021	0.0010	0.0021	0.0010	0.0020	0.0010	0.0020	0.0010	0.0018	0.0010	0.0024	0.0010	0.0021	0.0010	0.0024
Copper	0.65	NP	0.0032	NP	0.0032	0.003	0.0043	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	0.0049	0.010	ND	0.003	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND ^	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	NP	ND	NP	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	NP	0.53	NP	0.56	0.25	0.67	0.25	0.58	0.25	0.44	0.25	0.42	0.25	0.32	0.25	0.56	0.25	0.64	0.25	0.43	0.10	0.79	0.10	0.80	0.10	0.75	0.10	0.64	0.10	0.64	0.10	0.71	0.10	0.71	0.10	0.66	0.10	0.79	0.10	0.61	0.10	0.56	0.10	0.53	0.10	0.50	0.10	0.55	0.10	0.45	0.10	0.44	0.10	0.42
Iron	5.0	NP	0.44	NP	0.01	0.010	0.029	0.010	0.018	0.010	ND	0.010	ND	0.010	0.056	0.010	2.0	0.010	0.7	0.01	2.4	0.10	3.1	0.10	3.9	0.10	3.3	0.10	5.8	0.10	3.8	0.10	5.5	0.10	5.0	0.10	2.0	0.10	4.2	0.10	2.2	0.10	1.5	0.10	1.2	0.10	1.1	0.10	1.8	0.10	0.80	0.10	0.80	0.10	0.88
Lead	0.0075	NP	ND	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	0.0023	0.001	ND	0.0050	ND	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	NP	3.2	NP	3.6	0.001	2.9	0.001	2.2	0.001	2.5	0.001	2.9	0.001	3.7	0.001	4.7	0.20	12	0.001	11	0.025	7.5	0.0025	8.0	0.0025	7.3	0.013	7.9	0.013	8.0	0.0023	8.4	0.013	6.6	0.025	5.5	0.050	7.8	0.025	5.9	0.0025	4.1	0.0025	3.6	0.0025	3.9	0.0025	4.2	0.0025	4.0	0.0025	3.7	0.0025	4.1
Mercury	0.002	NP	ND	NP	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.00020	ND	0.0002	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	NP	0.019	NP	0.016	0.005	0.013	0.005	0.011	0.005	0.013	0.005	0.011	0.005	0.013	0.005	0.017	0.010	ND	0.005	0.0088	0.0020	0.0026	0.0020	0.0033	0.0020	0.0036	0.0020	0.0024	0.0020	ND	0.0020	0.0023	0.0020	0.0042	0.0020	ND	0.0020	0.0028	0.0020	0.0031	0.0020	0.0045	0.0020	0.0038	0.0020	0.0028	0.0020	0.0040	0.0020	0.0036	0.0020	0.0046
Nitrogen/Nitrate	10.0	NP	0.41	NP	0.17	0.02	0.04	0.02	0.74	0.02	1.5	0.02	0.39	0.02	ND	0.20	4.6	0.02	0.39	0.02	0.33	0.10	1.1	0.10	ND	0.10	0.18	0.10	0.34	0.10	0.27	0.10	ND	0.10	ND	0.10	ND	0.10	0.52	0.10	0.20	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.10	1.1	0.10	ND	0.10	0.18	0.10	0.34	0.10	0.27	0.10	ND	0.10	ND^	0.10	ND	0.10	0.52	0.10	0.20	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	NP	0.0026	NP	0.0015	0.001	0.0018	0.001	0.004	0.001	0.0031	0.001	0.0039	0.001	0.0039	0.001	0.004	0.0050	ND	0.001	0.0014	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND ^	0.0025	ND ^	0.0025	ND
Silver	0.05	NP	ND	NP	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.010	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	NP	170	NP	160	50	210	25	140	50	160	50	130	100	320	25	170	50	200	50	150	50	240	50	280	50	180	50	210	50	170	50	200	50	200	25	120	20	130	50	150	50	210	50	260	50	280	50	210	100	390	100	270	100	410
Thallium	0.002	NP	ND	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	NP	740	NP	710	17	930	17	620	17	730	17	740	17	1000	17	760	26	970	26	840	10	850	10	980	10	770	10	760	10	660	10	860	10	790	10	700	10	710	10	750	10	630	10	890	10	950	10	920	10	1100	10	980	10	1300
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0080	ND	0.005	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	NP	0.012	NP	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	0.0073	0.020	ND	0.006	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND ^	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.005	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0013	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.03	ND	0.03	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.00086	0.0025	0.0041	0.0025	0.00058	0.0025	0.0019	0.0025	ND	0.0025	0.00053	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	7.88	NA	7.13	NA	7.02	NA	7.31	NA	6.48	NA	7.32	NA	7.15	NA	7.30	NA	7.28	NA	8.27	NA	6.99	NA	7.08	NA	7.23	NA	8.00	NA	7.10	NA	7.12	NA	7.37	NA	7.55	NA	7.33	NA	7.25	NA	7.06	NA	7.25	NA	7.10	NA	7.08	NA	7.21	NA	6.62	NA	7.36
Temperature	NA	NA	12.61	NA	13.66	NA	17.58	NA	14.67	NA	13.85	NA	16.31	NA	15.74	NA	17.90	NA	13.95	NA	14.20	NA	17.00	NA	16.66	NA	13.33	NA	9.77	NA	19.35	NA	22.73	NA	16.12	NA	10.59	NA	16.31	NA	20.65	NA	13.73	NA	11.18	NA	15.78	NA	24.68	NA	21.29	NA	10.32	NA	14.30
Conductivity	NA	NA	1.27	NA	1.14	NA	1.44	NA	0.85	NA	0.89	NA	0.98	NA	1.26	NA	0.96	NA	1.22	NA	1.30	NA	1.19	NA	1.22	NA	1.10	NA	0.92	NA	1.19	NA	1.38	NA	1.34	NA	0.91	NA	1.17	NA	1.21	NA	0.95	NA	0.96	NA	1.13	NA	1.41	NA	1.32	NA	1.03	NA	1.30
Dissolved Oxygen	NA	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	3.73	NA	5.16	NA	2.54	NA	3.55	NA	0.28	NA	0.20	NA	0.76	NA	2.38	NA	0.32	NA	0.98	NA	0.71	NA	2.74	NA	1.62	NA	0.57	NA	0.85	NA	1.10	NA	2.65	NA	1.84	NA	2.86	NA	2.00	NA	5.21
ORP	NA	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	0.47	NA	43	NA	-60	NA	-113.2	NA	-147.5	NA	-144.2	NA	-141.3	NA	-108.3	NA	-126.2	NA	-138.8	NA	-126.3	NA	-110.5	NA	-146.8	NA	-115.3	NA	-40.7	NA	-100.5	NA	-123.5	NA	-115.7	NA	-93.7	NA	-24.3	NA	-98.5

Notes: Standards obtained from IAC., Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.
Samples for inorganics were filtered.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured
NP - Not Provided

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value
F1 - MS and/or MSD Recovery outside of limits.

Temperature	°C	degrees Celcius
Conductivity	mS/cm	millisiemens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Sample: MW-12	Date	12/15/2010		2/15/2011		6/16/2011		9/19/2011		12/12/2011		3/19/2012		6/25/2012		9/18/2012		12/12/2012		2/27/2013		5/30/2013		7/29/2013		10/22/2013		3/4/2014		5/29/2014		8/26/2014		10/28/2014		2/24/2015		5/12/2015		8/19/2015		11/19/2015		2/26/2016		5/20/2016		8/18/2016		11/18/2016		2/16/2017		5/3/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	NP	ND	NP	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.0050	ND	0.003	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	NP	0.0088	NP	0.013	0.001	0.0064	0.001	0.0087	0.001	0.0089	0.001	0.0042	0.001	0.014	0.001	0.011	0.0050	0.022	0.001	0.0066	0.0010	0.0031	0.0010	0.016	0.0010	0.018	0.0010	0.0025	0.0010	0.0017	0.0010	0.0021	0.0010	0.0019	0.0010	ND	0.0010	0.0034	0.0010	0.0025	0.0010	0.0033	0.0010	0.0020	0.0010	0.0045 F1	0.0010	0.0038	0.0010	0.013	0.0010	0.0022	0.0010	0.0020
Barium	2.0	NP	0.089	NP	0.11	0.001	0.091	0.001	0.085	0.001	0.09	0.001	0.071	0.001	0.12	0.001	0.11	0.040	0.1	0.001	0.1	0.0025	0.091	0.0025	0.092	0.0025	0.087	0.0025	0.086	0.0025	0.073	0.0025	0.066	0.0025	0.063	0.0025	0.070	0.0025	0.071	0.0025	0.083	0.0025	0.091	0.0025	0.060	0.0025	0.094	0.0025	0.092	0.0025	0.096	0.0025	0.059	0.0025	0.074
Beryllium	0.004	NP	ND	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND
Boron	2.0	NP	1.6	NP	1.4	0.012	1.3	0.01	1.2	0.01	1.3	0.01	0.92	0.01	1.2	0.01	1.1	0.40	0.85	0.01	1.1	0.050	3.7	0.050	1.1	0.050	1.1	0.050	0.41	0.050	0.69	0.050	0.73	0.050	0.59	0.050	0.58	0.050	0.59	0.050	1.5	0.050	0.94	0.050	0.57	0.050	0.50	0.050	0.75	0.10	0.81	0.050	0.40	0.050	0.50
Cadmium	0.005	NP	ND	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	NP	170	NP	180	50	180	50	190	50	210	50	170	50	190	50	170	50	210	50	190	10	200	10	190	10	180	10	220	10	220	10	210	10	200	10	210	10	230	10	220	10	220	10	210	10	200 F1	10	210	10	180	10	190	10	190
Chromium	0.1	NP	ND	NP	0.0056	0.004	0.0044	0.004	0.0071	0.004	0.0047	0.004	ND	0.004	0.0043	0.004	0.0045	0.0030	0.0079	0.004	0.0052	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND^	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	NP	ND	NP	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.0030	ND	0.002	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	NP	ND	NP	ND	0.003	0.0032	0.003	0.0036	0.003	0.0031	0.003	ND	0.003	ND	0.003	ND	0.010	ND	0.003	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND^	0.0020	ND	0.0020	ND ^	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	NP	ND	NP	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.005	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	NP	0.71	NP	0.61	0.25	0.64	0.25	0.74	0.25	0.61	0.25	0.46	0.25	0.36	0.25	0.42	0.25	0.43	0.25	ND	0.10	0.62	0.10	0.56	0.10	0.51	0.10	0.56	0.10	0.42	0.10	0.54	0.10	0.54	0.10	0.58	0.10	0.52	0.10	0.59	0.10	0.58	0.10	0.41	0.10	0.48	0.10	0.53	0.10	0.53	0.10	0.42	0.10	0.37
Iron	5.0	NP	5.5	NP	6.3	0.010	5.6	0.010	4.0	0.010	3.1	0.010	4.8	0.010	8.2	0.010	8.9	0.010	6.4	0.01	5.8	0.10	8.9	0.10	4.5	0.10	0.23	0.10	2.4	0.10	0.39	0.10	0.17	0.10	0.33	0.10	1.7	0.10	0.48	0.10	2.2	0.10	0.61	0.10	0.88	0.10	1.2	0.10	1.5	0.10	2.2	0.10	0.76	0.10	2.1
Lead	0.0075	NP	ND	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0050	ND	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	NP	0.32	NP	0.58	0.001	0.26	0.001	0.37	0.001	0.25	0.001	0.13	0.001	0.71	0.001	0.64	0.040	1.7	0.001	0.38	0.0025	0.24	0.0025	1.3	0.0025	1.5	0.0025	0.23	0.0025	0.65	0.0025	1.2	0.0025	1.2	0.0025	0.17	0.0025	0.63	0.0025	0.16	0.0025	1.2	0.0025	0.065	0.0025	0.51	0.0025	1.0	0.0025	0.96	0.0025	0.079	0.0025	0.081
Mercury	0.002	NP	ND	NP	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.00020	ND	0.0002	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	NP	0.0096	NP	0.01	0.005	0.0072	0.005	0.0075	0.005	0.0091	0.005	0.0075	0.005	0.0082	0.005	0.012	0.010	ND	0.005	0.0065	0.0020	ND	0.0020	0.0029	0.0020	0.0028	0.0020	0.0020	0.0020	0.0026	0.0020	0.0033	0.0020	0.0031	0.0020	0.0031	0.0020	0.0022	0.0020	0.0020	0.0020	0.0023	0.0020	0.0020	0.0020	ND	0.0020	0.0037	0.0020	ND	0.0020	0.0022	0.0020	ND
Nitrogen/Nitrate	10.0	NP	ND	NP	ND	0.02	0.14	0.02	ND	0.02	ND	0.02	0.04	0.20	ND	0.02	0.03	0.02	ND	0.02	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND^	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND^	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.31	0.10	ND	0.10	ND
Nitrogen/Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.048	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.024	0.020	ND	0.020	ND	0.040	0.22	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	NP	0.0026	NP	0.0027	0.001	ND	0.001	0.0023	0.001	0.0034	0.001	0.0043	0.001	0.0038	0.001	0.0016	0.0050	ND	0.001	0.002	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND ^	0.0025	ND ^	0.0025	ND
Silver	0.05	NP	ND	NP	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.010	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	NP	290	NP	270	50	350	50	360	50	300	50	310	50	430	50	370	50	300	50	350	100	410	100	420	100	270	100	530	100	560	100	310	100	420	100	450	100	530	100	390	100	750	100	580	100	570	100	600	100	300	100	550	100	450
Thallium	0.002	NP	ND	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	NP	980	NP	1000	17	1100	17	970	17	970	17	1000	17	1200	17	1200	26	1100	26	1000	10	1200	10	1200	10	1000	10	1400	10	1300 H	10	1100	10	1000	10	1300	10	1400	10	1300	10	1400	10	1300	10	1300	10	1700	10	1300	10	1200	10	1200
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0080	ND	0.005	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	NP	ND	NP	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.020	ND	0.006	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND ^	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.005	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0013	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.03	ND	0.03	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0061	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	7.65	NA	7.51	NA	6.98	NA	7.66	NA	7.38	NA	7.22	NA	7.40	NA	7.50	NA	7.37	NA	8.36	NA	7.17	NA	7.29	NA	7.73	NA	7.99	NA	7.14	NA	7.37	NA	7.33	NA	7.61	NA	7.49	NA	7.43	NA	7.12	NA	7.96	NA	7.28	NA	7.06	NA	7.34	NA	7.54	NA	7.47
Temperature	NA	NA	16.90	NA	16.77	NA	18.77	NA	17.75	NA	17.78	NA	19.62	NA	19.07	NA	18.88	NA	17.51	NA	16.30	NA	21.42	NA	17.93	NA	14.78	NA	11.22	NA	19.48	NA	22.71	NA	16.37	NA	6.11	NA	18.19	NA	19.48	NA	14.85	NA	9.04	NA	15.14	NA	24.40	NA	17.01	NA	11.48	NA	14.00
Conductivity	NA	NA	1.69	NA	1.66	NA	1.63	NA	1.34	NA	1.38	NA	1.54	NA	1.63	NA	1.61	NA	1.48	NA	1.60	NA	1.63	NA	1.47	NA	1.20	NA	1.30	NA	1.73	NA	1.69	NA	1.55	NA	1.24	NA	1.76	NA	1.74	NA	1.59	NA	1.29	NA	1.55	NA	1.91	NA	1.39	NA	1.34	NA	1.29
Dissolved Oxygen	NA	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	0.06	NA	0.11	NA	1.70	NA	0.35	NA	1.04	NA	0.25	NA	0.20	NA	1.43	NA	1.59	NA	0.36	NA	0.36	NA	1.29	NA	1.87	NA	1.13	NA	1.49	NA	1.31	NA	2.73	NA	2.81	NA	1.51	NA	1.68	NA	3.77
ORP	NA	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	-168	NA	-157	NA	-130	NA	-141.2	NA	-146.5	NA	-85.9	NA	-205.6	NA	-91.9	NA	-23.6	NA	-49.2	NA	6.0	NA	-80.6	NA	-55.7	NA	-109.9	NA	36.6	NA	-134	NA	-91.4	NA	8.9	NA	-110.1	NA	1.9	NA	-74.9

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.
Samples for inorganics were filtered.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured
NP - Not Provided

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value
F1 - MS and/or MSD Recovery outside of limits.

Temperature	°C	degrees Celcius
Conductivity	mS/cm	millisiemens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Sample: MW-13	Date	12/15/2010		2/15/2011		4/25/2011		6/16/2011		8/9/2011		10/13/2011		12/12/2011		4/10/2012		12/14/2012		2/28/2013		5/30/2013		7/30/2013		10/22/2013		3/4/2014		5/28/2014		8/27/2014		10/29/2014		2/26/2015		5/13/2015		8/19/2015		11/19/2015		2/24/2016		5/19/2016		8/18/2016		11/17/2016		2/17/2017		5/4/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	NP	ND	NP	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.0050	ND	0.003	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0060	ND	0.0030	ND
Arsenic	0.010	NP	0.011	NP	0.0069	0.001	0.0063	0.001	0.0057	0.001	0.0048	0.001	0.0066	0.001	0.023	0.001	0.027	0.0050	0.041	0.001	0.029	0.0010	0.031	0.0010	0.029	0.0010	0.024	0.0010	0.028	0.0010	0.024	0.0010	0.028	0.0010	0.031	0.0010	0.028	0.0010	0.028	0.0010	0.033	0.0010	0.030	0.0010	0.027	0.0010	0.027	0.0010	0.033	0.0010	0.027	0.0010	0.028	0.0050	0.024	0.0010	0.028
Barium	2.0	NP	0.11	NP	0.052	0.001	0.073	0.001	0.059	0.001	0.046	0.001	0.083	0.001	0.21	0.001	0.14	0.0020	0.3	0.001	0.19	0.0025	0.23	0.0025	0.23	0.0025	0.16	0.0025	0.21	0.0025	0.22	0.0025	0.21	0.0025	0.24	0.0025	0.24	0.0025	0.27	0.0025	0.25	0.0025	0.14	0.0025	0.23	0.0025	0.12	0.0025	0.23	0.0025	0.094	0.013	0.14	0.0025	0.075
Beryllium	0.004	NP	ND	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0020	ND ^	0.0010	ND
Boron	2.0	NP	3.9	NP	3.1	0.01	2.6	0.012	3.0	0.01	2.7	0.01	3.0	0.01	4.1	0.01	4.0	1.0	3.6	0.01	4.2	0.050	1.6	0.050	3.8	0.050	3.5	0.050	2.9	0.25	3.5	0.050	3.0	0.050	2.2	0.25	3.5	0.50	3.8	0.25	3.6	0.050	3.2	0.50	3.7	0.050	2.9	0.050	3.0	0.50	3.7	0.10	3.0	0.25	3.0
Cadmium	0.005	NP	ND	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND
Chloride	200.0	NP	160	NP	120	25	100	25	86	25	110	25	110	100	180	50	170	50	210	50	170	10	190	10	190	10	180	10	190	10	180	10	190	10	180	10	180	10	180	10	190	10	170 F1	10	180	10	170	10	180	10	160	10	170	10	170
Chromium	0.1	NP	0.0062	NP	0.0042	0.004	0.0045	0.004	ND	0.004	ND	0.004	0.01	0.004	0.0055	0.004	0.0055	0.0030	0.011	0.004	0.0057	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND^	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.010	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	NP	0.0031	NP	0.0026	0.002	0.0023	0.002	0.0022	0.002	0.0031	0.002	ND	0.002	ND	0.002	ND	0.0030	ND	0.002	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0020	ND	0.0010	ND
Copper	0.65	NP	0.0068	NP	0.0037	0.003	0.0041	0.003	0.004	0.003	0.004	0.003	0.0055	0.003	0.0066	0.003	0.0068	0.010	ND	0.003	0.0037	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND^	0.0020	ND	0.0020	ND ^	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0040	ND ^	0.0020	ND
Cyanide	0.2	NP	ND	NP	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.005	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	NP	0.28	NP	0.29	0.25	0.31	0.25	0.44	0.25	0.38	0.25	0.30	0.25	ND	0.25	0.32	0.25	ND	0.25	ND	0.10	0.39	0.10	0.39	0.10	0.39	0.10	0.36	0.10	0.35	0.10	0.40	0.10	0.40	0.10	0.37	0.10	0.39	0.10	0.34	0.10	0.37	0.10	0.38	0.10	0.36	0.10	0.35	0.10	0.34	0.10	0.31	0.10	0.29
Iron	5.0	NP	0.69	NP	0.052	0.010	0.077	0.010	ND	0.010	0.043	0.010	ND	0.010	0.11	0.010	0.20	0.010	0.066	0.01	0.28	0.10	1.3	0.10	1.6	0.10	0.29	0.10	1.8	0.10	0.74	0.10	0.63	0.10	0.98	0.10	0.69	0.10	0.92	0.10	1.0	0.10	0.85	0.10	1.0	0.10	0.88	0.10	1.0	0.10	0.96	0.10	0.67	0.10	2.1
Lead	0.0075	NP	ND	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0050	ND	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND
Manganese	0.15	NP	5	NP	3.8	0.001	2.7	0.001	2.9	0.001	2.6	0.001	3.6	0.001	3.5	0.001	3.5	0.0020	3.7	0.001	3.5	0.0025	3.8	0.0025	4.0	0.0025	2.8	0.0025	2.9	0.0025	3.4	0.0025	3.5	0.0025	3.8	0.0025	3.8	0.0025	3.9	0.025	4.7	0.0025	4.3	0.0025	4.5	0.0025	4.4	0.0025	4.9	0.0025	5.0	0.0025	4.5	0.025	5.2
Mercury	0.002	NP	ND	NP	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.00020	ND	0.0002	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	NP	0.03	NP	0.023	0.005	0.021	0.005	0.018	0.005	0.016	0.005	0.015	0.005	0.022	0.005	0.02	0.010	ND	0.005	0.011	0.0020	ND	0.0020	0.0027	0.0020	0.0024	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0020	0.0020	0.0040	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0035	0.0020	ND	0.0020	ND	0.0020	ND	0.0040	ND	0.0020	0.0048
Nitrogen/Nitrate	10.0	NP	0.14	NP	1.3	0.02	1.8	0.20	2.2	0.50	3.6	0.02	1.6	0.02	0.07	0.02	0.06	0.02	ND	0.02	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.25
Nitrogen/Nitrate, Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.30
Nitrogen/Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.047
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	NP	0.0046	NP	0.0046	0.001	0.0045	0.001	0.0029	0.001	0.0056	0.001	0.004	0.001	0.0036	0.001	0.0037	0.0050	ND	0.001	0.0025	0.0025	0.010	0.0025	0.0095	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0047	0.0025	0.0045	0.0025	ND	0.0025	0.012	0.0025	0.0066	0.0025	0.0031	0.0025	0.0036	0.0025	0.011	0.0025	0.0043	0.0025	ND	0.0050	ND ^	0.0025	0.019
Silver	0.05	NP	ND	NP	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.010	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND
Sulfate	400.0	NP	1400	NP	770	250	580	100	540	100	440	250	660	250	1100	500	1100	500	1100	250	730	250	880	250	1000	250	690	250	660	250	630	250	740	250	1400	250	1000	250	1100	250	1300	250	1700	500	1300	500	1200	500	1500	500	1700	500	1700	500	1800
Thallium	0.002	NP	ND	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0040	ND	0.0020	ND
Total Dissolved Solids	1,200	NP	2600	NP	1600	17	1400	17	1300	17	1100	17	1500	17	2100	17	2300	26	1900	26	1600	10	2000	10	2000	10	1700	10	1900	10	2100	10	2300	10	2200	10	2300	10	2600	10	2500	10	2400	10	2600	10	2800	10	3300	10	3400	10	3500	10	3500
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0080	ND	0.005	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	NP	ND	NP	ND	0.006	ND	0.006	ND	0.006	ND	0.006	0.06	0.006	ND	0.006	ND	0.020	ND	0.006	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.040	ND ^	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.005	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.03	ND	0.03	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0033	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	7.68	NA	7.53	NA	7.26	NA	6.75	NA	7.13	NA	7.31	NA	7.19	NA	8.49	NA	7.92	NA	8.26	NA	7.65	NA	7.61	NA	7.81	NA	8.67	NA	7.73	NA	7.82	NA	7.72	NA	8.20	NA	7.99	NA	8.03	NA	7.57	NA	7.67	NA	7.60	NA	7.53	NA	7.65	NA	7.87	NA	7.82
Temperature	NA	NA	12.59	NA	13.82	NA	14.40	NA	16.84	NA	15.92	NA	14.87	NA	13.78	NA	14.90	NA	14.88	NA	14.00	NA	18.10	NA	16.26	NA	12.38	NA	12.91	NA	23.09	NA	20.49	NA	13.90	NA	9.51	NA	16.67	NA	19.27	NA	12.62	NA	9.43	NA	17.47	NA	25.95	NA	20.32	NA	15.28	NA	11.67
Conductivity	NA	NA	3.33	NA	2.15	NA	1.92	NA	1.79	NA	1.63	NA	1.59	NA	2.33	NA	2.89	NA	2.15	NA	2.05	NA	2.12	NA	2.13	NA	1.83	NA	1.72	NA	2.63	NA	2.50	NA	3.41	NA	2.11	NA	2.78	NA	2.91	NA	2.36	NA	2.21	NA	2.81	NA	3.48	NA	3.12	NA	3.05	NA	2.68
Dissolved Oxygen	NA	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	3.54	NA	1.69	NA	1.16	NA	0.27	NA	0.94	NA	0.99	NA	0.93	NA	0.34	NA	0.84	NA	1.60	NA	1.10	NA	1.20	NA	0.96	NA	1.56	NA	1.02	NA	1.79	NA	1.13	NA	1.76	NA	4.03
ORP	NA	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	-20	NA	134	NA	-177.9	NA	-171.2	NA	-189.1	NA	-190.9	NA	-44.7	NA	-128.5	NA	-140.4	NA	-161.4	NA	-175.5	NA	-153.2	NA	-76.2	NA	-137.5	NA	-147.5	NA	-195.8	NA	-81.0	NA	-93.1	NA	-151.5

Notes: Standards obtained from IAC., Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.
Samples for inorganics were filtered.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured
NP - Not Provided

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value
F1 - MS and/or MSD Recovery outside of limits.

Temperature °C degrees Celcius
Conductivity mS/cm millisiemens/centimeters
Dissolved Oxygen mg/L milligrams/liter
Oxygen Reduction Potential (ORP) mV millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Sample: MW-14	Date	12/15/2010		2/15/2011		4/25/2011		6/16/2011		8/9/2011		10/13/2011		12/12/2011		4/10/2012		12/14/2012		2/27/2013		5/30/2013		7/30/2013		10/23/2013		3/4/2014		5/28/2014		8/28/2014		10/29/2014		2/26/2015		5/13/2015		8/19/2015		11/18/2015		2/24/2016		5/19/2016		8/18/2016		11/17/2016		2/17/2017		5/4/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	NP	ND	NP	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.0050	ND	0.003	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0060	ND	0.0030	ND
Arsenic	0.010	NP	0.024	NP	0.019	0.001	0.0084	0.001	0.005	0.001	0.0062	0.001	0.015	0.001	0.0033	0.001	0.0039	0.0050	0.0053	0.001	0.0066	0.0010	0.0023	0.0010	0.0016	0.0010	ND	0.0010	0.0016	0.0010	0.0011	0.0010	0.0052	0.0010	0.0063	0.0010	0.0011	0.0010	0.0017	0.0010	0.0020	0.0010	0.0023	0.0010	0.0024	0.0010	0.0027	0.0010	0.0013	0.0010	ND	0.0020	ND ^	0.0010	0.0012
Barium	2.0	NP	0.034	NP	0.034	0.001	0.036	0.001	0.04	0.001	0.041	0.001	0.04	0.001	0.045	0.001	0.045	0.0020	0.038	0.001	0.032	0.0025	0.053	0.0025	0.042	0.0025	0.050	0.0025	0.044	0.0025	0.033	0.0025	0.057	0.0025	0.045	0.0025	0.050	0.0025	0.042	0.0025	0.069	0.0025	0.053	0.0025	0.050	0.0025	0.050	0.0025	0.055	0.0025	0.065	0.013	0.070	0.0025	0.054
Beryllium	0.004	NP	ND	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0020	ND ^	0.0010	ND
Boron	2.0	NP	2	NP	1.9	0.01	1.9	0.01	1.9	0.01	1.8	0.01	1.9	0.01	1.9	0.01	1.8	2.0	ND	0.01	1.9	0.050	1.7	0.050	1.7	0.050	2.0	0.050	1.6	0.25	1.8	0.050	1.9	0.50	2.2	0.25	2.2	0.25	1.7	0.050	1.9	0.050	2.5	0.050	2.3	0.050	2.2	0.050	1.5	0.25	1.8	0.10	2.3	0.25	2.5
Cadmium	0.005	NP	ND	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.00050	0.00060	0.00050	0.00086	0.00050	0.00062	0.00050	0.00053	0.00050	ND	0.00050	0.00052	0.00050	ND	0.00050	ND	0.00050	0.00056	0.00050	0.00070	0.00050	0.00051	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00082	0.0010	ND	0.00050	ND
Chloride	200.0	NP	160	NP	160	25	160	50	160	25	240	100	200	100	200	50	190	50	190	25	92	10	160	10	190	10	190	10	220	10	140	10	190	10	180	10	180	10	180	10	150	10	160	10	130	10	140	10	160	10	170	10	190	10	180
Chromium	0.1	NP	ND	NP	0.0046	0.004	0.0078	0.004	0.0049	0.004	0.0076	0.004	0.0096	0.004	0.0065	0.004	0.0057	0.0030	0.018	0.004	0.0095	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND^	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.010	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	NP	ND	NP	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.0030	ND	0.002	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0020	ND	0.0010	0.0012
Copper	0.65	NP	0.0037	NP	0.0035	0.003	0.0074	0.003	0.0071	0.003	0.0064	0.003	0.0055	0.003	0.025	0.003	0.0067	0.010	ND	0.003	0.003	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND^	0.0020	ND	0.0020	ND ^	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0040	ND ^	0.0020	ND
Cyanide	0.2	NP	ND	NP	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.005	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	NP	1.7	NP	1.6	0.25	1.1	0.25	1.3	0.25	1.4	0.25	0.88	0.25	1.1	0.25	1.0	0.25	1.2	0.25	0.29	0.10	1.1	0.10	1.1	0.10	0.95	0.10	0.96	0.10	0.95	0.10	0.91	0.10	0.94	0.10	0.76	0.10	0.98	0.10	1.1	0.10	1.1	0.10	1.1	0.10	1.0	0.10	0.96	0.10	0.96	0.10	0.86	0.10	0.81
Iron	5.0	NP	2.2	NP	0.94	0.010	0.36	0.010	0.30	0.010	0.71	0.010	2.0	0.010	0.12	0.010	0.77	0.010	0.012	0.01	0.02	0.10	ND	0.10	ND	0.10	0.39	0.10	1.2	0.10	0.60	0.10	4.6	0.10	5.3	0.10	0.17	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.18	0.10	2.0	0.10	3.0
Lead	0.0075	NP	ND	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	0.0035	0.0050	ND	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00078	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND
Manganese	0.15	NP	0.68	NP	0.81	0.001	0.29	0.001	0.36	0.001	0.57	0.001	0.84	0.001	0.067	0.001	0.63	0.0020	0.11	0.001	0.12	0.0025	0.72	0.0025	0.32	0.0025	1.2	0.0025	1.3	0.0025	0.34	0.0025	1.8	0.0025	1.3	0.0025	0.15	0.0025	0.073	0.0025	0.32	0.0025	1.2	0.0025	0.070	0.0025	0.25	0.0025	0.26	0.0025	0.81	0.0025	1.8	0.0025	1.7
Mercury	0.002	NP	ND	NP	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.00020	ND	0.0002	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	NP	0.015	NP	0.015	0.005	0.02	0.005	0.016	0.005	0.016	0.005	0.011	0.005	0.015	0.005	0.018	0.010	ND	0.005	0.0094	0.0020	0.0027	0.0020	0.0073	0.0020	0.0042	0.0020	0.0032	0.0020	0.0031	0.0020	0.0033	0.0020	0.0030	0.0020	0.0045	0.0020	0.0036	0.0020	0.0043	0.0020	0.0030	0.0020	0.0035	0.0020	ND	0.0020	0.0029	0.0020	0.0038	0.0040	ND	0.0020	0.0055
Nitrogen/Nitrate	10.0	NP	0.036	NP	ND	0.02	1.0	0.02	0.27	0.02	0.05	0.02	ND	0.02	0.33	0.02	0.31	0.02	0.32	0.2	3.5	0.10	ND	0.10	ND	0.10	0.16	0.10	ND	0.10	0.22	0.10	ND	0.10	ND	0.10	0.24	0.10	2.4	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.11	0.10	0.35	0.10	ND	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.10	ND	0.10	ND	0.10	0.18	0.10	ND	0.10	0.22	0.10	ND	0.10	ND	0.10	0.24	0.20	2.4	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.11	0.10	0.35	0.10	ND	0.10	0.11
Nitrogen/Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.020	ND	0.020	ND	0.020	0.022	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	NP	0.0024	NP	0.0015	0.001	0.065	0.001	0.0035	0.001	0.003	0.001	0.0017	0.001	0.0037	0.001	0.022	0.0050	0.0055	0.001	0.15	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.020	0.0025	0.014	0.0025	ND	0.0025	ND	0.0025	0.023	0.0025	0.042	0.0025	ND	0.0025	ND	0.0025	0.0035	0.0025	0.0076	0.0025	0.023	0.0025	ND ^	0.0050	ND ^	0.0025	ND
Silver	0.05	NP	ND	NP	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.010	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND
Sulfate	400.0	NP	960	NP	820	250	770	250	810	250	940	100	850	100	880	250	990	500	810	100	390	250	800	250	900	250	840	100	680	100	720	250	1100	250	1300	250	850	250	1200	250	1000	500	1200	250	1200	500	1500	500	1700						
Thallium	0.002	NP	0.0019	NP	0.0018	0.001	0.0035	0.001	0.0039	0.001	0.0027	0.001	0.0016	0.001	0.0016	0.001	0.0034	0.0010	0.0025	0.001	0.0043	0.0020	0.0025	0.0020	0.0043	0.0020	0.0022	0.0020	0.0023	0.0020	0.0026	0.0020	0.0023	0.0020	ND	0.0020	ND	0.0020	0.0044	0.0020	0.0065	0.0020	0.0033	0.0020	0.0043	0.0020	0.0028	0.0020	0.0041	0.0020	0.0048	0.0040	ND	0.0020	0.0028
Total Dissolved Solids	1,200	NP	1800	NP	1700	17	1800	17	1900	17	2000	17	1800	17	1800	17	2200	26	1700	26	1300	10	2000	10	2100	10	2100	10	1900	10	1700	10	2400	10	2200	10	2200	13	2700	10	2400	10	2300	10	1800	10	1800	10	2300	10	2900	10	3200	10	3600
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0080	0.010	0.005	0.007	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	NP	ND	NP	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	0.0084	0.020	ND	0.006	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.040	ND ^	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.005	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.03	ND	0.03	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.00069	0.0025	0.0061	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	7.55	NA	7.75	NA	7.27	NA	7.15	NA	7.08	NA	7.40	NA	6.05	NA	8.35	NA	7.13	NA	8.21	NA	7.03	NA	6.93	NA	7.11	NA	7.72	NA	6.99	NA	7.17	NA	7.31	NA	7.28	NA	7.04	NA	7.30	NA	7.03	NA	7.05	NA	7.03	NA	6.78	NA	6.80	NA	7.17	NA	7.23
Temperature	NA	NA	17.28	NA	14.52	NA	16.04	NA	17.94	NA	18.65	NA	16.54	NA	14.74	NA	15.10	NA	15.06	NA	14.50	NA	17.22	NA	16.52	NA	13.59	NA	12.83	NA	17.53	NA	20.10	NA	14.66	NA	6.67	NA	16.35	NA	21.01	NA	17.89	NA	10.84	NA	16.54	NA	22.91	NA	17.82	NA	15.94	NA	12.98
Conductivity	NA	NA	2.61	NA	2.42	NA	2.44	NA	2.60	NA	2.74	NA	2.07	NA	2.00	NA	2.92	NA	2.06	NA	1.72	NA	1.98	NA	2.17	NA	2.10	NA	1.74	NA	2.00	NA	2.83	NA	3.49	NA	1.89	NA	2.98	NA	2.90	NA	2.62	NA	1.81	NA	2.02	NA	2.53	NA	2.86	NA	3.22	NA	2.85
Dissolved Oxygen	NA	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	2.00	NA	3.88	NA	0.72	NA	0.31	NA	0.51	NA	1.55	NA	0.42	NA	0.37	NA	0.66	NA	4.11	NA	1.03	NA	1.15	NA	0.59	NA	2.50	NA	2.16	NA	3.44	NA	1.49	NA	3.18	NA	4.79
ORP	NA	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	80	NA	127	NA	5.9	NA	2.8	NA	-146.8	NA	-77.3	NA	-26.4	NA	-41.2	NA	-105.4	NA	52.4	NA	9.8	NA	-30.6	NA	67.6	NA	-8.6	NA	-13.5	NA	-128.8	NA	5.1	NA	-4.9	NA	-64.1

Notes: Standards obtained from IAC., Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.
Samples for inorganics were filtered.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured
NP - Not Provided

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value
F1 - MS and/or MSD Recovery outside of limits.

Temperature °C degrees Celcius
Conductivity mS/cm millisiemens/centimeters
Dissolved Oxygen mg/L milligrams/liter
Oxygen Reduction Potential (ORP) mV millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Sample: MW-15	Date	12/15/2010		2/15/2011		4/25/2011		6/16/2011		8/9/2011		10/13/2011		12/12/2011		4/10/2012		12/14/2012		2/28/2013		5/30/2013		7/30/2013		10/23/2013		3/6/2014		5/28/2014		8/27/2014		10/28/2014		2/26/2015		5/14/2015		8/19/2015		11/18/2015		2/25/2016		5/19/2016		8/18/2016		11/17/2016		2/17/2017		5/4/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	NP	ND	NP	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.0050	ND	0.003	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0060	ND	0.0030	ND
Arsenic	0.010	NP	0.0099	NP	0.0092	0.001	0.0064	0.001	0.0052	0.001	0.0053	0.001	0.011	0.001	0.0097	0.001	0.0061	0.0050	0.011	0.001	0.0078	0.0010	0.0037	0.0010	0.0046	0.0010	0.0066	0.0010	0.0072	0.0010	0.0019	0.0010	0.0029	0.0010	0.0059	0.0010	0.0017	0.0010	0.0024	0.0010	0.0020	0.0010	0.0032	0.0010	0.0019	0.0010	0.0019	0.0010	0.0018	0.0010	0.0011	0.0050	ND	0.0010	0.0031
Barium	2.0	NP	0.058	NP	0.052	0.001	0.061	0.001	0.11	0.001	0.057	0.001	0.06	0.001	0.063	0.001	0.075	0.0020	0.11	0.001	0.096	0.0025	0.11	0.0025	0.080	0.0025	0.12	0.0025	0.098	0.0025	0.068	0.0025	0.14	0.0025	0.14	0.0025	0.10	0.0025	0.12	0.0025	0.070	0.0025	0.083	0.0025	0.059	0.0025	0.078	0.0025	0.045	0.0025	0.053	0.013	0.048	0.0025	0.042
Beryllium	0.004	NP	ND	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0020	ND ^	0.0010	ND
Boron	2.0	NP	1.6	NP	1.4	0.01	1.5	0.01	1.6	0.01	1.3	0.02	1.2	0.01	1.2	0.01	1.4	2.0	ND	0.01	1.7	0.050	1.5	0.050	1.6	0.050	1.2	0.050	1.1	0.25	1.2	0.050	0.95	0.050	0.74	0.25	1.1	0.25	1.4	0.050	1.9	0.050	1.5	0.25	2.4	0.050	1.9	0.050	1.8	0.25	2.0	0.10	1.6	0.25	1.4
Cadmium	0.005	NP	ND	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND
Chloride	200.0	NP	180	NP	190	25	190	50	170	25	210	100	180	100	200	50	200	50	220	50	200	10	210	10	220	10	210	10	240	10	220	10	240	10	230	10	240	10	230	10	110	10	200	10	110	10	230	10	170	10	180	10	190 F1	10	170
Chromium	0.1	NP	0.0042	NP	0.0061	0.004	0.0092	0.004	0.0054	0.004	0.0091	0.004	0.0062	0.004	0.0062	0.004	0.0071	0.0030	0.012	0.004	0.0062	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND^	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	NP	ND	NP	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.0030	ND	0.002	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0020	ND	0.0010	ND
Copper	0.65	NP	ND	NP	ND	0.003	0.0039	0.003	0.005	0.003	0.0041	0.003	0.0037	0.003	0.0031	0.003	0.0039	0.010	ND	0.003	0.0036	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND^	0.0020	ND	0.0020	ND ^	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0040	ND ^	0.0020	ND
Cyanide	0.2	NP	ND	NP	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.005	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	NP	0.69	NP	0.75	0.25	0.60	0.25	0.73	0.25	0.76	0.25	0.77	0.25	0.75	0.25	0.79	0.25	0.95	0.25	0.29	0.10	0.65	0.10	0.78	0.10	0.71	0.10	0.78	0.10	0.65	0.10	0.67	0.10	0.71	0.10	0.64	0.10	0.47	0.10	0.57	0.10	0.52	0.10	0.63	0.10	0.52	0.10	0.56	0.10	0.53	0.10	0.49	0.10	0.55
Iron	5.0	NP	3.3	NP	2.4	0.010	2.1	0.010	0.70	0.010	2.1	0.010	2.6	0.010	2.1	0.010	1.1	0.010	1.9	0.01	1.5	0.10	0.83	0.10	1.3	0.10	1.1	0.10	2.0	0.10	0.37	0.10	0.78	0.10	2.1	0.10	0.28	0.10	0.44	0.10	0.17	0.10	1.8	0.10	0.11	0.10	0.64	0.10	0.81	0.10	0.22	0.10	0.66	0.10	1.4
Lead	0.0075	NP	ND	NP	ND	0.001	0.0012	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0050	ND	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND
Manganese	0.15	NP	0.56	NP	0.42	0.001	0.36	0.001	0.6	0.001	0.37	0.001	0.48	0.001	0.39	0.001	0.25	0.0020	0.51	0.001	0.35	0.0025	0.27	0.0025	0.30	0.0025	0.43	0.0025	0.59	0.0025	0.30	0.0025	0.95	0.0025	0.87	0.0025	0.40	0.0025	0.42	0.0025	0.18	0.0025	1.3	0.0025	0.095	0.0025	0.59	0.0025	0.52	0.0025	0.19	0.0025	0.43	0.0025	0.67
Mercury	0.002	NP	ND	NP	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.00020	ND	0.0002	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	NP	0.013	NP	0.011	0.005	0.012	0.005	0.015	0.005	0.01	0.005	0.011	0.005	0.011	0.005	0.01	0.010	ND	0.005	0.0079	0.0020	0.0072	0.0020	0.0063	0.0020	0.0052	0.0020	0.0034	0.0020	0.0047	0.0020	0.0038	0.0020	0.0037	0.0020	0.0090	0.0020	0.010	0.0020	0.0057	0.0020	0.0082	0.0020	0.0076	0.0020	0.0089	0.0020	0.0055	0.0020	0.0063	0.0040	0.0050	0.0020	0.005!
Nitrogen/Nitrate	10.0	NP	0.03	NP	0.086	0.02	0.04	0.02	0.07	0.02	0.05	0.02	ND	0.02	0.07	0.02	0.12	0.02	0.12	0.02	0.02	0.10	ND	0.10	ND	0.10	0.22	0.10	ND	0.10	0.40	0.10	ND	0.10	ND	0.10	0.18	0.10	0.10	0.10	0.34	0.10	ND	0.10	2.0	0.10	ND	0.10	ND	0.10	0.17	0.10	ND	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.10	ND	0.10	ND	0.10	0.22	0.10	ND	0.10	0.40	0.10	ND	0.10	ND^	0.10	0.18	0.10	0.10	0.10	0.34	0.10	ND	0.10	2.0	0.10	ND	0.10	ND	0.10	0.17	0.10	ND	0.10	ND
Nitrogen/Nitrite	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.046	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND F1	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	NP	0.0042	NP	0.0079	0.001	0.017	0.001	0.004	0.001	0.002	0.001	0.004	0.001	0.0047	0.001	0.025	0.0050	ND	0.001	0.0024	0.0025	0.0065	0.0025	ND	0.0025	0.013	0.0025	ND	0.0025	0.033	0.0025	ND	0.0025	0.0030	0.0025	0.068	0.0025	0.051	0.0025	0.013	0.0025	0.0080	0.0025	0.042	0.0025	0.015	0.0025	ND	0.0025	0.017	0.013	ND	0.0025	ND F1
Silver	0.05	NP	ND	NP	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.010	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND
Sulfate	400.0	NP	300	NP	220	100	270	100	650	50	250	100	180	100	140	50	200	50	320	50	280	250	570	100	460	100	420	100	260	100	390	130	620	100	660	100	460	250	930	250	640	250	1500	250	670	500	1100	100	620	130	570	130	610	100	480
Thallium	0.002	NP	ND	NP	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.001	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0040	ND	0.0020	ND
Total Dissolved Solids	1,200	NP	1000	NP	1000	17	1100	17	1600	17	1000	17	890	17	840	17	1000	26	1100	26	1100	10	1700	10	1400	10	1400	10	1300	10	1300	10	1800	10	1600	10	1400	10	2500	10	1900	10	2400	10	1600	10	2800	10	1900	10	1900	10	1700	10	1500
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0080	ND	0.005	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	NP	ND	NP	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.006	ND	0.020	ND	0.006	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.040	ND ^	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.005	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.03	ND	0.03	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.00054	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	7.43	NA	7.23	NA	7.06	NA	6.79	NA	6.89	NA	7.37	NA	6.84	NA	8.23	NA	7.30	NA	8.09	NA	6.71	NA	6.93	NA	7.18	NA	7.75	NA	6.89	NA	7.45	NA	7.36	NA	7.53	NA	7.05	NA	7.07	NA	6.55	NA	6.84	NA	6.83	NA	6.96	NA	6.91	NA	7.24	NA	7.35
Temperature	NA	NA	15.96	NA	15.59	NA	16.50	NA	17.95	NA	18.41	NA	13.38	NA	16.50	NA	15.20	NA	16.25	NA	13.30	NA	18.64	NA	16.91	NA	15.59	NA	14.71	NA	20.04	NA	26.66	NA	17.05	NA	7.93	NA	15.57	NA	19.19	NA	15.04	NA	11.00	NA	18.10	NA	23.69	NA	18.29	NA	17.81	NA	14.56
Conductivity	NA	NA	1.78	NA	1.66	NA	1.70	NA	2.23	NA	1.66	NA	1.25	NA	1.20	NA	1.51	NA	1.58	NA	1.00	NA	1.97	NA	1.62	NA	1.58	NA	1.29	NA	1.80	NA	2.32	NA	2.26	NA	1.41	NA	2.67	NA	2.45	NA	2.55	NA	1.73	NA	2.89	NA	2.52	NA	2.05	NA	2.09	NA	1.74
Dissolved Oxygen	NA	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	0.09	NA	0.37	NA	0.40	NA	0.16	NA	0.28	NA	1.15	NA	0.65	NA	0.57	NA	0.45	NA	1.36	NA	0.83	NA	1.51	NA	0.70	NA	1.36	NA	2.53	NA	1.76	NA	3.28	NA	2.30	NA	3.87
ORP	NA	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	NM	NA	-90	NA	-87	NA	-9.3	NA	-48.3	NA	-180.6	NA	-141.6	NA	-8.6	NA	-30.9	NA	-84.6	NA	-34.4	NA	-25.7	NA	-29.2	NA	31.9	NA	22.8	NA	-0.2	NA	-60.6	NA	-27.3	NA	20.3	NA	-74.4

Notes: Standards obtained from IAC., Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.
Samples for inorganics were filtered.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured
NP - Not Provided

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value
F1 - MS and/or MSD Recovery outside of limits.

Temperature °C degrees Celcius
Conductivity m/s/cm millisiemens/centimeters
Dissolved Oxygen mg/L milligrams/liter
Oxygen Reduction Potential (ORP) mV millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Sample: MW-16	Date	12/15/2010		2/15/2011		4/25/2011		6/16/2011		8/9/2011		10/13/2011		12/12/2011		4/10/2012		12/12/2012		2/27/2013		5/29/2013		7/29/2013		10/22/2013		3/3/2014		5/30/2014		8/26/2014		10/30/2014		2/24/2015		5/12/2015		8/18/2015		11/16/2015		2/24/2016		5/16/2016		8/19/2016		11/16/2016		2/15/2017		5/2/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0050	ND	0.003	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0050	ND	0.001	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Barium	2.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.020	0.039	0.001	0.042	0.0025	0.038	0.0025	0.035	0.0025	0.037	0.0025	0.060	0.0025	0.036	0.0025	0.035	0.0025	0.034	0.0025	0.038	0.0025	0.037	0.0025	0.039	0.0025	0.038	0.0025	0.043	0.0025	0.043	0.0025	0.039	0.0025	0.041	0.0025	0.040	0.0025	0.039
Beryllium	0.004	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0010	ND	0.001	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND
Boron	2.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.20	ND	0.01	0.13	0.050	0.20	0.050	0.26	0.050	0.35	0.050	0.17	0.050	0.17	0.050	0.15	0.050	0.14	0.050	0.17	0.050	0.15	0.050	0.25	0.050	1.0	0.050	0.63	0.050	0.23	0.050	0.19	0.050	0.18	0.050	0.17	0.050	0.14
Cadmium	0.005	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0010	ND	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	10	26	10	18	2.0	19	2.0	21	2.0	35	10	230	2.0	20	2.0	25	2.0	24	2.0	24	2.0	29	2.0	29	2.0	33	2.0	45	2.0	33	2.0	33	2.0	26	2.0	29	2.0	33
Chromium	0.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0030	0.0047	0.004	0.0052	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND^	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0030	ND	0.002	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.010	ND	0.003	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND^	0.0020	ND	0.0020	ND ^	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0050	ND	0.005	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.25	ND	0.25	ND	0.10	ND	0.10	0.11	0.10	0.11	0.10	ND	0.10	0.11	0.10	0.11	0.10	0.10	0.10	0.11	0.10	0.11	0.10	0.10	0.10	0.10	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Iron	5.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.010	0.012	0.01	0.019	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Lead	0.0075	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0050	ND	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0020	0.022	0.001	0.0053	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0035	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0025	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0059	0.0025	ND	0.0025	ND
Mercury	0.002	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.00020	ND	0.0002	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.010	ND	0.005	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.50	18	0.5	23	0.10	20	0.10	13	0.10	19	0.10	16	0.10	21	0.10	22	0.10	28	0.10	28	0.10	24	0.10	19	0.10	17	0.10	16	0.10	22	0.10	25	0.10	27	0.10	23	0.10	27
Nitrogen/Nitrate, Nitrite	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	2.5	20	2.5	13	1.0	19	2.0	16	2.5	21	2.0	22	2.5	28	2.0	28	2.0	24	2.0	19	1.0	17	1.0	16	2.0	22	2.0	25	2.0	27	2.5	23	2.5	27
Nitrogen/Nitrite	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0050	ND	0.001	0.0015	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND ^	0.0025	ND
Silver	0.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.010	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	10	37	10	31	20	50	20	55	20	55	10	34	10	40	10	35	10	54	10	27	10	33	20	64	25	57	10	50	10	40	10	43	10	38	10	33	10	43
Thallium	0.002	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0010	ND	0.001	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	26	520	26	420	10	460	10	440	10	540	10	800	10	390	10	440	10	510	10	490	10	530	10	540	10	460	10	510	10	530	10	620	10	540	10	520	10	560
Vanadium	0.049	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0080	ND	0.005	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND^	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.020	ND	0.006	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND ^	0.020	ND
Benzene	0.005	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.005	ND	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND
BETX	11.705	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.03	ND	0.03	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0011	0.0025	ND	0.0025	0.0018	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	7.38	NA	8.31	NA	7.10	NA	7.18	NA	7.27	NA	7.85	NA	7.20	NA	7.41	NA	7.30	NA	7.56	NA	7.35	NA	7.19	NA	6.78	NA	7.23	NA	7.13	NA	7.09	NA	6.93	NA	6.72	NA	7.14
Temperature	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	12.84	NA	13.10	NA	15.29	NA	16.61	NA	12.74	NA	9.98	NA	17.83 *	NA	22.10	NA	13.09	NA	8.21	NA	12.56	NA	19.75	NA	13.05	NA	9.13	NA	14.63	NA	22.11	NA	16.10	NA	9.78	NA	13.99
Conductivity	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	0.61	NA	1.17	NA	0.60	NA	0.59	NA	0.63	NA	0.89	NA	0.88	NA	0.75	NA	0.94	NA	0.57	NA	0.67	NA	0.80	NA	0.62	NA	0.59	NA	0.68	NA	0.80	NA	0.67	NA	0.61	NA	0.65
Dissolved Oxygen	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	9.54	NA	8.53	NA	6.78	NA	4.91	NA	6.24	NA	6.50	NA	6.99	NA	6.84	NA	2.05	NA	8.44	NA	7.97	NA	7.43	NA	7.61	NA	7.95	NA	8.26	NA	7.50	NA	6.51	NA	8.00	NA	8.04
ORP	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	110	NA	-38	NA	70.2	NA	24.7	NA	-83.4	NA	315.3	NA	74.8	NA	36.7	NA	-2.7	NA	95.6	NA	105.0	NA	-9.1	NA	188.1	NA	43.3	NA	57.0	NA	67.0	NA	17.0	NA	214.2	NA	39.1

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.
Samples for inorganics were filtered.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured
NP - Not Provided

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits
* - Median Value
F1 - MS and/or MSD Recovery outside of limits.

Temperature °C degrees Celcius
Conductivity ms/cm millisiemens/centimeters
Dissolved Oxygen mg/L milligrams/liter
Oxygen Reduction Potential (ORP) mV millivolts

MW-17	Date	11/19/2015		2/22/2016		5/18/2016		8/17/2016		11/14/2016		2/13/2017		5/4/2017		6/22/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Boron	2.0	0.050	1.6	0.050	1.8	0.25	1.4	0.050	1.1	0.10	1.5	0.25	1.6	0.25	1.2	0.050	0.95
Calcium	NA	0.20	210	2.0	290	1.0	200	0.20	220	0.20	200	0.20	190	0.20	170	0.20	150
Chloride	200	10	230 H	10	280	10	230	10	220	10	210	10	230	10	210	10	230
Fluoride	4.0	0.10	0.43 H	0.10	0.55	0.10	0.64	0.10	0.60	0.10	0.56	0.10	0.56	0.10	0.61	0.10	0.72
pH (in standard units)	6.5 - 9.0	NA	7.11	NA	7.19	NA	7.02	NA	7.08	NA	7.26	NA	6.84	NA	7.29	NA	7.38
Sulfate	400	250	850 H	250	960	250	700	250	860	250	560	200	770	130	720	130	580
Total Dissolved Solids	1,200	10	1800 H	10	2100	10	1800	10	2100	10	2000	10	1600	10	1500	10	1600
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.01	0.0010	0.0028	0.0010	0.021	0.0010	0.32	0.0010	0.34	0.0010	0.19	0.0010	0.35	0.0010	0.24	0.0010	0.41
Barium	2.0	0.0025	0.14	0.0025	0.051	0.0025	0.12	0.0025	0.12	0.0025	0.073	0.0025	0.16	0.0025	0.39	0.0025	0.13
Beryllium	0.004	0.0010	ND^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0013	0.0010	ND
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	0.0011	0.00050	0.0010	0.00050	0.00051	0.00050	0.00093	0.00050	0.0023	0.00050	0.00070
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	0.0012	0.0010	0.0012	0.0010	0.0015	0.0010	0.0016	0.0010	0.0012	0.0010	0.0014	0.0010	0.0023	0.0010	0.0012
Fluoride	4.0	0.10	0.43 H	0.10	0.55	0.10	0.64	0.10	0.60	0.10	0.56	0.10	0.56	0.10	0.61	0.10	0.72
Lead	0.0075	0.00050	0.0012	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00079	0.00050	0.00066	0.00050	0.0011
Lithium	NA	0.010	0.019	0.010	0.038	0.010	0.026	0.010	0.022	0.010	0.022	0.010	0.019	0.010	0.016	0.010	0.022
Mercury	0.002	0.00020	ND H	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Molybdenum	NA	0.0050	0.035	0.0050	0.093	0.0050	0.12	0.0050	0.10	0.0050	0.042	0.0050	0.088	0.0050	0.036	0.0050	0.11
Selenium	0.05	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	0.0028	0.0020	0.0031	0.0020	0.0021	0.0020	0.0025	0.0020	0.0065	0.0020	0.0022
Radium 226 + 228 comb	40 pCi/L	0.790	ND	0.482	1.07	1.87	8.27	0.568	0.606	1.8	3.76	0.749	2.08	0.968	1.91	0.358	1.21

Notes: State Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.

All samples were unfiltered.
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection Limit
NA - Not Applicable
ND - Not Detected
NS - No Standard

^ - Denotes instrument related QC exceeds the control limits
H - Sample was prepped or analyzed beyond the specified hold time.

MW-18	Date	11/19/2015		2/22/2016		5/18/2016		8/17/2006		11/18/2016		2/15/2017		5/5/2017		6/21/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Boron	2.0	0.050	0.80	0.050	0.76	0.050	0.72	0.050	0.67	0.10	0.94	0.050	0.56	0.050	0.46	0.050	0.53
Calcium	NA	0.20	140	0.20	150	0.20	120	0.20	130	0.20	130	0.20	140	0.20	130	0.20	120
Chloride	200	10	220 H	10	220	10	230	10	210	10	200	10	190	10	180	10	190
Fluoride	4.0	0.10	0.66 H	0.10	0.68	0.10	0.71	0.10	0.64	0.10	0.58	0.10	0.50	0.10	0.52	0.10	0.51
pH (in standard units)	6.5 - 9.0	NA	7.62	NA	7.06	NA	7.68	NA	7.52	NA	7.69	NA	7.81	NA	8.12	NA	8.10
Sulfate	400	50	310 H	50	310	50	230	100	330	100	250	100	340	100	360	100	320
Total Dissolved Solids	1,200	10	1200 H	10	1200	10	1200	10	1300	10	1300	10	1200	10	1100	10	1200
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.01	0.0010	0.0014	0.0010	0.0012	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0032	0.0010	ND
Barium	2.0	0.0025	0.14	0.0025	0.15	0.0025	0.13	0.0025	0.14	0.0025	0.14	0.0025	0.14	0.0025	0.12	0.0025	0.12
Beryllium	0.004	0.0010	ND^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Fluoride	4.0	0.10	0.66 H	0.10	0.68	0.10	0.71	0.10	0.64	0.10	0.58	0.10	0.50	0.10	0.52	0.10	0.51
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00057	0.00050	ND
Lithium	NA	0.010	0.017	0.010	0.022	0.010	0.014	0.010	0.012	0.010	0.013	0.010	0.014	0.010	0.010	0.010	0.014
Mercury	0.002	0.00020	ND H	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Molybdenum	NA	0.0050	0.0051	0.0050	0.0055	0.0050	0.0052	0.0050	0.0059	0.0050	0.0053	0.0050	0.0058	0.0050	ND	0.0050	0.0051
Selenium	0.05	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Radium 226 + 228 comb	40 pCi/L	0.845	ND	0.934	1.88	0.493	ND	0.721	0.836	0.451	0.488	0.347	ND	0.596	0.612	0.329	0.629

Notes: State Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.

All samples were unfiltered.
All values are in mg/L (ppm) unless otherwise noted.
DL - Detection Limit
NA - Not Applicable
ND - Not Detected
NS - No Standard
^ - Denotes instrument related QC exceeds the control limits
H - Sample was prepped or analyzed beyond the specified hold time.

MW-19	Date	11/18/2016		2/15/2017		5/5/2017		6/21/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result
Boron	2.0	0.10	3.8	0.050	4.7	0.050	3.3	0.050	2.3
Calcium	NA	0.20	89	0.20	88	0.20	88	0.20	110
Chloride	200	2.0	38	2.0	37	2.0	38	2.0	35
Fluoride	4.0	0.10	0.13	0.10	0.13	0.10	0.14	0.10	0.12
pH (in standard units)	6.5 - 9.0	NA	7.34	NA	7.50	NA	7.51	NA	7.30
Sulfate	400	50	120	10	180	50	160	50	170
Total Dissolved Solids	1,200	10	670	10	630	10	640	10	690
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.01	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Barium	2.0	0.0025	0.084	0.0025	0.088	0.0025	0.076	0.0025	0.089
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	0.0010	0.0010	ND	0.0010	0.0013	0.0010	ND
Fluoride	4.0	0.10	0.13	0.10	0.13	0.10	0.14	0.10	0.12
Lead	0.0075	0.00050	0.00068	0.00050	0.00061	0.00050	0.0012	0.00050	ND
Lithium	NA	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Molybdenum	NA	0.0050	0.035	0.0050	0.046	0.0050	0.035	0.0050	0.024
Selenium	0.05	0.0025	0.0043	0.0025	0.0063	0.0025	0.0068	0.0025	0.0028
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Radium 226 + 228 comb	40 pCi/L	0.476	ND	0.482	ND	0.58	0.923	0.334	ND

Notes: State Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.

All samples were unfiltered.
All values are in mg/L (ppm) unless otherwise noted.
DL - Detection Limit
NA - Not Applicable
ND - Not Detected
NS - No Standard
^ - Denotes instrument related QC exceeds the control limits
H - Sample was prepped or analyzed beyond the specified hold time.

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL 2010-2017

Sample: MW-01	Date	10/25/2010		3/24/2011		6/13/2011		9/13/2011		12/6/2011		3/14/2012		6/18/2012		9/28/2012		12/19/2012		3/7/2013		6/7/2013		7/25/2013		11/4/2013		3/10/2014		5/16/2014		8/21/2014		11/6/2014		2/17/2015		4/21/2015		8/12/2015		11/2/2015		3/1/2016		5/4/2016		8/23/2016		12/5/2016		2/21/2017		5/15/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	0.0052	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	0.0056	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.054	0.0010	0.040	0.0010	0.17	0.0010	0.077	0.0010	0.057	0.0010	0.078	0.0010	0.070	0.0010	0.070	0.0010	0.091	0.0010	0.098	0.0010	0.036	0.0010	0.055	0.0010	0.046	0.0010	0.031	0.0010	0.036	0.0010	0.019	0.0010	0.21	0.0010	0.050	0.0010	0.056	0.0010	0.034	0.0010	0.073	0.0010	0.12	0.0010	0.11	0.0010	0.12	0.0010	0.15	0.0010	0.14	0.0010	0.11
Barium	2.0	0.0025	0.023	0.0025	0.022	0.0025	0.020	0.0025	0.038	0.0025	0.051	0.0025	0.034	0.0025	0.028	0.0025	0.013	0.0025	0.013	0.0025	0.033	0.0025	0.052	0.0025	0.040	0.0025	0.065	0.0025	0.031	0.0025	0.025	0.0025	0.032	0.0025	0.0094	0.0025	0.018	0.0025	0.020	0.0025	0.019	0.0025	0.020	0.0025	0.029	0.0025	0.016	0.0025	0.015	0.0025	0.014	0.0025	0.015	0.0025	0.016
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	0.050	2.6	0.050	2.0	0.50	2.6	0.050	2.5	0.050	2.8	0.50	2.5	0.50	2.0	0.25	1.9	0.050	1.9	0.50	2.2	0.50	2.2	0.50	2.3	0.25	3.1	0.25	1.9	0.050	2.0	0.25	2.0	0.50	2.2	0.25	1.7	0.050	1.5	0.25	1.2	0.50	1.7	0.50	1.9	0.25	2.1	0.50	2.1	0.050	1.9	0.25	2.1	0.25	2.3
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND ^	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	2.0	39	2.0	48	2.0	52	2.0	41	2.0	32	2.0	47	2.0	46	2.0	47	2.0	48	2.0	45	2.0	34	2.0	42	2.0	28	2.0	33	2.0	31	10	79	2.0	70	2.0	54	2.0	52	2.0	64	2.0	69	2.0	62	2.0	59	2.0	62	2.0	65	2.0	61	2.0	58
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0022	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0024	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND ^	0.0020	ND	0.0020	ND ^	0.0020	ND	0.0020	ND
Cyanide	0.2	0.010	ND	0.010	ND	0.010	0.020	0.010	0.013	0.010	ND	0.010	ND	0.010	0.012	0.010	0.019	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	0.013	0.010	0.029	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	0.013	0.010	0.010	0.010	0.012	0.010	0.029	0.010	0.030	0.010	0.015	0.010	0.014	0.010	0.018
Fluoride	4.0	0.10	0.45	0.10	0.59	0.10	0.71	0.10	0.33	0.10	0.46	0.10	0.46	0.10	0.39	0.10	0.34	0.10	0.41 ^	0.10	0.50	0.10	0.41	0.10	0.45	0.10	0.28	0.10	0.27	0.10	0.46	0.10	0.76	0.10	0.56	0.10	0.21	0.10	0.18	0.10	0.42	0.10	0.43	0.10	0.29	0.10	0.29	0.10	0.26	0.10	0.34	0.10	0.30	0.10	0.29
Iron	5.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND ^	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND^	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	ND	0.0025	0.0027	0.0025	0.0086	0.0025	0.020	0.0025	0.011	0.0025	0.0052 ^	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0047	0.0025	0.011	0.0025	0.011	0.0025	0.021	0.0025	0.0073	0.0025	ND	0.0025	0.026	0.0025	0.0054	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	0.10	ND	0.10	0.52	0.10	0.30	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	1.0	0.10	0.10	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.24	0.10	ND	0.10	ND	0.10	ND	0.10	0.17	0.10	ND	0.10	0.12	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	ND	0.10	ND	0.10	0.52	0.10	0.32	0.10	ND	0.10	ND	0.10	ND ^	0.10	ND	0.10	ND	0.10	1.1	0.10	0.10	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.41	0.10	0.26	0.10	ND	0.10	ND	0.10	0.17	0.10	ND ^	0.10	0.12	0.10	ND	0.10	ND	0.10	0.19
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.021	0.020	0.10	0.020	0.023	0.020	ND	0.020	0.055	0.020	ND	0.020	0.058	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.024	0.020	0.078	0.020	0.17	0.040	0.23	0.020	0.10	0.020	0.036	0.020	ND	0.020	0.026	0.020	ND	0.020	0.056	0.020	0.038	0.020	0.078
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.004	ND	0.004	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	NR	NR	NR	NR
Selenium	0.05	0.0025	0.031	0.0025	0.030	0.0025	0.016	0.0025	0.039	0.0025	0.032	0.0025	0.037	0.0025	0.013	0.0025	0.0093	0.0025	ND	0.0025	0.056	0.0025	0.043	0.0025	0.031	0.0025	0.013	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.035	0.0025	0.0095	0.0025	0.0081	0.0025	0.017	0.0025	0.0099	0.0025	0.0090	0.0025	0.013	0.0025	0.014	0.0025	0.0073	0.0025	0.0025	0.0025	0.0055
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND^	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	50	350	50	230	50	260	50	280	100	330	100	390	50	300	50	240	50	200	50	250	100	260	100	300	50	260	50	130	50	170	50	130	50	270	50	200	50	250	50	260	50	320	50	260	50	210	50	230	50	200	50	260	50	330
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	460	10	470	10	460	10	570	10	750	10	630	10	630	10	450	10	460	10	510	10	660	10	580	10	580	10	290	10	300	10	460	10	450	10	560	10	500	10	600	10	560	10	570	10	460	10	550	10	570	10	550	10	600
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0050	0.026	0.0050	0.018	0.0050	0.056	0.0050	0.042	0.0050	0.0067	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.49	0.0050	0.12	0.0050	0.091	0.0050	0.092	0.0050	0.10	0.0050	0.071	0.0050	0.071	0.0050	0.095	0.0050	0.091	0.0050	0.077	0.0050	0.088
Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	NR	NR	NR	NR
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.001	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	NR	NR	NR	NR
pH	6.5 - 9.0	NA	10.41	NA	9.92	NA	9.97	NA	8.78	NA	8.62	NA	9.54	NA	9.75	NA	10.78	NA	10.47	NA	9.85	NA	8.37	NA	8.81	NA	8.42	NA	8.99	NA	8.88	NA	7.92	NA	10.54	NA	12.01	NA	11.69	NA	11.83	NA	10.93	NA	11.13	NA	11.09	NA	10.49	NA	10.46	NA	11.30	NA	10.69
Temperature	NA	NA	17.38	NA	14.81	NA	15.98	NA	15.82	NA	14.18	NA	15.88	NA	18.27	NA	15.45	NA	14.17	NA	12.8	NA	12.94	NA	14.93	NA	13.41	NA	13.79	NA	9.41	NA	16.04	NA	11.91	NA	7.73	NA	8.44	NA	17.78	NA	17.17	NA	8.43	NA	11.96	NA	19.68	NA	10.73	NA	14.8	NA	15.1
Conductivity	NA	NA	0.698	NA	0.74	NA	0.74	NA	0.67	NA	0.79	NA	0.77	NA	0.72	NA	0.58	NA	0.53	NA	0.6	NA	0.655	NA	0.65	NA	0.51	NA	0.41	NA	0.36	NA	0.638	NA	0.616	NA	0.63	NA	0.617	NA	0.918	NA	1.054	NA	0.58	NA	0.67	NA	0.88	NA	0.71	NA	0.81	NA	0.71
Dissolved Oxygen	NA	NA	NM	NA	0.33	NA	0.24	NA	0.1	NA	0.3	NA	0.16	NA	0.41	NA	0.06	NA	0.45	NA	0.36	NA	0.39	NA	0.28	NA	0.55	NA	1.21	NA	1.46	NA	0.43	NA	1.75	NA	1.06	NA	3.31	NA	2.04	NA	0.45	NA	1.05	NA	0.67	NA	1.53	NA	1.27	NA	1.98	NA	2.73
ORP	NA	NA	NM	NA	-52.8	NA	-126.2	NA	-313	NA	-274	NA	-173	NA	-198	NA	-179	NA	-205	NA	-98.2	NA	-109.4	NA	-133.6	NA	-213.3	NA	-98.4	NA	42.7	NA	22.7	NA	-37.2	NA	-74.9	NA	-73.2	NA	-44.5	NA	88.7	NA	-177.8	NA	-202.1	NA	-218.6	NA	-150.4	NA	65.2	NA	-22.1

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.
All samples through 2016 are filtered.
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits

Temperature	°C	degrees Celcius
Conductivity	mv/cm²	millisiemens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL 2010-2017

Sample: MW-02	Date	10/25/2010		3/24/2011		6/13/2011		9/13/2011		12/6/2011		3/14/2012		6/18/2012		9/28/2012		12/19/2012		3/7/2013		6/7/2013		7/25/2013		11/4/2013		3/10/2014		5/15/2014		8/21/2014		11/6/2014		2/17/2015		4/21/2015		8/12/2015		11/2/2015		3/1/2016		5/4/2016		8/23/2016		12/5/2016		2/21/2017		5/15/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	0.015	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.025	0.0010	0.016	0.0010	0.012	0.0010	0.0087	0.0010	0.0094	0.0010	0.0094	0.0010	0.011	0.0010	0.011	0.0010	0.0089	0.0010	0.012	0.0010	0.0090	0.0010	0.0087	0.0010	0.0091	0.0010	0.0085	0.0010	0.0062	0.0010	0.0081	0.0010	0.0095	0.0010	0.0089	0.0010	0.0089	0.0010	0.042	0.0010	0.015	0.0010	0.010	0.0010	0.0071	0.0010	0.0088	0.0010	0.015	0.0010	0.026	0.0010	0.016
Barium	2.0	0.0025	0.0091	0.0025	0.014	0.0025	0.024	0.0025	0.020	0.0025	0.023	0.0025	0.017	0.0025	0.016	0.0025	0.019	0.0025	0.016	0.0025	0.020	0.0025	0.021	0.0025	0.026	0.0025	0.028	0.0025	0.046	0.0025	0.086	0.0025	0.029	0.0025	0.029	0.0025	0.024	0.0025	0.027	0.0025	0.012	0.0025	0.013	0.0025	0.020	0.0025	0.019	0.0025	0.016	0.0025	0.014	0.0025	0.020	0.0025	0.027
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	0.050	2.2	0.050	2.2	0.50	2.0	0.050	1.7	0.050	1.9	0.50	2.0	0.50	2.6	0.25	2.1	0.050	1.9	0.50	2.2	0.50	1.9	0.50	2.1	0.25	2.2	0.25	2.8	0.25	2.6	0.25	3.0	0.50	3.0	0.25	3.2	0.25	2.9	0.25	2.5	0.50	2.5	0.50	3.6	0.25	3.3	0.50	3.0	0.25	3.0	0.50	2.9	0.50	3.4
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND ^	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	2.0	42	2.0	45	2.0	46	2.0	45	2.0	50	2.0	53	2.0	48	2.0	55	2.0	54	2.0	50	2.0	52	2.0	47	2.0	55	2.0	51	2.0	57	2.0	47	2.0	48	2.0	29	2.0	45	2.0	43	2.0	49	2.0	46	2.0	51	2.0	57	2.0	51	2.0	50
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND ^	0.0020	ND	0.0020	ND
Cyanide	0.2	0.010	ND	0.010	ND	0.010	0.014	0.010	0.019	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	0.025	0.010	ND	0.010	0.011	0.010	0.020	0.010	0.017	0.010	0.023	0.010	0.017	0.010	0.019	0.010	ND
Fluoride	4.0	0.10	0.35	0.10	0.53	0.10	0.80	0.10	0.56	0.10	0.67	0.10	0.88	0.10	1.1	0.10	1.1	0.10	1.3 ^	0.10	1.2	0.10	1.3	0.10	0.93	0.10	0.60	0.10	0.60	0.10	0.70	0.10	0.76	0.10	0.61	0.10	0.99	0.10	1.1	0.10	1.1	0.10	0.79	0.10	1.3	0.10	1.6	0.10	1.3	0.10	0.98 F1	0.10	0.78	0.10	0.38
Iron	5.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND ^	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.16	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND^	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.0034	0.0025	0.018	0.0025	0.032	0.0025	0.038	0.0025	0.035	0.0025	0.028 ^	0.0025	0.031	0.0025	0.025	0.0025	0.023	0.0025	0.039	0.0025	0.051	0.0025	0.069	0.0025	0.034	0.0025	0.085	0.0025	0.16	0.0025	0.050	0.0025	0.041	0.0025	0.043	0.0025	0.068	0.0025	0.028	0.0025	0.035	0.0025	0.038	0.0025	0.040	0.0025	0.021	0.0025	0.023	0.0025	0.017	0.0025	0.019
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0025	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0030	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	0.10	0.23	0.10	0.12	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.67
Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	ND	0.10	0.23	0.10	0.12	0.10	ND	0.10	ND	0.10	ND	0.10	ND ^	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND ^	0.10	ND	0.10	0.73
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.057
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.004	ND	0.004	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	NR	NR	NR	NR
Selenium	0.05	0.0025	0.026	0.0025	0.0085	0.0025	0.028	0.0025	0.022	0.0025	0.0086	0.0025	0.0046	0.0025	ND	0.0025	0.0027	0.0025	ND	0.0025	0.0084	0.0025	ND	0.0025	0.015	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0060	0.0025	0.0045	0.0025	ND	0.0025	ND	0.0025	0.0085	0.0025	0.0044	0.0025	ND	0.0025	ND	0.0025	0.0033	0.0025	ND	0.0025	0.022
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND^	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	50	230	50	160	50	150	50	200	50	180	50	200	50	210	50	270	50	210	50	230	50	220	50	260	100	290	50	370	100	280	50	210	50	350	50	150	50	190	50	230	50	230	50	220	50	160	50	220	50	160	50	210	50	350
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	410	10	400	10	410	10	460	10	490	10	400	10	520	10	540	10	500	10	520	10	550	10	530	10	770	10	670	10	710	10	550	10	510	10	440	10	430	10	490	10	380	10	500	10	430	10	490	10	470	10	380	10	630
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0096	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0066	0.0050	0.0091
Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0005	ND	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00061	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	NR	NR	NR	NR
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.00077	0.0025	0.00077	0.0025	ND	0.0025	0.0006	0.0025	0.00251	0.0025	ND	0.0025	0.0019	0.0025	ND	0.0025	ND	NR	NR	NR	NR
pH	6.5 - 9.0	NA	9.98	NA	9.31	NA	8.65	NA	7.82	NA	7.77	NA	7.82	NA	7.90	NA	8.24	NA	7.94	NA	8.95	NA	7.63	NA	7.61	NA	7.97	NA	8.38	NA	7.65	NA	8.13	NA	8.61	NA	8.79	NA	7.95	NA	10.13	NA	8.27	NA	8.57	NA	8.19	NA	7.52	NA	8.62	NA	8.75	NA	8.33
Temperature	NA	NA	15.3	NA	13.42	NA	14.58	NA	14.46	NA	13.5	NA	14.79	NA	16.22	NA	14.24	NA	13.01	NA	12.2	NA	12.99	NA	14.79	NA	13.16	NA	12.72	NA	11.00	NA	15.15	NA	11.87	NA	8.01	NA	9.19	NA	18.47	NA	16.44	NA	6.48	NA	11.43	NA	20.96	NA	8.79	NA	12.8	NA	18.3
Conductivity	NA	NA	0.61	NA	0.62	NA	0.69	NA	0.56	NA	0.55	NA	0.55	NA	0.63	NA	0.66	NA	0.54	NA	0.62	NA	0.550	NA	0.59	NA	0.62	NA	0.72	NA	0.79	NA	0.684	NA	0.647	NA	0.43	NA	0.511	NA	0.638	NA	0.629	NA	0.44	NA	0.53	NA	0.69	NA	0.44	NA	0.50	NA	0.68
Dissolved Oxygen	NA	NA	NM	NA	0.29	NA	0.22	NA	0.14	NA	0.24	NA	0.12	NA	0.17	NA	0.07	NA	0.33	NA	0.18	NA	0.32	NA	0.42	NA	0.60	NA	0.81	NA	0.79	NA	0.32	NA	0.47	NA	0.89	NA	3.09	NA	0.73	NA	0.56	NA	0.95	NA	0.87	NA	2.54	NA	2.20	NA	2.19	NA	5.13
ORP	NA	NA	NM	NA	28.4	NA	93	NA	-206	NA	-119	NA	-76	NA	-87	NA	-116	NA	-43	NA	-66.4	NA	-124.3	NA	-90.4	NA	-129.8	NA	-121.9	NA	-18.2	NA	-58.2	NA	-145.3	NA	-162.8	NA	-128.5	NA	-88.7	NA	52.9	NA	-101.2	NA	-128.2	NA	-119.5	NA	-29.6	NA	67.4	NA	-49.2

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.
All samples through 2016 are filtered.
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits

Temperature	°C	degrees Celcius
Conductivity	ms/cm²	millisiemens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL 2010-2017

Sample: MW-03	Date	10/25/2010		3/24/2011		6/13/2011		9/13/2011		12/6/2011		3/14/2012		6/18/2012		9/28/2012		12/19/2012		3/7/2013		6/7/2013		7/25/2013		11/4/2013		3/10/2014		5/15/2014		8/21/2014		11/6/2014		2/17/2015		4/21/2015		8/12/2015		11/2/2015		3/1/2016		5/4/2016		8/24/2016		12/5/2016		2/21/2017		5/16/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	0.0051	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.0043	0.0010	0.0041	0.0010	0.0049	0.0010	0.0077	0.0010	0.0049	0.0010	0.0071	0.0010	0.0030	0.0010	0.0044	0.0010	0.0031	0.0010	0.0018	0.0010	0.0014	0.0010	0.0025	0.0010	0.0050	0.0010	0.0013	0.0010	0.0020	0.0010	0.0041	0.0010	0.0029	0.0010	0.0031	0.0010	0.0039	0.0010	0.0039	0.0010	0.0090	0.0010	0.0062	0.0010	0.0021	0.0010	0.0081	0.0010	0.0056	0.0010	0.016	0.0010	0.0036
Barium	2.0	0.0025	0.0057	0.0025	0.0086	0.0025	0.018	0.0025	0.0044	0.0025	0.0058	0.0025	0.0049	0.0025	0.0067	0.0025	0.010	0.0025	0.011	0.0025	0.015	0.0025	0.039	0.0025	0.017	0.0025	0.015	0.0025	0.012	0.0025	0.0061	0.0025	0.012	0.0025	0.013	0.0025	0.013	0.0025	0.0082	0.0025	0.012	0.0025	0.011	0.0025	0.016	0.0025	0.0097	0.0025	0.0055	0.0025	0.014	0.0025	0.0064	0.0025	0.028
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	0.050	1.7	0.050	2.2	0.50	2.3	0.050	1.6	0.050	1.6	0.50	1.5	0.25	1.3	0.25	1.4	0.050	1.9	0.50	2.0	0.50	2.5	0.50	1.8	0.25	1.9	0.25	1.1	0.050	1.2	0.25	2.3	0.50	2.3	0.25	1.6	0.050	1.2	0.25	1.6	0.50	2.0	0.50	2.7	0.25	2.4	0.50	1.8	0.25	2.7	0.25	2.1	0.25	3.5
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND ^	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	2.0	53	2.0	49	2.0	53	2.0	49	2.0	51	2.0	52	2.0	41	2.0	47	2.0	49	2.0	45	2.0	39	2.0	43	2.0	25	2.0	37	2.0	37	2.0	89	2.0	64	2.0	72	2.0	64	2.0	72	10	88	2.0	73	2.0	71	2.0	67	2.0	68	2.0	67	2.0	60
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	0.030	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	0.014	0.010	ND	0.010	ND	0.010	0.034	0.010	0.015	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.27	0.10	0.47	0.10	0.39	0.10	0.24	0.10	0.67	0.10	0.64	0.10	0.76	0.10	0.96	0.10	1.1 ^	0.10	0.99	0.10	0.48	0.10	0.83	0.10	0.63	0.10	0.74	0.10	0.57	0.10	0.55	0.10	0.65	0.10	0.67	0.10	0.60	0.10	0.50	0.10	0.49	0.10	0.36	0.10	0.59	0.10	0.22	0.10	0.38	0.10	0.36	0.10	0.27
Iron	5.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND ^	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND^	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0015	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	ND	0.0025	0.0059	0.0025	0.0044	0.0025	ND	0.0025	0.0054	0.0025	0.0036 ^	0.0025	0.0070	0.0025	0.0034	0.0025	0.0034	0.0025	0.015	0.0025	0.0062	0.0025	0.0031	0.0025	0.0082	0.0025	0.0069	0.0025	0.0028	0.0025	0.0083	0.0025	0.0035	0.0025	0.0032	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.015	0.0025	0.0070	0.0025	ND	0.0025	0.011	0.0025	0.0025	0.0025	0.010
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	0.10	0.29	0.10	ND	0.10	ND	0.10	ND	0.10	0.17	0.10	0.42	0.10	ND	0.10	ND	0.10	13	0.10	ND	0.10	ND	0.10	0.11	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.22	0.10	0.16	0.10	ND	0.10	0.17	0.10	0.10	0.10	0.72
Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	ND	0.10	0.29	0.10	ND	0.10	ND	0.10	ND	0.10	0.17	0.10	0.50	0.10	ND	0.10	ND	0.50	13	0.10	ND	0.10	ND	0.10	0.11	0.10	0.15	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.22	0.10	0.16	0.10	ND	0.10	0.17	0.10	0.10	0.10	0.72
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.076	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.072	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.004	ND	0.004	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	NR	NR	NR	NR
Selenium	0.05	0.0025	0.0094	0.0025	0.016	0.0025	0.030	0.0025	0.012	0.0025	0.011	0.0025	0.0064	0.0025	0.017	0.0025	0.0072	0.0025	ND	0.0025	0.011	0.0025	0.067	0.0025	0.0085	0.0025	0.0045	0.0025	0.0028	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0035	0.0025	0.013	0.0025	0.0039	0.0025	0.0044	0.0025	ND	0.0025	0.0033	0.0025	ND	0.0025	0.0088
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND^	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	20	120	25	130	25	130	25	97	25	110	50	140	50	150	50	260	50	240	50	240	100	290	100	240	50	140	50	170	25	100	50	110	50	240	50	110	50	200	50	200	50	260	50	240	50	160	50	180	50	150	50	170	50	280
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	280	10	350	10	340	10	300	10	380	10	340	10	420	10	480	10	520	10	470	10	860	10	530	10	380	10	340	10	210	10	470	10	400	10	430	10	420	10	480	10	490	10	580	10	470	10	430	10	530	10	440	10	690
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0050	ND	0.0050	ND	0.0050	0.0055	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.016	0.0050	0.014	0.0050	0.013	0.0050	0.018	0.0050	0.028	0.0050	0.013
Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00073	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	NR	NR	NR	NR
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.00056	0.0025	0.00293	0.0025	ND	0.0025	0.0020	0.0025	ND	NR	NR	NR	NR
pH	6.5 - 9.0	NA	9.21	NA	8.58	NA	8.64	NA	9.20	NA	8.61	NA	8.89	NA	7.58	NA	9.14	NA	8.22	NA	8.55	NA	7.13	NA	7.46	NA	7.26	NA	7.38	NA	8.47	NA	7.82	NA	6.95	NA	7.12	NA	6.67	NA	9.22	NA	9.26	NA	7.33	NA	7.25	NA	9.13	NA	7.62	NA	7.56	NA	7.90
Temperature	NA	NA	17.98	NA	14.27	NA	15.5	NA	14.32	NA	13.62	NA	14.89	NA	16.32	NA	13.83	NA	13.02	NA	12.6	NA	12.87	NA	13.95	NA	15.35	NA	11.89	NA	8.47	NA	18.83	NA	13.28	NA	8.19	NA	9.94	NA	16.64	NA	18.38	NA	4.33	NA	11.40	NA	19.01	NA	9.64	NA	11.4	NA	14.5
Conductivity	NA	NA	0.455	NA	0.55	NA	0.59	NA	0.34	NA	0.41	NA	0.44	NA	0.53	NA	0.58	NA	0.55	NA	0.61	NA	0.860	NA	0.580	NA	0.40	NA	0.37	NA	0.27	NA	0.600	NA	0.513	NA	0.46	NA	0.497	NA	0.628	NA	0.803	NA	0.48	NA	0.59	NA	0.57	NA	0.43	NA	0.53	NA	0.78
Dissolved Oxygen	NA	NA	NM	NA	0.53	NA	0.16	NA	0.06	NA	0.17	NA	0.13	NA	0.47	NA	0.07	NA	0.27	NA	0.4	NA	0.59	NA	0.31	NA	0.54	NA	0.78	NA	0.40	NA	1.05	NA	1.43	NA	1.02	NA	3.32	NA	0.93	NA	0.41	NA	1.84	NA	1.06	NA	1.17	NA	1.64	NA	5.46
ORP	NA	NA	NM	NA	87	NA	163.2	NA	-199	NA	-52	NA	-47	NA	78	NA	2	NA	17	NA	40.8	NA	-84.1	NA	0.80	NA	-128.2	NA	-78.5	NA	90.5	NA	4.2	NA	13.2	NA	64.6	NA	43.0	NA	-52.0	NA	-7.0	NA	-7.7	NA	-72.7	NA	-163.3	NA	-7.4	NA	83.5	NA	-30.5

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.
All samples through 2016 are filtered.
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrament related QC exceeds the control limits

Temperature	°C	degrees Celcius
Conductivity	ms/cm²	milisiemens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL 2010-2017

Sample: MW-04	Date	10/25/2010		3/24/2011		6/13/2011		9/13/2011		12/6/2011		3/14/2012		6/18/2012		9/28/2012		12/19/2012		3/7/2013		6/6/2013		7/25/2013		11/4/2013		3/11/2014		5/16/2014		8/21/2014		11/6/2014		2/17/2015		4/21/2015		8/12/2015		11/3/2015		3/1/2016		5/4/2016		8/24/2016		12/5/2016		2/22/2017		5/16/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.0060	0.0010	0.0077	0.0010	0.0059	0.0010	0.0058	0.0010	0.0065	0.0010	0.0068	0.0010	0.0091	0.0010	0.0079	0.0010	0.0080	0.0010	0.0081	0.0010	0.0032	0.0010	0.0044	0.0010	0.0055	0.0010	0.0062	0.0010	0.0061	0.0010	0.0064	0.0010	0.0080	0.0010	0.0080	0.0010	0.0075	0.0010	0.0072	0.0010	0.0069	0.0010	0.0065	0.0010	0.0067	0.0010	0.010	0.0010	0.010	0.0010	0.018	0.0010	0.0058
Barium	2.0	0.0025	0.026	0.0025	0.025	0.0025	0.034	0.0025	0.039	0.0025	0.036	0.0025	0.038	0.0025	0.025	0.0025	0.024	0.0025	0.031	0.0025	0.031	0.0025	0.049	0.0025	0.049	0.0025	0.047	0.0025	0.071	0.0025	0.053	0.0025	0.029	0.0025	0.024	0.0025	0.031	0.0025	0.033	0.0025	0.034	0.0025	0.035	0.0025	0.033	0.0025	0.034	0.0025	0.018	0.0025	0.018	0.0025	0.11	0.0025	0.092	0.0025	0.075
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010 ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	0.050	2.0	0.050	2.1	0.50	2.0	0.050	1.8	0.050	2.1	0.50	2.2	0.50	2.5	0.25	2.2	0.50	2.5	0.50	2.4	0.50	2.3	0.50	2.5	0.25	2.8	0.25	3.0	0.25	2.7	0.25	1.5	0.50	1.6	0.25	2.0	0.25	1.8	0.25	1.6	0.50	1.5	0.50	1.9	0.25	1.6	0.50	1.7	0.25	2.9	0.25	2.4	0.25	2.6
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND ^	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	2.0	39	2.0	47	2.0	45	2.0	59	2.0	60	2.0	71	2.0	53	2.0	55	2.0	55	2.0	50	2.0	51	2.0	42	2.0	46	2.0	41	2.0	34	2.0	33	2.0	36	2.0	53	2.0	70	2.0	65	2.0	63	2.0	51	2.0	49	2.0	58	2.0	56	2.0	41	2.0	34
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.60	0.10	0.84	0.10	0.97	0.10	0.67	0.10	0.82	0.10	0.73	0.10	0.82	0.10	0.85	0.10	0.72 ^	0.10	0.73	0.10	0.67	0.10	0.60	0.10	0.48	0.10	0.28	0.10	0.27	0.10	0.26	0.10	0.23	0.10	0.26	0.10	0.28	0.10	0.41	0.10	0.44	0.10	0.56	0.10	0.59	0.10	0.52	0.10	0.21	0.10	0.14	0.10	0.26
Iron	5.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND ^	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND^	0.10	ND	0.10	ND	0.10	ND	0.10	0.15	0.10	0.56	0.10	0.13
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.058	0.0025	0.035	0.0025	0.028	0.0025	0.36	0.0025	0.025	0.0025	0.038 ^	0.0025	0.041	0.0025	0.028	0.0025	0.031	0.0025	0.034	0.0025	0.016	0.0025	0.024	0.0025	0.036	0.0025	0.074	0.0025	0.052	0.0025	0.046	0.0025	0.035	0.0025	0.058	0.0025	0.056	0.0025	0.060	0.0025	0.061	0.0025	0.053	0.0025	0.021	0.0025	0.033	0.0025	0.14	0.0025	0.14	0.0025	0.032
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	0.10	0.18	0.10	0.14	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.31	0.10	ND	0.10	0.21	0.10	0.12	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.58
Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	ND	0.10	0.18	0.10	0.14	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.31	0.10	ND	0.10	0.21	0.10	0.12	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.58
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.004	ND	0.004	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	NR	NR	NR	NR
Selenium	0.05	0.0025	0.0039	0.0025	ND	0.0025	0.022	0.0025	0.025	0.0025	0.015	0.0025	0.0091	0.0025	ND	0.0025	0.0061	0.0025	ND	0.0025	0.0043	0.0025	0.028	0.0025	0.050	0.0025	0.011	0.0025	0.0034	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0043	0.0025	0.023	0.0025	0.0043	0.0025	0.021
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND^	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	50	250	50	170	50	160	25	160	50	160	50	280	50	250	50	210	50	220	50	230	50	260	100	300	50	270	100	360	50	140	25	130	50	200	50	140	50	130	50	210	50	240	50	180	50	150	20	130	100	340	100	350	100	350
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	430	10	400	10	380	10	470	10	480	10	490	10	540	10	440	10	510	10	460	10	660	10	610	10	630	10	680	10	470	10	370	10	280	10	440	10	400	10	480	10	390	10	450	10	330	10	330	10	990	10	850	10	950
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	NR	NR	NR	NR
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.00083	0.0025	ND	0.0025	0.0015	0.0025	ND	0.0025	ND	NR	NR	NR	NR
pH	6.5 - 9.0	NA	7.80	NA	8.54	NA	7.69	NA	7.42	NA	7.35	NA	7.25	NA	7.51	NA	8.63	NA	8.41	NA	8.93	NA	7.25	NA	7.18	NA	7.35	NA	7.99	NA	7.76	NA	7.74	NA	7.53	NA	7.99	NA	7.18	NA	8.38	NA	6.68	NA	7.17	NA	6.92	NA	7.01	NA	7.40	NA	7.44	NA	7.94
Temperature	NA	NA	16.00	NA	13.14	NA	14.07	NA	13.38	NA	12.35	NA	13.78	NA	15.78	NA	13.28	NA	13.11	NA	11.9	NA	12.91	NA	14.1	NA	13.17	NA	10.93	NA	10.27	NA	16.85	NA	10.41	NA	4.49	NA	11.22	NA	19.57	NA	14.98	NA	5.27	NA	9.49	NA	17.84	NA	9.93	NA	11.9	NA	13.4
Conductivity	NA	NA	0.637	NA	0.62	NA	0.6	NA	0.56	NA	0.52	NA	0.58	NA	0.61	NA	0.53	NA	0.57	NA	0.56	NA	0.666	NA	0.70	NA	0.59	NA	0.65	NA	0.59	NA	0.43	NA	0.374	NA	0.39	NA	0.457	NA	0.676	NA	0.68	NA	0.40	NA	0.48	NA	0.49	NA	0.89	NA	0.92	NA	0.89
Dissolved Oxygen	NA	NA	NM	NA	0.3	NA	0.31	NA	0.23	NA	0.45	NA	0.33	NA	0.25	NA	0.49	NA	0.07	NA	0.14	NA	0.37	NA	0.35	NA	0.37	NA	1.28	NA	0.52	NA	0.43	NA	4.55	NA	1.02	NA	3.77	NA	0.66	NA	1.40	NA	0.99	NA	1.62	NA	2.78	NA	2.34	NA	2.82	NA	3.89
ORP	NA	NA	NM	NA	-10.6	NA	115.3	NA	-85	NA	38	NA	43	NA	17	NA	-123	NA	-151	NA	-54.3	NA	-55.9	NA	13.7	NA	-166.2	NA	-99.2	NA	13.8	NA	-48.2	NA	-56.8	NA	-74.7	NA	-73.4	NA	-62.6	NA	33.4	NA	-52.8	NA	-103.0	NA	-113.3	NA	4.6	NA	99.9	NA	-15.8

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.
All samples through 2016 are filtered.
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrament related QC exceeds the control limits

Temperature	°C	degrees Celcius
Conductivity	ms/cm²	millisiemens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL 2010-2017

Sample: MW-05	Date	10/25/2010		3/24/2011		6/13/2011		9/13/2011		12/6/2011		3/14/2012		6/18/2012		9/28/2012		12/19/2012		3/7/2013		6/6/2013		7/25/2013		11/5/2013		3/11/2014		5/16/2014		8/21/2014		11/5/2014		2/17/2015		4/20/2015		8/13/2015		11/3/2015		3/2/2016		5/2/2016		8/24/2016		12/7/2016		2/22/2017		5/15/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.0076	0.0010	0.0082	0.0010	0.0013	0.0010	ND	0.0010	0.010	0.0010	0.010	0.0010	0.0098	0.0010	0.012	0.0010	0.011	0.0010	0.012	0.0010	ND	0.0030	ND	0.0010	0.0013	0.0010	0.0086	0.0010	0.0097	0.0010	0.0090	0.0010	0.0019	0.0010	0.0097	0.0010	0.010	0.0010	0.017 ^	0.0010	ND	0.0010	ND	0.0010	0.0023	0.0010	ND ^	0.0010	0.0075	0.0010	0.013	0.0010	0.040	0.0010	0.0053
Barium	2.0	0.0025	0.060	0.0025	0.066	0.0025	0.057	0.0025	0.041	0.0025	0.073	0.0025	0.063	0.0025	0.051	0.0025	0.067	0.0025	0.070	0.0025	0.060	0.0025	0.045	0.0025	0.037	0.0025	0.054	0.0025	0.051	0.0025	0.036	0.0025	0.046	0.0025	0.051	0.0025	0.046	0.0025	0.046	0.0025	0.068	0.0025	0.041	0.0025	0.039	0.0025	0.036	0.0025	0.036	0.0025	0.074	0.0025	0.071	0.0025	0.061	0.0025	0.036
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	5.0	28	5.0	33	2.5	12	5.0	30	1.0	37	5.0	44	5.0	47	5.0	41	5.0	27	5.0	33	5.0	12	5.0	29	1.0	32	2.5	31	5.0	36	5.0	35	5.0	36	5.0	32	2.5	24	2.5	11	5.0	12	5.0	14	5.0	23	2.5	43	5.0	49	5.0	42	0.50	7.7
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND ^	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	10	100	10	120	50	540	50	220	10	110	2.0	50	2.0	50	10	170	10	220	2.0	68	50	600	10	210	2.0	49	2.0	45	2.0	47	2.0	47	2.0	42	2.0	41	10	270	50	720	10	370	10	300	10	140	10	150	2.0	68	10	82	2.0	73
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0021	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.29	0.10	0.34	0.10	0.24	0.10	0.18	0.10	0.29	0.10	0.29	0.10	0.31	0.10	0.32	0.10	0.36 ^	0.10	0.36	0.10	0.21	0.10	0.32	0.10	0.32	0.10	0.29	0.10	0.31	0.10	0.31	0.10	0.29	0.10	0.26	0.10	0.23	0.10	0.19	0.10	0.20	0.10	0.19	0.10	0.22	0.10	0.28	0.10	0.29	0.10	0.21	0.10	0.15
Iron	5.0	0.10	3.5	0.10	2.8	0.10	0.95	0.10	0.42	0.10	5.6	0.10	6.6	0.10	5.9	0.10	5.1 ^	0.10	3.9	0.10	4.0	0.10	0.41	0.10	1.1	0.10	4.6	0.10	5.5	0.10	5.5	0.10	4.0	0.10	8.6	0.10	7.2	0.10	6.9	0.10	0.28	0.10	0.58	0.10	2.3	0.10	1.8	0.10	13	0.10	8.9	0.10	15	0.10	1.9
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.71	0.0025	0.60	0.0025	0.28	0.0025	0.030	0.0025	0.99	0.0025	0.76 ^	0.0025	0.75	0.0025	0.57	0.0025	0.48	0.0025	0.51	0.0025	0.17	0.0025	0.44	0.0025	0.54	0.0025	0.62	0.0025	0.49	0.0025	0.65	0.0025	0.62	0.0025	0.46	0.0025	0.63	0.0025	0.18	0.0025	0.20	0.0025	0.17	0.0025	0.32	0.0025	0.65	0.0025	0.53	0.0025	0.54	0.0025	0.12
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	0.0026	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0026	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0020	0.0020	ND	0.0020	ND	0.0020	0.0037	0.0020	0.0026	0.0020	ND	0.0020	0.0046	0.0020	0.0045	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0038
Nitrogen/Nitrate	10.0	0.10	ND	0.10	0.27	0.10	0.20	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.45	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	0.27	0.10	0.20	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND ^	0.10	ND	0.10	ND	0.10	0.45	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.033	0.020	ND	0.020	ND	0.020	0.047	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.004	ND	0.004	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	NR	NR	NR	NR
Selenium	0.05	0.0025	0.0028	0.0025	ND	0.0025	0.0094	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0037	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0030 ^	0.0025	0.024	0.0025	0.014	0.0025	0.0054	0.0050	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0041
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND^	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	200	920	250	780	250	1100	250	810	250	1100	250	980	250	800	250	710	250	550	250	650	250	1200	250	890	250	870	250	640	100	630	130	640	200	840	250	660	250	700	250	1200	200	910	500	1200	250	1000	250	1100	250	610	250	700	500	1100
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	1500	10	1800	10	2300	10	2300	10	2300	10	2000	10	2000	10	1900	10	1800	10	1600	17	3500	10	2000	10	1600	10	1400	10	1500	10	1600	10	1500	10	1700	13	2200	17	3500	13	2700	10	2800	10	2400	10	2200	10	2000	10	1700	10	2600
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00079	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	NR	NR	NR	NR
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.00259	0.0025	ND	0.0025	0.00054	0.0025	ND	0.0025	ND	NR	NR	NR	NR
pH	6.5 - 9.0	NA	7.21	NA	7.56	NA	6.72	NA	6.87	NA	7.15	NA	7.45	NA	6.97	NA	7.32	NA	7.36	NA	7.33	NA	6.61	NA	6.74	NA	7.20	NA	7.64	NA	7.07	NA	7.06	NA	7.30	NA	7.46	NA	6.73	NA	7.03	NA	6.18	NA	6.71	NA	6.73	NA	6.80	NA	6.82	NA	7.46	NA	7.78
Temperature	NA	NA	15.23	NA	12.13	NA	13.41	NA	13.37	NA	11.63	NA	14.23	NA	15.74	NA	13.17	NA	12.46	NA	12.5	NA	13.12	NA	15.7	NA	13.34	NA	10.19	NA	10.13	NA	19.08	NA	11.27	NA	7.51	NA	10.27	NA	19.55	NA	14.09	NA	7.82	NA	13.27	NA	20.78	NA	7.90	NA	14.8	NA	13.9
Conductivity	NA	NA	1.801	NA	2.16	NA	4.34	NA	2.26	NA	1.87	NA	0.52	NA	1.68	NA	1.76	NA	1.74	NA	1.48	NA	3.118	NA	2.18	NA	1.24	NA	0.86	NA	1.33	NA	1.509	NA	1.316	NA	1.28	NA	2.095	NA	3.582	NA	3.073	NA	2.52	NA	2.38	NA	2.17	NA	1.41	NA	1.63	NA	2.20
Dissolved Oxygen	NA	NA	NM	NA	0.45	NA	0.49	NA	0.04	NA	0.16	NA	0.12	NA	0.13	NA	0.1	NA	0.22	NA	0.63	NA	0.50	NA	0.47	NA	1.45	NA	0.59	NA	4.09	NA	1.61	NA	1.97	NA	2.75	NA	1.11	NA	1.42	NA	2.24	NA	1.66	NA	2.05	NA	1.15	NA	1.46	NA	5.90
ORP	NA	NA	NM	NA	-72.1	NA	81.8	NA	-40	NA	-84	NA	-39	NA	-76	NA	-108	NA	-101	NA	-129.7	NA	18.4	NA	22.3	NA	-107.0	NA	-94.3	NA	-28.2	NA	-80	NA	-53	NA	-100.6	NA	-58.6	NA	-34.2	NA	46.2	NA	12.1	NA	-20.6	NA	-72.7	NA	-59.3	NA	-29.1	NA	-20.7

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.
All samples through 2016 are filtered.
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits

Temperature	°C	degrees Celcius
Conductivity	ms/cm	milisiemens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL 2010-2017

Sample: MW-06	Date	10/25/2010		3/24/2011		6/13/2011		9/13/2011		12/6/2011		3/14/2012		6/18/2012		9/28/2012		12/19/2012		3/7/2013		6/6/2013		7/25/2013		11/5/2013		3/10/2014		5/15/2014		8/21/2014		11/5/2014		2/18/2015		4/20/2015		8/12/2015		11/3/2015		2/29/2016		5/3/2016		8/25/2016		12/6/2016		2/22/2017		5/15/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0010	0.0029	0.0010	0.0019	0.0010	0.0065	0.0010	0.0096	0.0010	0.0034	0.0010	0.0017	0.0010	0.0043	0.0010	0.0083	0.0010	0.0045	0.0010	0.0030	0.0010	0.0027	0.0010	0.0037	0.0010	0.0039	0.0010	0.0016	0.0020	0.0023	0.0010	0.0022	0.0010	0.0012	0.0010	0.0087	0.0010	0.0055
Barium	2.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0025	0.11	0.0025	0.088	0.0025	0.077	0.0025	0.092	0.0025	0.13	0.0025	0.012	0.0025	0.061	0.0025	0.089	0.0025	0.10	0.0025	0.063	0.0025	0.066	0.0025	0.084	0.0025	0.096	0.0025	0.093	0.0025	0.074	0.0025	0.11	0.0025	0.089	0.0025	0.073	0.0025	0.086
Beryllium	0.004	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.25	1.1	0.50	2.8	0.50	6.7	2.5	4.3	0.25	2.4	0.25	2.0	0.25	2.2	0.25	2.9	0.50	3.7	0.50	3.5	0.050	1.4	0.25	2.0	0.50	1.9	0.50	2.8	5.0	10	0.50	1.6	0.50	5.8	1.0	8.9	0.25	1.8
Cadmium	0.005	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	10	110	2.0	61	2.0	48	2.0	69	10	85	2.0	8.0	10	84	10	98	10	97	10	81	10	100	10	110	10	120	10	100	10	77	10	140	10	100	2.0	44	10	100
Chromium	0.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0010	ND	0.0010	ND	0.0010	0.0015	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0025	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0023	0.0020	ND ^	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.10	0.43 ^	0.10	0.27	0.10	0.30	0.10	0.34	0.10	0.30	0.10	0.17	0.10	0.22	0.10	0.35	0.10	0.29	0.10	0.23	0.10	0.32	0.10	0.36	0.10	0.36	0.10	0.34	0.10	0.33	0.10	0.35	0.10	0.29	0.10	0.21	0.10	0.34
Iron	5.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.10	2.6	0.10	2.0	0.10	6.2	0.10	16	0.10	4.1	0.10	0.19	0.10	3.0	0.10	9.2	0.10	6.7	0.10	7.6	0.10	0.62	0.10	4.2	0.10	5.2	0.10	5.9	0.10	5.8	0.10	5.2	0.10	4.8	0.10	12	0.10	7.7
Lead	0.0075	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0025	0.21	0.0025	0.36	0.0025	0.75	0.0025	0.72	0.0025	0.44	0.0025	0.0073	0.0025	0.17	0.0025	0.38	0.0025	0.44	0.0025	0.38	0.0025	0.19	0.0025	0.24	0.0025	0.26	0.0025	0.26	0.0025	0.26	0.0025	0.28	0.0025	0.39	0.0025	0.47	0.0025	0.20
Mercury	0.002	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0020	ND	0.0020	ND	0.0020	0.0039	0.0020	0.0029	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.10	ND	0.10	ND	0.10	1.1	0.10	ND	0.10	ND	0.10	0.54	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.10	ND	0.10	ND	0.10	1.1	0.10	ND	0.10	ND	0.10	0.54	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND ^	0.10	ND	0.10	ND
Nitrogen/Nitrite	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.004	ND	0.004	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	NR	NR	NR	NR
Selenium	0.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.014	0.0025	ND	0.0025	0.0033	0.0025	0.0034	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0050	ND	0.0025	ND	0.0025	0.0037	0.0025	ND	0.0025	ND	0.0025	ND
Silver	0.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND^	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	50	160	100	380	100	390	100	360	100	350	25	93	50	170	50	120	50	240	50	190	50	160	50	170	50	180	50	250	50	300	50	180	100	250	100	290	50	130
Thallium	0.002	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	10	940	10	1100	10	1100	10	1100	10	1200	10	190	10	870	10	950	10	890	10	900	10	850	10	1100	10	870	10	960	10	1000	10	1000	10	1100	10	930	10	730
Vanadium	0.049	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0050	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0077	0.0050	0.0054
Zinc	5.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00068	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	NR	NR	NR	NR
BETX	11.705	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.00078	0.0025	ND	0.0025	ND	0.0025	0.00398	0.0025	ND	0.0025	0.00071	0.0025	ND	0.0025	ND	NR	NR	NR	NR
pH	6.5 - 9.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	7.52	NA	7.42	NA	6.83	NA	6.88	NA	7.24	NA	7.94	NA	7.18	NA	7.11	NA	7.33	NA	7.45	NA	6.76	NA	7.69	NA	6.81	NA	7.24	NA	7.22	NA	6.90	NA	6.79	NA	7.35	NA	8.26
Temperature	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	11.32	NA	7.1	NA	9.68	NA	12.92	NA	13.14	NA	5.14	NA	8.91	NA	17.83	NA	12.69	NA	4.41	NA	7.68	NA	19.07	NA	13.96	NA	8.01	NA	12.41	NA	18.68	NA	8.54	NA	11.4	NA	15.2
Conductivity	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	1.05	NA	1.01	NA	0.911	NA	1.18	NA	1.10	NA	0.21	NA	0.9	NA	1.179	NA	1.092	NA	0.85	NA	0.905	NA	1.246	NA	1.294	NA	0.96	NA	1.13	NA	1.34	NA	1.03	NA	1.00	NA	0.87
Dissolved Oxygen	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	0.07	NA	0.33	NA	0.4	NA	0.28	NA	0.22	NA	7.07	NA	0.51	NA	0.97	NA	1.37	NA	3.00	NA	4.67	NA	2.11	NA	0.96	NA	1.44	NA	2.12	NA	2.00	NA	1.45	NA	1.66	NA	8.11
ORP	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	-128	NA	-99.4	NA	-72.7	NA	-109.7	NA	-126.3	NA	-9.90	NA	-36.7	NA	-116.9	NA	-94.1	NA	-104.5	NA	-45.6	NA	-130.8	NA	-55.1	NA	-90.1	NA	-107.3	NA	-86.0	NA	-82.7	NA	7.9	NA	-116.2

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.
All samples through 2016 are filtered.
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits

Temperature	°C	degrees Celcius
Conductivity	ms/cm²	millisiemens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL 2010-2017

Sample: MW-07	Date	10/25/2010		3/24/2011		6/13/2011		9/13/2011		12/6/2011		3/14/2012		6/18/2012		9/28/2012		12/19/2012		3/7/2013		6/6/2013		7/25/2013		11/4/2013		3/10/2014		5/15/2014		8/21/2014		11/5/2014		2/17/2015		4/20/2015		8/12/2015		11/3/2015		2/29/2016		5/2/2016		8/24/2016		12/7/2016		2/22/2017		5/16/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0010	0.0099	0.0010	0.012	0.0010	0.010	0.0010	0.011	0.0010	0.012	0.0010	0.0096	0.0010	0.0098	0.0010	0.011	0.0010	0.0095	0.0010	0.011	0.0010	0.014	0.0010	0.010	0.0010	0.011	0.0010	0.0079	0.0020	0.0078	0.0010	0.0074	0.0010	0.0088	0.0010	0.010	0.0010	0.0095
Barium	2.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0025	0.080	0.0025	0.082	0.0025	0.082	0.0025	0.083	0.0025	0.082	0.0025	0.073	0.0025	0.089	0.0025	0.072	0.0025	0.062	0.0025	0.069	0.0025	0.071	0.0025	0.065	0.0025	0.053	0.0025	0.066	0.0025	0.081	0.0025	0.087	0.0025	0.096	0.0025	0.087
Beryllium	0.004	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5.0	43	5.0	49	5.0	42	5.0	44	1.0	45	2.5	39	5.0	27	5.0	40	5.0	41	5.0	37	2.5	37	5.0	32	5.0	26	5.0	22	5.0	24	2.5	26	5.0	33	5.0	49	1.0	50
Cadmium	0.005	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.0	60	2.0	54	2.0	44	2.0	33	2.0	53	2.0	34	2.0	35	2.0	36	2.0	48	2.0	48	2.0	46	2.0	64	10	85	2.0	59	2.0	54	2.0	49	2.0	36	2.0	65	2.0	49
Chromium	0.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND ^	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.10	0.48	0.10	0.50	0.10	0.46	0.10	0.46	0.10	0.44	0.10	0.39	0.10	0.30	0.10	0.47	0.10	0.45	0.10	0.38	0.10	0.34	0.10	0.47	0.10	0.45	0.10	0.57	0.10	0.37	0.10	0.38	0.10	0.32	0.10	0.25	0.10	0.31
Iron	5.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.10	12	0.10	12	0.10	13	0.10	13	0.10	13	0.10	11	0.10	12	0.10	11	0.10	9.4	0.10	12	0.10	14	0.10	11	0.10	11	0.10	8.3	0.10	14	0.10	11	0.10	16	0.10	18	0.10	19
Lead	0.0075	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0010	0.00050	0.00072
Manganese	0.15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0025	0.46	0.0025	0.49	0.0025	0.48	0.0025	0.46	0.0025	0.46	0.0025	0.46	0.0025	0.60	0.0025	0.40	0.0025	0.34	0.0025	0.45	0.0025	0.62	0.0025	0.43	0.0025	0.40	0.0025	0.30	0.0025	0.48	0.0025	0.52	0.0025	0.55	0.0025	0.62	0.0025	0.69
Mercury	0.002	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0021	0.0020	ND	0.0020	ND	0.0020	0.0022	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.10	ND	0.10	ND	0.10	0.11	0.10	ND	0.10	ND	0.10	ND	0.10	0.11	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.10	ND	0.10	ND	0.10	0.11	0.10	ND	0.10	ND	0.10	ND	0.10	0.11	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND ^	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrite	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.020	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.004	ND	0.004	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	NR	NR	NR	NR
Selenium	0.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0025	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0050	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Silver	0.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND^	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	250	630	250	710	250	650	250	860	250	770	250	540	100	330	130	690	200	880	250	710	130	470	200	760	200	770	100	580	130	610	100	620	250	510	250	880	250	690
Thallium	0.002	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	10	1800	10	1800	10	1800	10	1800	10	1800	10	1600	10	1300	10	1600	10	1500	10	1600	10	1400	10	1700	10	1500	10	1300	10	1500	10	1500	10	1800	10	1800
Vanadium	0.049	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	NR	NR	NR	NR
BETX	11.705	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0015	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	NR	NR	NR	NR
pH	6.5 - 9.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	7.27	NA	8.24	NA	7.09	NA	7.10	NA	7.18	NA	7.67	NA	6.89	NA	7.25	NA	7.46	NA	7.56	NA	6.59	NA	7.38	NA	6.80	NA	7.31	NA	7.02	NA	6.99	NA	6.83	NA	7.48	NA	7.97
Temperature	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	12.99	NA	1.5	NA	12.46	NA	13.99	NA	12.92	NA	12.33	NA	9.89	NA	18.25	NA	13.37	NA	5.67	NA	10.80	NA	16.66	NA	15.05	NA	11.51	NA	12.08	NA	20.24	NA	7.26	NA	12.6	NA	15.1
Conductivity	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	1.54	NA	1.17	NA	1.385	NA	1.52	NA	1.01	NA	0.98	NA	1.26	NA	1.607	NA	1.394	NA	1.20	NA	1.34	NA	1.62	NA	1.65	NA	1.17	NA	1.45	NA	1.63	NA	1.26	NA	1.57	NA	1.52
Dissolved Oxygen	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	0.05	NA	0.33	NA	0.80	NA	0.28	NA	0.54	NA	1.19	NA	0.62	NA	1.18	NA	2.35	NA	1.31	NA	3.14	NA	0.87	NA	0.53	NA	0.90	NA	1.07	NA	2.46	NA	1.34	NA	1.71	NA	2.83
ORP	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	-129	NA	-111.6	NA	-151.7	NA	-125.8	NA	-127.7	NA	-116.8	NA	-16.9	NA	-143.6	NA	-112.5	NA	-137.2	NA	-73.9	NA	-135.5	NA	-69.4	NA	-97.4	NA	-118.4	NA	-84.4	NA	-92.4	NA	-26.8	NA	-93.2

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.
All samples through 2016 are filtered.
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits

Temperature	°C	degrees Celcius
Conductivity	ms/cm²	milisiemens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL 2010-2017

Sample: MW-08	Date	5/15/2014		8/22/2014		11/5/2014		2/18/2015		4/21/2015		8/12/2015		11/4/2015		2/29/2016		5/3/2016		8/25/2016		12/6/2016		2/23/2017		5/17/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND ^	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.0049	0.0010	0.0057	0.0010	0.0054	0.0010	0.0045	0.0010	0.0067	0.0010	0.0050	0.0010	0.0058	0.0010	0.0044	0.0020	0.0044	0.0010	0.0050	0.0010	0.0042	0.0010	0.0024	0.0010	0.0057
Barium	2.0	0.0025	0.083	0.0025	0.14	0.0025	0.15	0.0025	0.14	0.0025	0.090	0.0025	0.12	0.0025	0.13	0.0025	0.14	0.0025	0.11	0.0025	0.15	0.0025	0.15	0.0025	0.10	0.0025	0.091
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	5.0	19	5.0	24	5.0	28	5.0	24	2.5	23	5.0	22	2.5	22	5.0	27	5.0	26	2.5	24	5.0	30	5.0	32	5.0	21
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0055	0.00050	ND
Chloride	200.0	2.0	50	2.0	56	2.0	30	2.0	30	2.0	48	2.0	30	2.0	36	2.0	40	2.0	57	2.0	23	2.0	58	2.0	17	2.0	57
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND ^	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.30	0.10	0.29	0.10	0.29	0.10	0.21	0.10	0.24	0.10	0.26	0.10	0.27	0.10	0.24	0.10	0.26	0.10	0.24	0.10	0.23	0.10	ND	0.10	0.17
Iron	5.0	0.10	5.0	0.10	7.0	0.10	6.2	0.10	6.7	0.10	7.5	0.10	7.2	0.10	6.5	0.10	9.9	0.10	10	0.10	9.1	0.10	5.5	0.10	4.7	0.10	6.6
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00058	0.00050	ND
Manganese	0.15	0.0025	0.31	0.0025	0.33	0.0025	0.33	0.0025	0.36	0.0025	0.27	0.0025	0.34	0.0025	0.28	0.0025	0.37	0.0025	0.37	0.0025	0.48	0.0025	0.32	0.0025	0.26	0.0025	0.24
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0024	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	NR	NR	NR	NR
Selenium	0.05	0.0025	0.016	0.0025	0.0083	0.0025	0.012	0.0025	0.0050	0.0025	ND	0.0025	0.0054	0.0025	0.0059	0.0025	ND	0.0050	ND	0.0025	ND	0.0025	0.0042	0.0025	0.031	0.0025	0.0043
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	100	250	100	370	100	500	100	420	100	360	100	350	100	470	100	480	100	530	100	450	100	340	100	540	100	390
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	1000	10	1200	10	1200	10	1200	10	1100	10	1300	10	1100	10	1300	10	1300	10	1300	10	1300	10	1200	10	1200
Vanadium	0.049	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0057	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.037	0.020	ND
Benzene	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0007	0.00050	ND	0.00050	ND	0.0005	ND	0.00050	ND	NR	NR	NR	NR
BETX	11.705	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.00057	0.0025	ND	0.0025	ND	0.0025	0.0025	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	NR	NR	NR	NR
pH	6.5 - 9.0	NA	6.92	NA	6.97	NA	7.16	NA	7.36	NA	7.15	NA	7.11	NA	6.3	NA	6.93	NA	7	NA	6.84	NA	6.79	NA	6.9	NA	8.36
Temperature	NA	NA	9.19	NA	14.98	NA	12.55	NA	4.91	NA	8.13	NA	14.03	NA	13.78	NA	7.34	NA	9.71	NA	15.05	NA	12.22	NA	7.63	NA	12.48
Conductivity	NA	NA	0.99	NA	1.172	NA	1.224	NA	1.000	NA	1.048	NA	1.148	NA	1.268	NA	1.021	NA	1.25	NA	1.198	NA	1.14	NA	0.985	NA	1.082
Dissolved Oxygen	NA	NA	0.27	NA	0.29	NA	0.41	NA	1.91	NA	2.44	NA	0.78	NA	0.58	NA	0.94	NA	0.73	NA	0.47	NA	0.97	NA	1.13	NA	0.4
ORP	NA	NA	-16.1	NA	-97.4	NA	-94.9	NA	-98.9	NA	-128.3	NA	-119.4	NA	26	NA	-61.3	NA	-120.3	NA	-116.8	NA	-59.8	NA	20.4	NA	-141.3

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.
All samples through 2016 are filtered.
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits

Temperature	°C	degrees Celcius
Conductivity	ms/cm²	millisiemens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL 2010-2017

Sample: MW-09	Date	5/15/2014		8/22/2014		11/5/2014		2/18/2015		4/21/2015		8/13/2015		11/4/2015		3/2/2016		5/3/2016		8/25/2016		12/8/2016		2/23/2017		5/16/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND ^	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.0012	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	0.0099	0.0010	ND
Barium	2.0	0.0025	0.027	0.0025	0.014	0.0025	0.015	0.0025	0.010	0.0025	0.015	0.0025	0.018	0.0025	0.016	0.0025	0.030	0.0025	0.023	0.0025	0.0078	0.0025	0.012	0.0025	0.018	0.0025	0.0099
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	5.0	16	0.50	6.3	5.0	13	1.0	7.5	2.5	20	5.0	15	2.5	12	5.0	29	5.0	31	1.0	3.9	5.0	13	5.0	14	5.0	25
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	50	370	50	380	50	430	10	330	10	290	50	550	50	450	50	860	50	680	10	270	10	310	10	270	2.0	68
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0061	0.0050	ND	0.0050	0.045	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0056	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND ^	0.0020	ND	0.0020	ND	0.0020	0.0050	0.0020	ND
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.15	0.10	0.13	0.10	0.12	0.10	0.18	0.10	0.12	0.10	0.15	0.10	0.14	0.10	0.12	0.10	0.12	0.10	0.21	0.10	0.16	0.10	0.20	0.10	0.11
Iron	5.0	0.10	0.81	0.10	0.12	0.10	0.14	0.10	ND	0.10	0.16	0.10	ND	0.10	ND	0.10	0.29	0.10	0.21	0.10	0.16	0.10	ND	0.10	8.8	0.10	ND
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.14	0.0025	0.050	0.0025	0.048	0.0025	0.047	0.0025	0.064	0.0025	0.075	0.0025	0.056	0.0025	0.13	0.0025	0.088	0.0025	0.061	0.0025	0.067	0.0025	0.75	0.0025	0.024
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	ND	0.0020	0.0024	0.0020	0.0031	0.0020	ND	0.0020	0.0029	0.0020	ND	0.0020	0.0026	0.0020	0.0038	0.0020	0.0029	0.0020	0.016	0.0020	0.0023	0.0020	0.026	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.12	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.12	0.10	ND
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	NR	NR	NR	NR
Selenium	0.05	0.0025	0.014	0.0025	0.011	0.0025	0.0048	0.0025	0.0053	0.0025	0.018	0.0025	0.011	0.0025	0.0029	0.0025	0.010	0.0050	0.024	0.0025	0.017	0.0025	0.032	0.0025	0.018	0.0025	0.0083
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	100	360	50	230	100	430	50	320	100	380	100	450	100	400	250	920	250	780	50	160	100	240	100	410	100	390
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	1600	10	1300	10	1400	10	1300	10	1400	10	2200	10	1600	13	3000	10	2600	10	1000	10	1400	10	1200	10	970
Vanadium	0.049	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0058	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.021	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00071	0.00050	ND	0.00050	ND	0.0005	ND	0.00050	ND	NR	NR	NR	NR
BETX	11.705	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.00089	0.0025	ND	0.0025	ND	0.0025	0.00441	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	NR	NR	NR	NR
pH	6.5 - 9.0	NA	6.94	NA	6.90	NA	7.20	NA	7.45	NA	7.08	NA	6.98	NA	6.60	NA	7.02	NA	7.02	NA	7.13	NA	7.01	NA	7.68	NA	8.15
Temperature	NA	NA	9.70	NA	15.54	NA	12.98	NA	3.85	NA	8.81	NA	15.24	NA	15.84	NA	4.45	NA	9.32	NA	20.43	NA	10.36	NA	9.91	NA	14.82
Conductivity	NA	NA	1.70	NA	1.669	NA	1.773	NA	1.270	NA	1.457	NA	2.584	NA	2.227	NA	2.555	NA	2.536	NA	1.894	NA	1.336	NA	1.391	NA	0.876
Dissolved Oxygen	NA	NA	0.31	NA	0.32	NA	0.40	NA	2.15	NA	5.20	NA	0.96	NA	1.21	NA	1.56	NA	0.81	NA	2.56	NA	1.44	NA	3.11	NA	0.10
ORP	NA	NA	27.3	NA	6.7	NA	4.0	NA	11.0	NA	-5.6	NA	-25.2	NA	106.8	NA	53.4	NA	-19	NA	-1.9	NA	10.6	NA	53.5	NA	-68.9

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.
All samples through 2016 are filtered.
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits

Temperature	°C	degrees Celcius
Conductivity	ms/cm	millisiemens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL 2010-2017

Sample: ELUC MW-10	Date	8/22/2014		11/6/2014		2/18/2015		4/20/2015		8/11/2015		11/4/2015		3/2/2016		5/3/2016		8/26/2016		12/6/2016		2/23/2017		5/17/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.75	0.0010	0.40	0.0010	0.12	0.0010	0.74	0.0010	ND	0.0010	0.63	0.0010	0.58	0.0010	0.46	0.0010	0.35	0.0010	0.42	0.0010	0.67	0.0010	0.49
Barium	2.0	0.0025	0.072	0.0025	0.068	0.0025	0.064	0.0025	0.075	0.0025	0.047	0.0025	0.066	0.0025	0.069	0.0025	0.057	0.0025	0.067	0.0025	0.066	0.0025	0.091	0.0025	0.099
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	0.050	0.77	0.050	0.81	0.050	0.59	0.050	0.94	0.25	1.7	2.5	ND	0.50	1.9	0.10	1.9	0.25	0.96	0.25	1.0	0.25	1.3	0.25	1.1
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	2.0	61	2.0	65	2.0	49	10	98	2.0	36	10	82	10	120	10	110	10	110	10	140	10	180	10	160
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0057	0.0050	0.0053
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0010	0.0010	0.0011	0.0010	ND	0.0010	ND	0.0010	0.0010	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0040	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.19	0.10	0.19	0.10	0.19	0.10	0.11	0.10	0.15	0.10	0.15	0.10	0.13	0.10	0.13	0.10	0.17	0.10	0.15	0.10	0.14	0.10	0.13
Iron	5.0	0.10	7.3	0.10	3.5	0.10	ND	0.10	6.4	0.10	0.49	0.10	8.6	0.10	14	0.10	11	0.10	7.3	0.10	4.7	0.10	11	0.10	7.9
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.19	0.0025	0.13	0.0025	0.022	0.0025	0.19	0.0025	0.025	0.0025	0.20	0.0025	0.28	0.0025	0.22	0.0025	0.19	0.0025	0.14	0.0025	0.25	0.0025	0.21
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	0.0021	0.0020	0.0028	0.0020	ND	0.0020	0.0023	0.0020	0.0047	0.0020	ND	0.0020	0.0021	0.0020	0.0021	0.0020	ND	0.0020	ND	0.0020	0.0020	0.0020	0.0031
Nitrogen/Nitrate	10.0	0.10	ND	0.10	1.1	0.10	3.2	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.31	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	1.1	0.20	3.2	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.31	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	NR	NR	NR	NR
Selenium	0.05	0.0025	ND	0.0025	ND	0.0025	0.0041	0.0025	ND	0.0025	ND	0.0025	ND^	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	50	170	50	270	50	170	50	240	20	77	50	190	50	140	20	110	50	130	25	120	50	140	50	130
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	770	10	720	10	740	10	920	10	370	10	950	10	940	10	810	10	930	10	890	10	1100	10	960
Vanadium	0.049	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.036	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND	0.00050	ND	NR	NR	NR	NR
BETX	11.705	0.0025	ND	0.0025	0.0039	0.0025	0.0039	0.0025	ND	0.0025	ND	0.0025	0.00067	0.0025	0.00055	0.0025	ND	0.0025	ND	0.0025	ND	NR	NR	NR	NR
pH	6.5 - 9.0	NA	6.82	NA	7.44	NA	7.62	NA	7.26	NA	6.25	NA	6.15	NA	7.07	NA	6.85	NA	6.47	NA	7.14	NA	7.31	NA	8.24
Temperature	NA	NA	15.79	NA	10.38	NA	6.99	NA	8.87	NA	17.96	NA	13.05	NA	8.22	NA	10.47	NA	14.8	NA	11.61	NA	9.41	NA	12.02
Conductivity	NA	NA	0.922	NA	0.815	NA	0.680	NA	1.077	NA	0.510	NA	1.170	NA	1.049	NA	1.055	NA	1.128	NA	1.102	NA	1.266	NA	1.060
Dissolved Oxygen	NA	NA	0.20	NA	0.47	NA	2.66	NA	3.87	NA	1.46	NA	0.78	NA	1.2	NA	0.94	NA	0.42	NA	0.83	NA	0.85	NA	0.46
ORP	NA	NA	-91.9	NA	-75.1	NA	9.1	NA	-111.9	NA	10.7	NA	9.3	NA	-59.6	NA	-110.8	NA	-58.1	NA	-88.7	NA	-36.7	NA	-111.3

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.
All samples through 2016 are filtered.
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits

Temperature	°C	degrees Celcius
Conductivity	ms/cm	millisiemens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL 2010-2017

Sample: ELUC MW-11	Date	8/22/2014		11/6/2014		2/18/2015		4/20/2015		8/11/2015		11/5/2015		3/2/2016		5/5/2016		8/26/2016		12/7/2016		2/24/2017		5/18/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	1.3	0.0010	1.0	0.0010	0.96	0.0010	0.79	0.0010	0.81	0.0010	0.82	0.0010	0.55	0.0020	0.48	0.0010	0.89	0.0010	0.87	0.0010	0.57	0.0010	0.59
Barium	2.0	0.0025	0.039	0.0025	0.042	0.0025	0.041	0.0025	0.045	0.0025	0.038	0.0025	0.038	0.0025	0.040	0.0025	0.037	0.0025	0.042	0.0025	0.049	0.0025	0.049	0.0025	0.041
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	0.50	5.1	0.50	3.5	0.25	2.8	0.25	2.5	0.50	5.0	2.5	4.4	0.50	3.8	1.0	5.2	0.50	3.0	0.50	3.0	0.25	2.3	0.25	1.7
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	10	290	10	300	10	120	10	290	10	270	10	270	10	230	10	280	10	210	10	250	10	220	10	180
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.010	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0013	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0040	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0040
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.14	0.10	0.15	0.10	0.15	0.10	0.11	0.10	0.13	0.10	0.14	0.10	0.13	0.10	0.11	0.10	0.14	0.10	0.13	0.10	0.12	0.10	0.13
Iron	5.0	0.10	2.0	0.10	2.4	0.10	2.3	0.10	2.6	0.10	2.6	0.10	2.2	0.10	3.6	0.10	2.9	0.10	3.6	0.10	3.4	0.10	4.3	0.10	3.3
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.23	0.0025	0.21	0.0025	0.22	0.0025	0.24	0.0025	0.25	0.0025	0.21	0.0025	0.29	0.0025	0.21	0.0025	0.28	0.0025	0.26	0.0025	0.29	0.0025	0.24
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.28
Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.28
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	NR	NR	NR	NR
Selenium	0.05	0.0025	0.0089	0.0025	0.010	0.0025	0.0098	0.0025	ND	0.0025	0.0026	0.0025	0.0059	0.0025	ND	0.0050	ND	0.0025	ND	0.0025	0.0046	0.0025	ND	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	50	210	50	230	50	150	50	140	50	170	50	180	50	180	25	150	20	100	25	130	50	180	25	110
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	1100	10	1100	10	1200	10	1100	10	1200	10	1100	10	1100	10	1100	10	1000	10	1100	10	1200	10	970
Vanadium	0.049	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND	0.00050	ND	NR	NR	NR	NR
BETX	11.705	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0013	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	NR	NR	NR	NR
pH	6.5 - 9.0	NA	6.98	NA	7.46	NA	7.59	NA	7.23	NA	7.31	NA	6.51	NA	7.16	NA	7.17	NA	6.97	NA	7.06	NA	6.61	NA	7.42
Temperature	NA	NA	16.56	NA	11.28	NA	7.22	NA	9.13	NA	14.96	NA	17.97	NA	6.71	NA	8.86	NA	18.35	NA	10.91	NA	7.43	NA	14.66
Conductivity	NA	NA	1.596	NA	1.415	NA	1.300	NA	1.377	NA	1.550	NA	1.805	NA	1.191	NA	1.253	NA	1.527	NA	1.269	NA	1.236	NA	1.201
Dissolved Oxygen	NA	NA	0.34	NA	0.42	NA	1.21	NA	2.69	NA	0.92	NA	0.51	NA	0.92	NA	0.88	NA	0.57	NA	0.92	NA	0.96	NA	1.04
ORP	NA	NA	-89.8	NA	-122.4	NA	-105.3	NA	-115.1	NA	-108.5	NA	29.6	NA	-90.4	NA	-124.2	NA	-107.4	NA	-100.8	NA	-43.6	NA	-51.6

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.
All samples through 2016 are filtered.
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
+ - Denotes instrument related QC exceeds the control limits

Temperature	°C	degrees Celcius
Conductivity	ms/cm	millisiemens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL 2010-2017

Sample: ELUC MW-12	Date	8/22/2014		11/6/2014		2/18/2015		4/20/2015		8/11/2015		11/4/2015		2/29/2016		5/4/2016		8/25/2016		12/6/2016		2/22/2017		5/17/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.0011	0.0010	0.0014	0.0010	0.0012	0.0010	0.012	0.0010	0.46	0.0010	0.0011	0.0010	0.0046	0.0020	0.0042	0.0010	0.0017	0.0010	0.0010	0.0010	0.020	0.0010	0.055
Barium	2.0	0.0025	0.10	0.0025	0.083	0.0025	0.081	0.0025	0.048	0.0025	0.065	0.0025	0.045	0.0025	0.11	0.0025	0.14	0.0025	0.098	0.0025	0.085	0.0025	0.11	0.0025	0.12
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	0.25	1.9	0.50	1.4	0.25	1.6	0.25	10	0.25	1.4	2.5	ND	5.0	8.4	5.0	18	1.0	4.9	0.50	2.0	0.25	1.5	0.25	16
Cadmium	0.005	0.00050	0.0026	0.00050	0.0014	0.00050	0.0025	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0011	0.00050	0.00070	0.00050	0.0020	0.00050	ND
Chloride	200.0	50	410	10	370	10	160	10	130	10	85	2.0	29	2.0	60	10	120	10	180	10	220	10	210	10	180
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.028	0.0050	ND
Cobalt	1.0	0.0010	0.0033	0.0010	0.0023	0.0010	0.018	0.0010	0.0018	0.0010	ND	0.0010	0.0014	0.0010	0.0050	0.0010	0.0049	0.0010	0.0044	0.0010	0.0034	0.0010	0.0038	0.0010	0.0025
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND ^	0.0020	ND	0.0020	ND	0.0020	0.0051	0.0020	ND
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.10	0.10	ND	0.10	ND	0.10	0.22	0.10	0.15	0.10	0.13	0.10	0.14	0.10	0.19	0.10	0.12	0.10	0.11	0.10	0.12	0.10	0.21
Iron	5.0	0.10	2.2	0.10	0.88	0.10	1.2	0.10	2.1	0.10	4.7	0.10	0.48	0.10	2.2	0.10	2.3	0.10	3.5	0.10	1.6	0.10	39	0.10	6.4
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.11	0.0025	0.051	0.0025	0.70	0.0025	0.16	0.0025	0.17	0.0025	0.069	0.0025	0.29	0.0025	0.33	0.0025	0.32	0.0025	0.22	0.0025	0.21	0.0025	0.33
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	0.00022	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	0.016	0.0020	0.013	0.0020	0.075	0.0020	0.0071	0.0020	ND	0.0020	0.0047	0.0020	0.0075	0.0020	0.0079	0.0020	0.011	0.0020	0.0096	0.0020	0.022	0.0020	0.0048
Nitrogen/Nitrate	10.0	0.10	ND	0.10	0.56	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.20	0.10	ND	0.10	ND	0.10	1.4	0.10	0.48	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	0.56	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.20	0.10	ND	0.10	ND	0.10	1.4	0.10	0.48	0.10	ND
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	NR	NR	NR	NR
Selenium	0.05	0.0025	0.0059	0.0025	0.0074	0.0025	0.0027	0.0025	ND	0.0025	ND	0.0025	ND^	0.0025	ND	0.0050	ND	0.0025	ND	0.0025	0.0035	0.0025	0.0051	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	50	200	50	230	100	400	50	200	50	180	10	47	50	180	100	350	50	170	25	100	25	65	100	240
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	1100	10	950	10	1400	10	890	10	900	10	900	10	720	10	980	10	820	10	830	10	740	10	1100
Vanadium	0.049	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	0.14	0.020	0.086	0.020	0.74	0.020	0.030	0.020	ND	0.020	0.036	0.020	0.051	0.020	0.040	0.020	0.10	0.020	0.081	0.020	0.17	0.020	0.048
Benzene	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	0.11	0.00050	ND	NR	NR	NR	NR
BETX	11.705	.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.00095	0.0025	ND	0.0025	ND	0.0025	0.12	0.0025	ND	NR	NR	NR	NR
pH	6.5 - 9.0	NA	6.44	NA	6.66	NA	6.48	NA	6.96	NA	6.88	NA	5.49	NA	6.79	NA	6.85	NA	6.02	NA	6.62	NA	6.89	NA	8.14
Temperature	NA	NA	21.11	NA	12.65	NA	2.30	NA	9.17	NA	14.26	NA	15.79	NA	6.05	NA	9.13	NA	20.11	NA	12.22	NA	9.83	NA	13.76
Conductivity	NA	NA	1.700	NA	1.258	NA	1.14	NA	1.145	NA	1.130	NA	0.435	NA	0.641	NA	0.989	NA	1.108	NA	0.859	NA	0.865	NA	1.107
Dissolved Oxygen	NA	NA	1.17	NA	1.76	NA	2.57	NA	4.06	NA	0.89	NA	1.79	NA	1.14	NA	1.06	NA	0.65	NA	2.04	NA	2.73	NA	0.46
ORP	NA	NA	5.9	NA	28.5	NA	71.5	NA	-53.1	NA	-82.1	NA	110.4	NA	-3.3	NA	-66.2	NA	-6.5	NA	-14	NA	41.6	NA	-92.2

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.
All samples through 2016 are filtered.
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits

Temperature	°C
Conductivity	ms/cm
Dissolved Oxygen	mg/L
Oxygen Reduction Potential (ORP)	mV

degrees Celcius
millisiemens/centimeters
milligrams/liter
millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL 2010-2017

Sample: ELUC MW-14	Date	8/22/2014		11/6/2014		2/18/2015		4/20/2015		8/11/2015		11/5/2015		3/2/2016		5/5/2016		8/25/2016		12/7/2016		2/23/2017		5/18/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND	0.0030	ND	NS	NS	0.0030	0.0047	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	0.021	0.0030	ND
Arsenic	0.010	0.0010	0.13	0.0010	0.049	NS	NS	0.0010	0.050	0.0010	0.32	0.0010	0.23	0.0010	0.061	0.0010	0.20	0.0010	0.71	0.0010	0.13	0.10	25	0.0010	0.66
Barium	2.0	0.0025	0.049	0.0025	0.052	NS	NS	0.0025	0.024	0.0025	0.045	0.0025	0.053	0.0025	0.041	0.0025	0.049	0.0025	0.051	0.0025	0.050	0.0025	0.42	0.0025	0.045
Beryllium	0.004	0.0010	ND	0.0010	ND	NS	NS	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	0.25	1.0	0.50	1.0	NS	NS	0.050	0.54	0.25	1.1	2.5	ND	0.50	0.93	0.050	1.0 F1	0.50	1.3	0.25	0.94	0.50	0.65	0.10	0.76
Cadmium	0.005	0.00050	ND	0.00050	ND	NS	NS	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0016	0.00050	ND
Chloride	200.0	10	120	10	110	NS	NS	2.0	66	10	160	10	180	10	140	10	120	10	180	10	300	10	82	10	110
Chromium	0.1	0.0050	0.0060	0.0050	0.015	NS	NS	0.0050	0.032	0.0050	ND	0.0050	0.0093	0.0050	0.011	0.0050	ND	0.0050	0.0060	0.0050	0.0060	0.50	10	0.0050	0.20
Cobalt	1.0	0.0010	ND	0.0010	ND	NS	NS	0.0010	ND	0.0010	ND	0.0010	0.0011	0.0010	0.0014	0.0010	0.0016	0.0010	ND	0.0010	ND	0.0010	0.013	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	0.0024	NS	NS	0.0020	0.0022	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND^	0.0020	ND	0.0020	ND	0.0020	0.058	0.0020	0.0020
Cyanide	0.2	0.010	ND	0.010	ND	NS	NS	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.14	0.10	0.24	NS	NS	0.10	0.28	0.10	0.19	0.10	0.20	0.10	0.18	0.10	0.19	0.10	0.15	0.10	0.23	0.10	0.24	0.10	0.23
Iron	5.0	0.10	2.0	0.10	0.40	NS	NS	0.10	ND	0.10	1.8	0.10	1.4	0.10	0.28	0.10	1.1	0.10	4.7	0.10	0.92	10	450	0.10	7.8
Lead	0.0075	0.00050	ND	0.00050	ND	NS	NS	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0014	0.00050	ND
Manganese	0.15	0.0025	0.18	0.0025	0.054	NS	NS	0.0025	0.015	0.0025	0.13	0.0025	0.13	0.0025	0.17	0.0025	0.094	0.0025	0.13	0.0025	0.11	0.0025	0.74	0.0025	0.052
Mercury	0.002	0.00020	ND	0.00020	ND	NS	NS	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	ND	0.0020	0.0025	NS	NS	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0022	0.0020	0.0026	0.0020	0.0084	0.0020	ND	0.0020	0.0092	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	ND	0.10	0.17	NS	NS	0.10	0.73	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	0.17	NS	NS	0.10	0.73	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.19	0.10	ND
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	NS	NS	0.020	ND	0.020	ND	0.020	ND	0.020	0.022	0.020	ND	0.020	ND	0.020	ND	0.020	0.10	0.020	0.058
Perchlorate	0.0049	0.0040	ND	0.0040	ND	NS	NS	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	NR	NR	NR	NR
Selenium	0.05	0.0025	ND	0.0025	ND	NS	NS	0.0025	ND	0.0025	ND	0.0025	ND^	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.017	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	NS	NS	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	100	370	50	310	NS	NS	20	84	25	130	50	140	50	150	50	150	50	180	50	100	25	100	20	73
Thallium	0.002	0.0020	ND	0.0020	ND	NS	NS	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	1300	10	930	NS	NS	10	480	10	1000	10	890	10	890	10	960	10	1100	10	1100	10	660	10	600
Vanadium	0.049	0.0050	ND	0.0050	ND	NS	NS	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.040	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	NS	NS	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.18	0.020	ND
Benzene	0.005	0.00050	ND	0.00050	ND	NS	NS	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND	0.00050	ND	NR	NR	NR	NR
BETX	11.705	0.0025	ND	0.0025	0.0032	NS	NS	0.0025	ND	0.0025	ND	0.0025	0.00085	0.0025	ND	0.0025	0.0014	0.0025	ND	0.0025	ND	NR	NR	NR	NR
pH	6.5 - 9.0	NA	6.98	NA	7.32	NS	NS	NA	7.33	NA	7.02	NA	6.78	NA	7.24	NA	7.17	NA	7	NA	6.81	NA	6.88	NA	7.62
Temperature	NA	NA	16.36	NA	10.25	NS	NS	NA	7.80	NA	15.73	NA	15.17	NA	5.92	NA	9.16	NA	16.9	NA	8.37	NA	6.24	NA	16.57
Conductivity	NA	NA	1.435	NA	0.949	NS	NS	NA	0.414	NA	1.307	NA	1.448	NA	0.894	NA	1.065	NA	1.606	NA	1.073	NA	0.645	NA	0.773
Dissolved Oxygen	NA	NA	0.26	NA	0.59	NS	NS	NA	9.86	NA	0.78	NA	1.8	NA	0.54	NA	0.99	NA	0.48	NA	0.73	NA	1.36	NA	2.52
ORP	NA	NA	-60.8	NA	17.5	NS	NS	NA	11.4	NA	-58.4	NA	65.3	NA	10.7	NA	-88.3	NA	-98.5	NA	-4.9	NA	94.9	NA	7.3

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.
All samples through 2016 are filtered.
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits

Temperature	°C	degrees Celcius
Conductivity	ms/cm	millisiemens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL 2010-2017

Sample: ELUC MW-15	Date	8/22/2014		11/5/2014		2/18/2015		4/20/2015		8/11/2015		11/3/2015		2/29/2016		5/3/2016		8/23/2016		12/6/2016		2/22/2017		5/17/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND	0.0030	ND ^	NS	NS	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.0048	0.0010	0.012	NS	NS	0.0010	0.0061	0.0010	0.32	0.0010	0.010	0.0010	0.0074	0.0020	0.0060	0.0010	0.0088	0.0010	0.0098	0.0010	0.040	0.0010	0.031
Barium	2.0	0.0025	0.087	0.0025	0.083	NS	NS	0.0025	0.082	0.0025	0.045	0.0025	0.083	0.0025	0.11	0.0025	0.092	0.0025	0.10	0.0025	0.086	0.0025	0.087	0.0025	0.092
Beryllium	0.004	0.0010	ND	0.0010	ND	NS	NS	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	0.25	3.7	5.0	5.1	NS	NS	0.50	4.8	0.25	1.1	2.5	6.8	5.0	12	5.0	10	1.0	8.0	0.50	2.6	0.50	4.2	0.50	5.8
Cadmium	0.005	0.00050	ND	0.00050	ND	NS	NS	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	2.0	57	2.0	65	NS	NS	2.0	47	10	160	2.0	58	2.0	55	10	76	10	93	10	88	2.0	66	2.0	50
Chromium	0.1	0.0050	ND	0.0050	ND	NS	NS	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	0.0011	0.0010	0.0011	NS	NS	0.0010	0.0014	0.0010	ND	0.0010	0.0014	0.0010	0.0019	0.0010	0.0016	0.0010	0.0013	0.0010	0.0012	0.0010	0.0011	0.0010	0.0012
Copper	0.65	0.0020	ND	0.0020	ND	NS	NS	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND ^	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	0.010	0.17	0.010	ND	NS	NS	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.28	0.10	0.27	NS	NS	0.10	0.25	0.10	0.19	0.10	0.28	0.10	0.23	0.10	0.25	0.10	0.27	0.10	0.25	0.10	0.33	0.10	0.25
Iron	5.0	0.10	11	0.10	10	NS	NS	0.10	4.4	0.10	1.8	0.10	11	0.10	17	0.10	13	0.10	12	0.10	11	0.10	17	0.10	15
Lead	0.0075	0.00050	ND	0.00050	ND	NS	NS	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.39	0.0025	0.37	NS	NS	0.0025	0.35	0.0025	0.13	0.0025	0.48	0.0025	0.56	0.0025	0.50	0.0025	0.47	0.0025	0.43	0.0025	0.36	0.0025	0.37
Mercury	0.002	0.00020	ND	0.00020	ND	NS	NS	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	ND	0.0020	0.0023	NS	NS	0.0020	0.0025	0.0020	ND	0.0020	ND	0.0020	0.0031	0.0020	0.0026	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	NS	NS	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	ND	NS	NS	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	NS	NS	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	0.0040	ND	0.0040	ND	NS	NS	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	NR	NR	NR	NR
Selenium	0.05	0.0025	ND	0.0025	ND	NS	NS	0.0025	0.0025	0.0025	ND	0.0025	ND^	0.0025	ND	0.0050	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	NS	NS	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	100	250	100	350	NS	NS	50	240	25	130	50	250	100	400	100	370	50	330	50	200	100	210	100	230
Thallium	0.002	0.0020	ND	0.0020	ND	NS	NS	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	950	10	830	NS	NS	10	810	10	1000	10	320	10	1100	10	1000	10	1100	10	890	10	860	10	1100
Vanadium	0.049	0.0050	ND	0.0050	ND	NS	NS	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	NS	NS	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	0.00050	ND	0.00050	ND	NS	NS	0.00050	ND	0.00050	ND	0.00050	0.00056	0.00050	ND	0.00050	ND	0.0005	ND	0.00050	ND	NR	NR	NR	NR
BETX	11.705	0.0025	ND	0.0025	ND	NS	NS	0.0025	ND	0.0025	ND	0.0025	0.00206	0.0025	ND	0.0025	0.0017	0.0025	ND	0.0025	ND	NR	NR	NR	NR
pH	6.5 - 9.0	NA	6.57	NA	7.25	NS	NS	NA	6.78	NA	6.69	NA	6.26	NA	6.96	NA	7.05	NA	6.64	NA	6.91	NA	6.78	NA	8.19
Temperature	NA	NA	14.15	NA	12.68	NS	NS	NA	7.79	NA	14.22	NA	13.46	NA	8.4	NA	9.93	NA	15.67	NA	11.86	NA	10.67	NA	11.39
Conductivity	NA	NA	1.114	NA	0.982	NS	NS	NA	0.840	NA	1.024	NA	1.12	NA	1.003	NA	1.034	NA	1.171	NA	0.843	NA	0.858	NA	0.753
Dissolved Oxygen	NA	NA	0.25	NA	0.44	NS	NS	NA	3.50	NA	0.79	NA	0.58	NA	0.85	NA	1.0	NA	0.82	NA	0.83	NA	0.64	NA	0.75
ORP	NA	NA	-75.2	NA	-105	NS	NS	NA	-44.8	NA	-72.7	NA	-18.4	NA	-84.8	NA	-127.3	NA	-64.9	NA	-88.3	NA	-38.3	NA	-108.9

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.
All samples through 2016 are filtered.
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
NS - Not Sampled
^ - Denotes instrument related QC exceeds the control limits

Temperature	°C	degrees Celcius
Conductivity	ms/cm²	milisiemens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Well	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium
	State Standards	0.006	0.01	2.0	0.004	0.005	0.01	1.0	4.0	0.0075	NS	0.002	NS	40 pCi/L	0.05	0.002
MW-16	11/3/2015	< 0.003	0.001	0.047	^ < 0.001	< 0.0005	< 0.005	< 0.001	0.43	< 0.0005	0.071	< 0.0002	0.021	0.865	0.0074	< 0.002
	3/2/2016	< 0.003	0.0015	0.035	< 0.001	0.001	< 0.005	< 0.001	0.35	< 0.0005	0.13	< 0.0002	0.013	< 0.396	0.0052	0.002
	5/2/2016	< 0.003	0.0011	0.052	< 0.001	0.00053	< 0.005	< 0.001	0.49	< 0.0005	0.024	< 0.0002	0.014	0.70	< 0.0025	< 0.002
	8/24/2016	< 0.003	< 0.001	0.028	< 0.001	< 0.0005	< 0.005	< 0.001	0.71	< 0.0005	0.014	< 0.0002	0.022	< 0.462	< 0.0025	< 0.002
	12/5/2016	< 0.003	0.036	0.062	< 0.001	< 0.0005	< 0.005	0.0012	0.51	0.00054	0.011	< 0.0002	0.021	0.791	< 0.0025	< 0.002
	2/24/2017	< 0.003	0.027	0.067	< 0.001	< 0.0005	0.005	0.0011	0.2	< 0.0005	0.012	< 0.0002	0.023	0.54	0.0037	< 0.002
	5/16/2017	< 0.003	0.043	0.045	^< 0.001	0.0043	0.0076	< 0.001	0.15	0.00057	0.13	< 0.0002	0.016	0.441	0.016	0.0021
	7/6/2017	< 0.003	0.0029	0.029	< 0.001	0.00069	< 0.005	< 0.001	0.57	< 0.0005	0.017	< 0.0002	0.017	< 0.382	< 0.0025	< 0.002

Notes: State Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.
All samples were unfiltered.
All values are in mg/L (ppm) unless otherwise noted.

^ - Denotes instrument related QC exceeds the control limits
NS - No Standard

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Will County Station, Romeoville, IL

Sample: MW-01	Date	12/13/2010		3/28/2011		6/15/2011		9/15/2011		12/8/2011		3/16/2012		6/20/2012		9/24/2012		12/18/2012		3/5/2013		5/23/2013		8/14/2013		10/29/2013		2/20/2014		5/20/2014		8/13/2014		10/21/2014		2/4/2015		4/30/2015		7/27/2015		11/9/2015		2/18/2016		5/26/2016		8/11/2016		10/27/2016		2/2/2017		5/10/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND^	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	0.0063	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND^	0.0030	ND
Arsenic	0.010	0.0010	ND	0.0010	ND	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0011	0.0010	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0020	ND	0.0010	ND
Barium	2.0	0.0025	0.050	0.0025	0.041	0.0025	0.046	0.0025	0.038	0.0025	0.033	0.0025	0.033	0.0025	0.039	0.0025	0.035	0.0025	0.034	0.0025	0.034	0.0025	0.035	0.0025	0.090	0.0025	0.10	0.0025	0.085	0.0025	0.054	0.0025	0.064	0.0025	0.077	0.0025	0.066	0.0025	0.069	0.0025	0.076	0.0025	0.078	0.0025	0.075	0.0025	0.075	0.0025	0.10	0.0025	0.095	0.0025	0.082	0.0025	0.078
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND^	0.0010	ND
Boron	2.0	0.25	1.8	0.050	1.6	0.050	1.8	0.050	1.7	0.050	1.6	0.25	1.5	0.50	2.1	0.25	1.9	0.50	1.9	0.50	1.9	0.50	2.4	0.50	2.3	0.10	2.6	0.25	2.4	0.50	2.5	0.10	1.2	0.050	0.96	1.0	ND	0.25	0.81	0.050	0.91	0.050	0.73	0.050	0.80	0.050	0.74	0.25	0.87	0.050	0.76	0.50	0.69	0.25	1.1
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	10	110	10	210	10	110	10	120	10	140	10	190	10	170	10	120	10	160	10	220	10	190	10	120	10	160	10	120	10	87	2.0	35	2.0	29	2.0	30	2.0	28	2.0	33	2.0	26	2.0	27	2.0	25	2.0	26	2.0	24	2.0	33	2.0	50
Chromium	0.1	0.0050	ND	0.0050	ND	0.025	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.035	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	0.0011	0.0010	ND	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0017	0.0010	ND	0.0010	0.0016	0.0010	0.0022	0.0010	0.0017	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.010	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0026	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.71	0.10	0.65	0.10	0.53	0.10	0.77	0.10	0.73	0.10	0.69	0.10	0.77	0.10	0.86	0.10	0.86 ^	0.10	0.77 ^	0.10	0.94	0.10	0.50	0.10	0.41	0.10	0.39	0.10	0.48	0.10	0.50	0.10	0.52	0.10	0.59	0.10	0.59	0.10	0.66	0.10	0.80	0.10	0.73	0.10	0.72	0.10	0.82	0.10	0.89	0.10	0.79	0.10	0.59
Iron	5.0	0.10	ND	0.10	ND	0.50	ND	0.10	0.11	0.10	0.11	0.10	ND	0.10	0.23	0.10	0.33	0.10	0.20	0.10	0.42	0.10	0.46	0.10	0.72	0.10	1.2	0.10	0.34	0.10	0.46	0.10	0.19	0.10	0.16	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.20	0.0025	0.15	0.013	0.22	0.0025	0.16	0.0025	0.17	0.0025	0.16	0.0025	0.16	0.0025	0.15	0.0025	0.18	0.0025	0.17	0.0025	0.13	0.0025	0.22	0.0025	0.28	0.0025	0.30	0.0025	0.26	0.0025	0.24	0.0025	0.17	0.0025	0.079	0.0025	0.011	0.0025	0.15	0.0025	0.088	0.0025	0.0087	0.0025	0.0082	0.0025	0.075 B	0.0025	0.074	0.0025	0.025	0.0025	0.032
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	0.0046	0.0020	0.0038	0.010	ND	0.0020	0.0029	0.0020	0.0040	0.0020	0.0042	0.0020	0.0041	0.0020	0.0043	0.0020	0.0052	0.0020	0.054	0.0020	0.0069	0.0020	0.0047	0.0020	0.0055	0.0020	0.0058	0.0020	0.0050	0.0020	0.0025	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0021	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0023
Nitrogen/Nitrate	10.0	0.10	ND	0.10	1.1	0.10	0.73	0.10	0.33	0.10	1.4	0.10	2.2	0.10	0.61	0.10	0.25	0.10	1.5	0.10	1.6	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.27	0.10	0.25	0.10	0.19	0.10	0.15	0.10	0.37	0.10	0.40	0.10	0.12	0.10	0.58	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	1.1	0.10	0.73	0.10	0.37	0.10	1.4	0.20	2.2	0.10	0.61	0.10	0.25	0.10	1.5	0.10	1.6	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.27	0.10	0.25	0.10	0.19	0.10	0.15	0.10	0.37	0.10	0.40	0.10	0.12	0.10	0.58	0.10	ND
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	0.042	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.004	ND	0.004	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	0.0025	ND	0.0025	ND	0.013	ND	0.0025	0.0053	0.0025	0.0025	0.0025	0.0033	0.0025	0.0040	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0042	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0028	0.0025	0.0051	0.0025	0.0053 ^	0.0025	0.0027	0.0025	0.0028	0.0025	0.0032	0.0025	0.0039	0.0025	0.0026	0.0025	ND	0.0050	ND	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND ^	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	100	530	100	390	100	280	50	320	100	270	100	430	100	390	100	390	100	290	100	310	100	460	130	540	100	430	100	390	100	230	25	91	25	150	25	99	50	100	25	120	25	110	50	120	25	110	25	80	20	97	25	90	50	140
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	1100	10	1100	10	1100	10	760	10	770	10	910	10	950	10	790	10	880	10	930	10	1100	10	1300	10	1300	10	1300	10	890	10	600	10	600	10	570	10	510	10	570	10	470	10	530	10	530	10	510	10	480	10	590	10	650
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.10	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.040	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND^	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.00059	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0013	0.0025	ND	0.0025	0.0012	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	7.89	NA	8.05	NA	7.28	NA	7.57	NA	7.16	NA	7.84	NA	7.55	NA	7.70	NA	7.79	NA	8.41	NA	7.56	NA	7.18	NA	7.04	NA	8.96	NA	7.19	NA	6.91	NA	7.12	NA	7.41	NA	7.36	NA	7.44	NA	7.25	NA	7.17	NA	7.12	NA	7.07	NA	7.45	NA	7.22	NA	
Temperature	NA	NA	16.28	NA	10.74	NA	14.96	NA	21.42	NA	14.57	NA	12.34	NA	18.50	NA	22.35	NA	14.65	NA	9.90	NA	14.40	NA	16.82	NA	16.20	NA	11.29	NA	17.77	NA	20.79	NA	17.29	NA	12.62	NA	12.63	NA	21.71	NA	17.51	NA	10.73	NA	20.50	NA	23.50	NA	15.04	NA	11.20	NA	
Conductivity	NA	NA	1.70	NA	1.76	NA	1.55	NA	1.01	NA	1.00	NA	1.06	NA	1.24	NA	1.15	NA	1.14	NA	1.16	NA	1.25	NA	1.51	NA	1.53	NA	1.27	NA	1.50	NA	0.95	NA	0.90	NA	0.64	NA	0.697	NA	0.858	NA	0.687	NA	0.53	NA	0.80	NA	0.82	NA	0.64	NA	0.64	NA	
Dissolved Oxygen	NA	NA	NM	NA	0.34	NA	0.07	NA	0.06	NA	0.06	NA	0.11	NA	0.13	NA	0.09	NA	0.06	NA	0.20	NA	0.50	NA	0.26	NA	0.57	NA	1.11	NA	0.42	NA	0.50	NA	0.45	NA	1.07	NA	2.32	NA	1.39	NA	0.62	NA	2.08	NA	2.02	NA	1.51	NA	2.53	NA	1.10	NA	
ORP	NA	NA	NM	NA	-174.1	NA	49.2	NA	-306	NA	-108	NA	-63	NA	-98	NA	-128	NA	-103	NA	-112.3	NA	-157.5	NA	-81.4	NA	-132.6	NA	-180.6	NA	-9.7	NA	-60.4	NA	-64.4	NA	-8.3	NA	31.7	NA	-122.9	NA	-0.6	NA	-43.8	NA	-18.5	NA	-126.9	NA	-62.6	NA	-5.5	NA	

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
^ - Denotes instrument related QC exceeds the control limits

Temperature	°C	degrees Celcius
Conductivity	ms/cm	millisiemens/centimeter
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Will County Station, Romeoville, IL

Sample: MW-02	Date	12/13/2010		3/28/2011		6/15/2011		9/15/2011		12/8/2011		3/16/2012		6/20/2012		9/24/2012		12/18/2012		3/5/2013		5/23/2013		8/14/2013		10/28/2013		2/20/2014		5/20/2014		8/13/2014		10/20/2014		2/4/2015		5/1/2015		7/28/2015		11/10/2015		2/17/2016		5/25/2016		8/11/2016		10/27/2016		2/2/2017		5/10/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND^	0.0030	ND	0.015	ND	0.0030	0.0073	0.0030	0.017	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.0052	0.0010	0.0032	0.0050	ND	0.0010	0.0080	0.0010	0.0058	0.0010	0.0048	0.0010	0.0044	0.0010	0.0071	0.0010	0.0046	0.0010	0.0037	0.0010	0.0051	0.0010	0.0059	0.0010	0.0091	0.0010	0.0071	0.0010	0.0053	0.0010	0.0096	0.0010	0.013	0.0010	0.0095	0.0010	0.0076	0.0010	0.013	0.0010	0.018	0.0010	0.0072	0.0010	0.0088	0.0010	0.018	0.0010	0.017	0.0020	0.0075	0.0010	0.0025
Barium	2.0	0.0025	0.061	0.0025	0.068	0.013	0.068	0.0025	0.048	0.0025	0.048	0.0025	0.058	0.0025	0.062	0.0025	0.050	0.0025	0.051	0.0025	0.057	0.0025	0.071	0.0025	0.075	0.0025	0.079	0.0025	0.080	0.0025	0.077	0.0025	0.089	0.0025	0.10	0.0025	0.092	0.0025	0.096	0.0025	0.093	0.0025	0.098	0.0025	0.092	0.0025	0.088	0.0025	0.090	0.0025	0.093	0.0025	0.078	0.0025	0.075
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND^	0.0010	ND	0.0010	ND
Boron	2.0	0.25	1.8	0.25	1.7	0.050	2.3	0.050	2.3	0.050	1.7	0.25	1.7	0.50	2.0	0.25	2.2	0.50	1.8	0.50	1.7	0.50	1.9	0.50	2.2	0.10	2.4	0.25	2.4	0.50	2.8	0.25	3.0	0.50	3.6	1.0	3.8	0.25	3.8	0.50	4.0	0.50	4.4	0.050	4.3	0.050	3.9	0.25	4.1	0.50	4.9	0.50	4.3	0.50	3.6
Cadmium	0.005	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	10	110	10	250	10	180	10	110	10	120	10	140	10	150	10	110	10	130	10	190	10	200	10	170	10	180	10	170	10	130	10	100	10	97	10	130	10	110	10	90	10	110	10	80	2.0	64	2.0	72	2.0	71	2.0	56	2.0	44
Chromium	0.1	0.0050	ND	0.0050	ND	0.025	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.010	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.62	0.10	0.50	0.10	0.42	0.10	0.59	0.10	0.59	0.10	0.46	0.10	0.55	0.10	0.71	0.10	0.60 ^	0.10	0.48 ^	0.10	0.47	0.10	0.45	0.10	0.47	0.10	0.44	0.10	0.39	0.10	0.41	0.10	0.39	0.10	0.41	0.10	0.38	0.10	0.38	0.10	0.40	0.10	0.38	0.10	0.32	0.10	0.34	0.10	0.36	0.10	0.40	0.10	0.18
Iron	5.0	0.10	ND	0.10	ND	0.50	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.14	0.10	0.33	0.10	ND	0.10	0.29	0.10	0.64	0.10	0.17	0.10	ND	0.10	0.58	0.10	0.78	0.10	ND	0.10	ND	0.10	0.21	0.10	1.0	0.10	1.0	0.10	0.15	0.10	0.42
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0012
Manganese	0.15	0.0025	0.032	0.0025	0.032	0.013	0.043	0.0025	0.036	0.0025	0.031	0.0025	0.031	0.0025	0.038	0.0025	0.029	0.0025	0.033	0.0025	0.029	0.0025	0.041	0.0025	0.041	0.0025	0.043	0.0025	0.044	0.0025	0.024	0.0025	0.074	0.0025	0.083	0.0025	0.064	0.0025	0.055	0.0025	0.085	0.0025	0.068	0.0025	0.080	0.0025	0.061	0.0025	0.083 B	0.0025	0.092	0.0025	0.079	0.0025	0.21
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.010	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0021	0.0020	0.0024	0.0020	0.0023	0.0020	0.0026	0.0020	0.0029	0.0020	0.0029	0.0020	0.0032	0.0020	0.0029	0.0020	0.0031	0.0020	0.0048	0.0020	0.0032	0.0020	0.0038	0.0020	0.0038	0.0020	0.0029	0.0020	0.0085
Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.11	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.16	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.11	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.16	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.004	ND	0.004	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	0.0025	ND	0.0025	ND	0.013	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND ^	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	100	430	100	280	50	400	50	330	50	220	50	330	100	340	50	280	50	250	50	260	50	250	100	300	100	280	100	210	100	300	100	340	100	510	100	400	100	460	100	610	100	600	200	710	250	650	250	510	250	670	100	590	250	470
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	870	10	970	10	900	10	720	10	650	10	810	10	850	10	690	10	710	10	740	10	890	10	900	10	950	10	1000	10	1000	10	1100	10	1200	10	1200	10	1200	10	1300	10	1000	10	1300	10	1300	10	1500	10	1500	10	1400	10	1300
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.10	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.00083	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.00072	0.0025	ND	0.0025	ND	0.0025	0.00055	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	8.62	NA	8.62	NA	8.00	NA	8.11	NA	7.80	NA	8.34	NA	8.23	NA	8.33	NA	8.40	NA	7.79	NA	8.00	NA	7.93	NA	8.06	NA	8.97	NA	7.74	NA	7.59	NA	6.94	NA	8.14	NA	8.00	NA	7.94	NA	8.06	NA	7.63	NA	7.50	NA	7.60	NA	7.86	NA	7.76	NA	8.26
Temperature	NA	NA	16.29	NA	13.56	NA	15.90	NA	18.05	NA	16.14	NA	14.74	NA	16.59	NA	19.10	NA	15.58	NA	12.00	NA	15.53	NA	16.36	NA	15.02	NA	11.56	NA	17.35	NA	18.69	NA	17.11	NA	14.26	NA	18.64	NA	19.83	NA	15.84	NA	8.11	NA	18.77	NA	26.04	NA	14.23	NA	11.16	NA	14.08
Conductivity	NA	NA	1.37	NA	1.64	NA	1.54	NA	0.96	NA	0.83	NA	0.95	NA	1.12	NA	0.91	NA	0.88	NA	0.97	NA	1.06	NA	1.10	NA	1.06	NA	1.02	NA	1.31	NA	1.38	NA	1.63	NA	1.37	NA	1.581	NA	1.718	NA	1.495	NA	1.05	NA	1.70	NA	1.97	NA	1.54	NA	1.42	NA	1.35
Dissolved Oxygen	NA	NA	NM	NA	0.19	NA	0.07	NA	0.06	NA	0.06	NA	0.02	NA	0.03	NA	0.14	NA	0.06	NA	3.81	NA	0.52	NA	0.19	NA	0.54	NA	1.31	NA	0.72	NA	0.38	NA	0.31	NA	0.90	NA	1.60	NA	0.75	NA	0.49	NA	1.68	NA	1.30	NA	2.33	NA	2.28	NA	0.84	NA	2.48
ORP	NA	NA	NM	NA	-154.9	NA	63	NA	-309	NA	-147	NA	-104	NA	-160	NA	-156	NA	-106	NA	189.8	NA	-117.5	NA	-160.5	NA	-172.5	NA	-161.4	NA	-28.3	NA	-107.9	NA	-135.2	NA	-126.8	NA	-116.1	NA	-112.8	NA	-143.6	NA	-96.1	NA	-81.0	NA	-136.7	NA	-148.3	NA	-47.6	NA	-17.1

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
^ - Denotes instrument related QC exceeds the control limits

Temperature	°C	degrees Celcius
Conductivity	ms/cmf	millisiemens/centimeter
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Will County Station, Romeoville, IL

Sample: MW-03	Date	12/13/2010		3/28/2011		6/15/2011		9/15/2011		12/8/2011		3/16/2012		6/20/2012		9/24/2012		12/18/2012		3/5/2013		5/22/2013		8/14/2013		10/28/2013		2/13/2014		5/21/2014		8/12/2014		10/20/2014		2/4/2015		5/1/2015		7/28/2015		11/10/2015		2/17/2016		5/25/2016		8/11/2016		10/27/2016		2/1/2017		5/11/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND^	0.0030	ND	0.015	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.0020	0.0010	0.0024	0.0050	ND	0.0010	0.0025	0.0010	0.0018	0.0010	0.0017	0.0010	0.0020	0.0010	0.0026	0.0010	0.0019	0.0010	0.0017	0.0010	0.0019	0.0010	0.0023	0.0010	0.0018	0.0010	ND	0.0010	0.0021	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0011	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0070
Barium	2.0	0.0025	0.084	0.0025	0.086	0.013	0.071	0.0025	0.079	0.0025	0.083	0.0025	0.075	0.0025	0.12	0.0025	0.085	0.0025	0.079	0.0025	0.085	0.0025	0.095	0.0025	0.083	0.0025	0.083	0.0025	0.095	0.0025	0.071	0.0025	0.064	0.0025	0.077	0.0025	0.094	0.0025	0.093	0.0025	0.081	0.0025	0.11	0.0025	0.079	0.0025	0.088	0.0025	0.11	0.0025	0.11	0.0025	0.083	0.0025	0.067
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND^	0.0010	ND	0.0010	ND
Boron	2.0	0.25	2.7	0.25	2.4	0.050	2.6	0.050	3.3	0.050	2.8	0.25	2.7	0.50	3.1	0.25	3.9	0.50	3.4	0.50	3.2	0.50	3.7	0.50	3.6	0.10	3.5	0.50	3.2	0.50	3.3	0.25	3.5	0.50	3.6	1.0	2.9	0.25	2.9	0.50	4.1	0.50	3.0	0.050	3.0	0.050	2.9	0.25	3.1	0.50	3.3 F1	0.25	3.0	0.50	4.1
Cadmium	0.005	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	2.0	54	10	250	10	100	10	130	10	100	10	95	10	88	10	96	10	100	10	87	10	110	10	100	10	110	2.0	69	2.0	62	10	91	2.0	57	2.0	43	2.0	33	2.0	59	10	33	2.0	28	2.0	27	2.0	27	2.0	22	2.0	20	2.0	43
Chromium	0.1	0.0050	ND	0.0050	ND	0.025	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	0.0022	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0011	0.0010	0.0014	0.0010	0.0016	0.0010	ND	0.0010	ND	0.0010	0.0011	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0013	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0011	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.010	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.50	0.10	0.37	0.10	0.36	0.10	0.45	0.10	0.39	0.10	0.38	0.10	0.36	0.10	0.45	0.10	0.44 ^	0.10	0.38 ^	0.10	0.41	0.10	0.42	0.10	0.49	0.10	0.41	0.10	0.43	0.10	0.56	0.10	0.51	0.10	0.38	0.10	0.38	0.10	0.44	0.10	0.39	0.10	0.41	0.10	0.41	0.10	0.36	0.10	0.38	0.10	0.34	0.10	0.27
Iron	5.0	0.10	0.37	0.10	0.57	0.50	ND	0.10	0.26	0.10	0.19	0.10	0.20	0.10	0.34	0.10	0.21	0.10	0.20	0.10	0.20	0.10	0.21	0.10	0.26	0.10	ND	0.10	ND	0.10	ND	0.10	0.13	0.10	ND	0.10	0.18	0.10	0.12	0.10	0.13	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.34	0.0025	0.31	0.013	0.34	0.0025	0.26	0.0025	0.29	0.0025	0.27	0.0025	0.37	0.0025	0.24	0.0025	0.25	0.0025	0.29	0.0025	0.22	0.0025	0.19	0.0025	0.16	0.0025	0.45	0.0025	0.25	0.0025	0.16	0.0025	0.29	0.0025	0.47	0.0025	0.43	0.0025	0.28	0.0025	0.42	0.0025	0.33	0.0025	0.35	0.0025	0.41 B	0.0025	0.49	0.0025	0.33	0.0025	0.033
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	0.0054	0.0020	0.0037	0.010	ND	0.0020	0.0061	0.0020	0.0053	0.0020	0.0052	0.0020	0.0051	0.0020	0.0069	0.0020	0.0079	0.0020	0.0061	0.0020	0.0088	0.0020	0.010	0.0020	0.011	0.0020	0.0058	0.0020	0.0061	0.0020	0.010	0.0020	0.0073	0.0020	0.0055	0.0020	0.0047	0.0020	0.0086	0.0020	0.0049	0.0020	0.0073	0.0020	0.0061	0.0020	0.0073	0.0020	0.0064	0.0020	0.0068	0.0020	0.0021
Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	0.10	0.81	0.10	ND	0.10	0.54	0.10	ND	0.10	0.18	0.10	ND	0.10	ND	0.10	0.21	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.30	0.10	ND	0.10	0.82	0.10	0.20
Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	ND	0.10	0.81	0.10	ND	0.10	0.54	0.10	ND	0.10	0.18	0.10	ND^	0.10	ND	0.10	0.21	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.30	0.10	ND	0.10	0.82	0.10	0.20
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.004	ND	0.004	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	0.0025	ND	0.0025	ND	0.013	ND	0.0025	0.0033	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0040	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0049	0.0025	ND	0.0025	0.0025	0.0025	ND	0.0025	ND	0.0025	0.0043	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND F1	0.0050	ND	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND ^	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	100	330	50	270	50	240	100	250	100	280	100	320	100	500	100	440	100	480	100	390	100	610	100	530	100	540	100	560	100	560	100	570	100	570	100	320	100	250	100	520	50	280	100	400	100	370	100	230	50	240	100	310	100	510
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	940	10	1000	10	990	10	1000	10	930	10	1000	10	1400	10	1100	10	1100	10	1100	10	1200	10	1200	10	1100	10	1200	10	1200	10	1100	10	1100	10	1100	10	990	10	1100	10	950	10	980	10	960	10	930	10	910	10	940	10	1100
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.10	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0014	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	7.21	NA	7.72	NA	7.01	NA	7.18	NA	6.55	NA	7.24	NA	6.79	NA	7.12	NA	7.21	NA	7.88	NA	7.21	NA	7.20	NA	7.24	NA	7.03	NA	7.21	NA	7.39	NA	6.06	NA	7.11	NA	7.07	NA	7.63	NA	6.81	NA	7.10	NA	7.02	NA	6.90	NA	6.97	NA	7.18	NA	8.12
Temperature	NA	NA	12.84	NA	9.89	NA	14.19	NA	15.69	NA	13.57	NA	11.65	NA	15.47	NA	17.33	NA	13.40	NA	9.50	NA	16.15	NA	16.84	NA	14.53	NA	9.92	NA	15.74	NA	16.79	NA	14.39	NA	10.34	NA	11.15	NA	18.62	NA	13.54	NA	9.00	NA	20.09	NA	20.43	NA	13.88	NA	7.94	NA	12.14
Conductivity	NA	NA	1.52	NA	1.69	NA	1.46	NA	1.24	NA	1.14	NA	1.06	NA	1.48	NA	1.38	NA	1.25	NA	1.18	NA	1.39	NA	1.37	NA	1.22	NA	1.03	NA	1.43	NA	1.40	NA	1.48	NA	1.11	NA	1.139	NA	1.472	NA	1.155	NA	0.84	NA	1.26	NA	1.26	NA	1.05	NA	0.97	NA	1.07
Dissolved Oxygen	NA	NA	NM	NA	0.18	NA	3.15	NA	0.02	NA	0.06	NA	0.02	NA	0.03	NA	0.02	NA	0.15	NA	3.93	NA	0.58	NA	0.43	NA	0.51	NA	0.81	NA	0.73	NA	1.45	NA	0.43	NA	1.81	NA	2.99	NA	1.13	NA	1.08	NA	1.27	NA	2.02	NA	1.32	NA	2.10	NA	2.23	NA	2.05
ORP	NA	NA	NM	NA	-157.3	NA	115.5	NA	-285	NA	-113	NA	-31	NA	-50	NA	-34	NA	-57	NA	60.1	NA	-65.3	NA	-66.4	NA	-138.6	NA	434.5	NA	18.4	NA	-90.3	NA	47.7	NA	7.2	NA	-18.3	NA	-124.6	NA	-6.0	NA	44.1	NA	-74.2	NA	-95.1	NA	-82.0	NA	-70.7	NA	-60.1

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
^ - Denotes instrument related QC exceeds the control limits

Temperature	°C	degrees Celcius
Conductivity	ms/cmf	millisiemens/centimeter
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Will County Station, Romeoville, IL

Sample: MW-04	Date	12/13/2010		3/28/2011		6/15/2011		9/15/2011		12/8/2011		3/16/2012		6/20/2012		9/24/2012		12/18/2012		3/5/2013		5/22/2013		8/14/2013		10/28/2013		2/13/2014		5/21/2014		8/13/2014		10/20/2014		2/4/2015		5/1/2015		7/28/2015		11/11/2015		2/17/2016		5/25/2016		8/11/2016		10/27/2016		2/1/2017		5/11/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND^	0.0030	ND	0.015	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.0027	0.0010	0.0016	0.0050	ND	0.0010	0.0041	0.0010	0.0016	0.0010	0.0015	0.0010	0.0028	0.0010	0.0044	0.0020	0.0033	0.0010	0.0010	0.0010	0.0013	0.0010	0.0032	0.0010	0.0054	0.0010	0.0010	0.0010	ND	0.0010	0.0011	0.0010	0.0013	0.0010	ND	0.0010	ND	0.0010	0.0019	0.0010	0.0013	0.0010	ND	0.0010	ND	0.0010	ND	0.0020	ND	0.0010	ND
Barium	2.0	0.0025	0.068	0.0025	0.062	0.013	0.050	0.0025	0.050	0.0025	0.043	0.0025	0.036	0.0025	0.041	0.0025	0.041	0.0050	0.037	0.0025	0.033	0.0025	0.034	0.0025	0.033	0.0025	0.037	0.0025	0.034	0.0025	0.030	0.0025	0.034	0.0025	0.037	0.0025	0.031	0.0025	0.031	0.0025	0.038	0.0025	0.039	0.0025	0.038	0.0025	0.034	0.0025	0.038	0.0025	0.044	0.0025	0.035	0.0025	0.043
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0020	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND^	0.0010	ND	0.0010	ND
Boron	2.0	0.25	3.7	0.25	3.3	0.050	3.6	0.050	4.3	0.050	3.0	0.25	4.0	0.50	5.3	0.25	6.2	0.10	5.2	0.50	4.5	0.50	3.8	0.50	5.1	0.10	5.6	0.50	4.6	0.50	4.2	0.25	4.8	0.50	4.5	1.0	3.9	0.25	4.0	0.50	5.4	0.50	5.0	0.050	4.9	0.050	4.3	0.25	4.8	0.50	6.1	0.50	5.0	0.50	5.0
Cadmium	0.005	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	10	120	10	190	10	120	10	170	10	150	10	150	10	140	10	170	10	170	10	150	10	110	10	120	10	89	10	110	10	85	2.0	67	10	82	10	120	10	110	10	97	2.0	46	10	84	2.0	73	2.0	54	2.0	72	2.0	57	2.0	46
Chromium	0.1	0.0050	ND	0.0050	ND	0.025	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.010	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	0.0011	0.0010	ND	0.0050	ND	0.0010	0.0012	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0020	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0014	0.0010	0.0012	0.0010	ND	0.0010	ND	0.0010	0.0013	0.0010	0.0011	0.0010	ND	0.0010	0.0011	0.0010	0.0013	0.0010	0.0012	0.0010	ND	0.0010	ND	0.0010	0.0011	0.0010	0.0010	0.0010	0.0014
Copper	0.65	0.0020	ND	0.0020	ND	0.010	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0040	ND	0.0020	ND	0.0020	0.0023	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	0.035	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.52	0.10	0.49	0.10	0.48	0.10	0.53	0.10	0.55	0.10	0.50	0.10	0.62	0.10	0.68	0.10	0.63 ^	0.10	0.56 ^	0.10	0.60	0.10	0.66	0.10	0.47	0.10	0.43	0.10	0.43	0.10	0.47	0.10	0.54	0.10	0.52	0.10	0.47	0.10	0.56	0.10	0.43	0.10	0.52	0.10	0.50	0.10	0.46	0.10	0.50	0.10	0.43	0.10	0.33
Iron	5.0	0.10	0.83	0.10	0.78	0.50	0.70	0.10	1.2	0.10	0.64	0.10	0.53	0.10	0.95	0.10	0.83	0.20	1.2	0.10	0.20	0.10	ND	0.10	0.66	0.10	0.92	0.10	0.64	0.10	0.26	0.10	0.27	0.10	0.28	0.10	ND	0.10	0.16	0.10	0.51	0.10	0.11	0.10	0.12	0.10	0.28	0.10	0.16	0.10	0.11	0.10	0.28
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.52	0.0025	0.58	0.013	0.70	0.0025	1.0	0.0025	0.62	0.0025	0.60	0.0025	0.70	0.0025	0.99	0.0050	0.62	0.0025	0.47	0.0025	0.44	0.0025	0.58	0.0025	0.65	0.0025	0.72	0.0025	0.49	0.0025	0.88	0.0025	0.64	0.0025	0.52	0.0025	0.45	0.0025	0.77	0.0025	0.62	0.0025	0.70	0.0025	0.45	0.0025	0.57 B	0.0025	0.64	0.0025	0.57	0.0025	0.70
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	0.00066	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	0.00025	0.00020	ND	0.00020	ND ^	0.00020	ND
Nickel	0.1	0.0020	0.0048	0.0020	0.0041	0.010	ND	0.0020	0.0051	0.0020	0.0047	0.0020	0.0048	0.0020	0.0047	0.0020	0.0046	0.0040	0.0050	0.0020	0.0047	0.0020	0.0044	0.0020	0.0043	0.0020	0.0053	0.0020	0.0045	0.0020	0.0058	0.0020	0.0065	0.0020	0.0043	0.0020	0.0057	0.0020	0.0053	0.0020	0.0070	0.0020	0.0079	0.0020	0.0047	0.0020	0.0057	0.0020	0.0058	0.0020	0.0046	0.0020	0.0047
Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	0.10	0.19	0.10	ND	0.10	0.37	0.10	0.45	0.10	ND	0.10	ND	0.10	ND	0.10	0.69	0.10	0.42	0.10	ND	0.10	ND	0.10	ND	0.10	0.39	0.10	ND	0.10	0.15	0.10	0.17	0.10	0.53	0.10	0.11	0.10	ND	0.10	0.34	0.10	0.25	0.10	ND	0.10	0.86	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	ND	0.10	0.19	0.10	ND	0.10	0.37	0.10	0.45	0.10	ND	0.10	ND^	0.10	ND	0.10	0.69	0.10	0.42	0.10	ND	0.10	ND	0.10	ND	0.10	0.39	0.10	ND	0.10	0.15	0.10	0.17	0.10	0.53	0.10	0.11	0.10	ND	0.10	0.34	0.10	0.25	0.10	ND	0.10	0.86	0.10	ND
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.02	ND	0.004	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	0.0025	ND	0.0025	0.0033	0.013	ND	0.0025	ND	0.0025	0.0086	0.0025	0.0067	0.0025	ND	0.0025	0.0026	0.0050	ND	0.0025	0.015	0.0025	0.0087	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0090	0.0025	0.0055	0.0025	0.010	0.0025	0.0087	0.0025	0.020	0.0025	0.0046	0.0025	0.0081	0.0025	0.0077	0.0025	0.012	0.0025	0.0042	0.0025	ND	0.0050	0.011	0.0025	0.0026
Silver	0.05	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND	0.00050	ND	0.00050	ND ^	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	250	1500	500	1500	250	1600	1000	4800	500	1600	500	2000	500	2800	500	3200	500	2200	500	2000	500	1500	500	2200	250	1300	250	1400	250	1100	250	1600	250	1200	250	1600	250	860	500	1600	250	870	500	1800	500	1300	250	880	500	1400	500	1200	500	1300
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	2500	10	2600	10	2800	25	6000	13	3100	13	3700	25	4300	17	4400	17	4000	17	3600	13	2900	25	3500	13	2400	13	2800	10	2500	10	2200	10	2600	10	2600	10	2300	17	3200	10	1900	13	3200	13	2700	10	2200	10	2800	10	2700	10	2800
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.01	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.10	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.040	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND ^	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.00050	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	7.37	NA	7.66	NA	7.23	NA	7.21	NA	6.58	NA	7.27	NA	7.10	NA	7.29	NA	7.34	NA	6.61	NA	7.07	NA	7.15	NA	6.74	NA	7.03	NA	6.96	NA	6.75	NA	5.87	NA	7.13	NA	7.15	NA	7.29	NA	6.65	NA	7.05	NA	6.85	NA	6.78	NA	7.01	NA	6.87	NA	7.67
Temperature	NA	NA	14.22	NA	10.18	NA	13.86	NA	16.26	NA	13.65	NA	11.77	NA	16.18	NA	17.98	NA	14.14	NA	9.60	NA	13.54	NA	17.54	NA	16.62	NA	10.22	NA	19.98	NA	18.18	NA	16.64	NA	8.13	NA	13.74	NA	20.17	NA	16.27	NA	10.03	NA	18.45	NA	21.76	NA	14.80	NA	8.85	NA	12.24
Conductivity	NA	NA	3.51	NA	3.39	NA	3.51	NA	5.26	NA	2.99	NA	3.22	NA	4.11	NA	4.73	NA	3.85	NA	3.28	NA	2.44	NA	3.58	NA	2.84	NA	1.42	NA	3.06	NA	2.41	NA	3.07	NA	2.21	NA	2.364	NA	3.852	NA	2.183	NA	2.46	NA	3.10	NA	2.74	NA	2.67	NA	2.29	NA	2.45
Dissolved Oxygen	NA	NA	NM	NA	0.73	NA	2.72	NA	0.03	NA	0.11	NA	0.16	NA	0.03	NA	0.03	NA	0.06	NA	1.88	NA	1.07	NA	0.34	NA	0.36	NA	0.81	NA	1.66	NA	0.43	NA	0.44	NA	2.01	NA	1.83	NA	0.90	NA	1.12	NA	0.95	NA	1.81	NA	1.68	NA	3.02	NA	2.13	NA	3.44
ORP	NA	NA	NM	NA	-235.2	NA	44.8	NA	-269	NA	-104	NA	-41	NA	-76	NA	-66	NA	-79	NA	87.2	NA	-3.9	NA	-38.2	NA	-127.7	NA	-1.6	NA	-0.8	NA	3.6	NA	3.1	NA	16.7	NA	9.3	NA	-73.4	NA	-33.0	NA	-18.7	NA	-10.3	NA	-116.2	NA	-6.4	NA	-27.0	NA	-7.8

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
^ - Denotes instrument related QC exceeds the control limits

Temperature °C degrees Celcius
Conductivity ms/cmf millisiemens/centimeter
Dissolved Oxygen mg/L milligrams/liter
Oxygen Reduction Potential (ORP) mV millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Will County Station, Romeoville, IL

Sample: MW-05	Date	12/13/2010		3/28/2011		6/15/2011		9/15/2011		12/8/2011		3/16/2012		6/20/2012		9/24/2012		12/18/2012		3/5/2013		6/5/2013		8/14/2013		10/28/2013		2/13/2014		5/21/2014		8/12/2014		10/20/2014		2/3/2015		5/1/2015		7/28/2015		11/11/2015		2/18/2016		5/26/2016		8/10/2016		10/26/2016		2/1/2017		5/11/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND^	0.0030	ND	0.015	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.0066	0.0010	0.0048	0.0050	ND	0.0010	0.0025	0.0010	0.0065	0.0010	0.0065	0.0010	0.0073	0.0010	0.0023	0.0010	0.0023	0.0010	0.0058	0.0010	0.0069	0.0010	0.0020	0.0010	0.0025	0.0010	0.0021	0.0010	0.0017	0.0010	0.0015	0.0010	0.0031	0.0010	0.0014	0.0010	0.0028	0.0010	0.0019	0.0010	0.0011	0.0010	0.0014	0.0010	0.0015	0.0010	0.0024	0.0010	0.0050	0.0010	0.0060	0.0020	ND	0.0010	0.0035
Barium	2.0	0.0025	0.051	0.0025	0.060	0.013	0.067	0.0025	0.070	0.0025	0.061	0.0025	0.053	0.0025	0.040	0.0025	0.073	0.0025	0.045	0.0025	0.050	0.0025	0.11	0.0025	0.042	0.0025	0.078	0.0025	0.056	0.0025	0.075	0.0025	0.066	0.0025	0.061	0.0025	0.048	0.0025	0.072	0.0025	0.063	0.0025	0.078	0.0025	0.054	0.0025	0.059	0.0025	0.071	0.0025	0.033	0.0025	0.050	0.0025	0.039
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	0.25	2.6	0.25	2.7	0.050	3.2	0.050	4.0	0.050	3.2	0.25	2.9	0.50	2.3	0.25	3.8	0.50	2.5	0.50	2.6	0.50	3.6	0.50	3.5	0.10	4.1	0.50	2.7	0.50	2.9	0.25	2.7	0.50	4.7	1.0	2.4	0.25	3.7	0.50	5.3	0.50	5.9	0.050	4.1	0.050	3.7	0.25	4.1	0.50	3.9	0.50	4.2	0.50	3.5
Cadmium	0.005	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	10	110	10	150	10	140	10	150	10	130	10	170	10	150	10	160	10	150	10	140	10	110	10	120	10	130	10	130	10	160	10	170	10	81	10	200	10	180	10	100	10	110	10	120	10	96	10	110	10	120	2.0	54	10	86
Chromium	0.1	0.0050	ND	0.0050	ND	0.025	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.010	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.41	0.10	0.40	0.10	0.46	0.10	0.49	0.10	0.38	0.10	0.42	0.10	0.59	0.10	0.44	0.10	0.47 ^	0.10	0.42 ^	0.10	0.30	0.10	0.50	0.10	0.36	0.10	0.43	0.10	0.28	0.10	0.52	0.10	0.35	0.10	0.50	0.10	0.31	0.10	0.38	0.10	0.31	0.10	0.31	0.10	0.32	0.10	0.46	0.10	0.72	0.10	0.36	0.10	0.40
Iron	5.0	0.10	ND	0.10	ND	0.50	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.0079	0.0025	0.0067	0.013	0.055	0.0025	0.13	0.0025	0.038	0.0025	0.032	0.0025	0.014	0.0025	0.073	0.0025	0.023	0.0025	0.036	0.0025	0.15	0.0025	0.060	0.0025	0.11	0.0025	0.053	0.0025	0.11	0.0025	0.062	0.0025	0.20	0.0025	0.046	0.0025	0.092	0.0025	0.13	0.0025	0.17	0.0025	0.11	0.0025	0.075	0.0025	0.14 B	0.0025	0.019	0.0025	0.072	0.0025	0.052
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.010	ND	0.0020	0.0021	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0025	0.0020	0.0020	0.0020	0.0022	0.0020	0.0025	0.0020	0.0039	0.0020	0.0028	0.0020	0.0024	0.0020	0.0020	0.0020	0.0031	0.0020	0.0049	0.0020	ND	0.0020	0.0023	0.0020	0.0034	0.0020	0.0026	0.0020	0.0053	0.0020	0.0030	0.0020	0.0030	0.0020	0.0021	0.0020	0.0030	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	0.27	0.10	1.6	0.10	1.1	0.10	0.11	0.10	1.0	0.10	0.11	0.10	0.24	0.10	0.11	0.10	ND	0.10	0.56	0.10	0.69	0.10	ND	0.10	0.27	0.10	0.24	0.10	0.72	0.10	ND	0.10	0.12	0.10	1.3	0.10	1.1	0.10	0.48	0.10	ND	0.10	0.61	0.10	0.51	0.10	ND	0.10	0.75	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0.10	0.27	0.10	1.9	0.10	0.97	0.10	0.11	0.10	1.2	0.10	0.25	0.10	0.27	0.10	0.11	0.10	1.2	0.10	1.3	0.10	0.75	0.10	ND	0.10	0.59	0.10	0.80	0.10	0.97	0.10	ND	0.10	0.12	0.10	1.6	0.10	1.2	0.10	0.48	0.10	ND	0.10	0.65	0.10	0.66	0.10	0.13	0.10	ND	0.10	0.75	0.10	ND
Nitrogen/Nitrite	NA	0.020	ND	0.10	0.31	0.020	0.13	0.020	ND	0.020	0.17	0.020	0.14	0.020	0.031	0.020	ND	0.20	1.2	0.10	0.74	0.020	0.059	0.020	ND	0.10	0.32	0.10	0.56	0.040	0.25	0.020	0.098	0.020	ND	0.040	0.34	0.020	0.099	0.020	ND	0.020	ND	0.020	0.040	0.020	0.15	0.020	0.048	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.004	ND	0.004	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	0.0025	0.017	0.0025	0.014	0.013	0.016	0.0025	0.0080	0.0025	0.010	0.0025	0.0059	0.0025	ND	0.0025	0.017	0.0025	0.0079	0.0025	0.010	0.0025	0.026	0.0025	ND	0.0025	0.17	0.0025	0.024	0.0025	0.013	0.0025	0.0051	0.0025	0.010	0.0025	0.0058	0.0025	0.020	0.0025	0.021	0.0025	0.035	0.0025	0.017	0.0025	0.027	0.0025	0.012	0.0025	ND	0.0050	0.027	0.0025	0.0034
Silver	0.05	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND ^	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	100	580	100	570	100	540	130	690	100	500	100	370	100	410	100	540	100	280	100	320	250	650	100	500	130	560	100	690	250	1700	250	610	250	840	100	430	100	480	250	770	250	780	250	730	250	600	130	530	100	360	100	500	100	470
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	1000	10	1300	10	1400	10	1500	10	1000	10	1000	10	750	10	1100	10	820	10	940	10	1600	10	1100	10	1300	10	1400	10	2100	10	1100	10	1600	10	2000	10	1900	10	1700	10	1500	10	1200	10	820	10	1600	10	1000
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0050	0.034	0.0050	0.025	0.0050	0.010	0.0050	0.0054	0.0050	0.013	0.0050	0.012	0.0050	0.018	0.0050	0.013	0.0050	0.010	0.0050	0.019	0.0050	0.012	0.0050	0.011	0.0050	0.016	0.0050	0.010	0.0050	0.013	0.0050	0.022	0.0050	0.030	0.0050	0.0083	0.0050	0.0099
Zinc	5.0	0.020	ND	0.020	ND	0.10	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0015	0.0025	ND	0.0025	0.00068	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	9.58	NA	9.51	NA	7.44	NA	7.38	NA	8.20	NA	9.30	NA	9.41	NA	7.54	NA	9.37	NA	7.43	NA	7.00	NA	7.88	NA	6.75	NA	8.45	NA	7.07	NA	7.36	NA	6.87	NA	9.70	NA	7.29	NA	7.13	NA	7.24	NA	6.99	NA	6.73	NA	8.62	NA	9.08	NA	6.81	NA	7.86
Temperature	NA	NA	12.79	NA	7.95	NA	14.62	NA	17.22	NA	13.19	NA	10.98	NA	16.59	NA	19.67	NA	13.41	NA	8.10	NA	14.77	NA	16.72	NA	17.04	NA	9.59	NA	16.68	NA	16.80	NA	18.46	NA	8.29	NA	12.11	NA	20.61	NA	15.77	NA	8.54	NA	15.42	NA	24.37	NA	13.90	NA	9.44	NA	13.04
Conductivity	NA	NA	1.66	NA	1.93	NA	1.97	NA	1.78	NA	1.10	NA	1.02	NA	1.01	NA	1.44	NA	1.05	NA	1.02	NA	1.66	NA	1.28	NA	1.55	NA	0.81	NA	1.92	NA	1.60	NA	2.59	NA	1.13	NA	1.691	NA	2.467	NA	2.016	NA	1.17	NA	1.69	NA	1.57	NA	1.09	NA	1.44	NA	1.24
Dissolved Oxygen	NA	NA	NM	NA	3.81	NA	3.22	NA	0.51	NA	0.39	NA	0.21	NA	0.22	NA	0.66	NA	0.19	NA	4.84	NA	0.56	NA	0.15	NA	0.92	NA	0.78	NA	0.46	NA	0.35	NA	0.81	NA	2.40	NA	1.53	NA	1.41	NA	1.17	NA	1.42	NA	2.12	NA	0.85	NA	2.24	NA	2.90	NA	1.62
ORP	NA	NA	NM	NA	-156.4	NA	173.2	NA	-196	NA	-46	NA	47	NA	-1	NA	66	NA	8	NA	205.5	NA	-11.3	NA	20.8	NA	-73.8	NA	89.4	NA	87.6	NA	-24.6	NA	58.1	NA	-53.5	NA	31.4	NA	-50.4	NA	46.1	NA	21.7	NA	91.9	NA	-207.6	NA	-76.7	NA	-10.3	NA	-34.8

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
^ - Denotes instrument related QC exceeds the control limits

Temperature	°C	degrees Celcius
Conductivity	ms/cmf	millisiemens/centimeter
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Will County Station, Romeoville, IL

Sample: MW-06	Date	12/13/2010		3/28/2011		6/15/2011		9/15/2011		12/8/2011		3/16/2012		6/20/2012		9/24/2012		12/18/2012		3/5/2013		5/22/2013		8/14/2013		10/28/2013		2/13/2014		5/20/2014		8/12/2014		10/20/2014		2/3/2015		4/30/2015		7/28/2015		11/10/2015		2/18/2016		5/26/2016		8/11/2016		10/26/2016		2/1/2017		5/11/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND^	0.0030	ND	0.015	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.0018	0.0010	0.0018	0.0050	ND	0.0010	0.0031	0.0010	0.0022	0.0010	0.0022	0.0010	0.0021	0.0010	0.0026	0.0010	0.0020	0.0010	0.0019	0.0010	0.0014	0.0010	0.0022	0.0010	0.0031	0.0010	ND	0.0010	0.0018	0.0010	0.0017	0.0010	0.0028	0.0010	0.0010	0.0010	ND	0.0010	0.0017	0.0010	ND	0.0010	0.0022	0.0010	0.0029	0.0010	0.0031	0.0020	ND	0.0010	0.0011
Barium	2.0	0.0025	0.050	0.0025	0.040	0.013	0.045	0.0025	0.041	0.0025	0.053	0.0025	0.044	0.0025	0.046	0.0025	0.054	0.0025	0.051	0.0025	0.044	0.0025	0.057	0.0025	0.053	0.0025	0.063	0.0025	0.052	0.0025	0.045	0.0025	0.039	0.0025	0.066	0.0025	0.071	0.0025	0.072	0.0025	0.061	0.0025	0.044	0.0025	0.062	0.0025	0.075	0.0025	0.087	0.0025	0.084	0.0025	0.056	0.0025	0.055
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND^	0.0010	ND	0.0010	ND
Boron	2.0	0.25	2.7	0.25	2.5	0.050	2.4	0.050	3.0	0.050	2.5	0.25	2.5	0.50	2.9	0.25	3.0	0.50	3.0	0.50	2.7	0.50	2.8	0.50	2.9	0.10	3.7	0.50	3.0	0.50	2.9	0.25	2.8	0.50	3.4	1.0	3.2	0.25	3.0	0.50	3.6	0.50	3.4	0.050	2.4	0.050	2.9	0.25	3.6	0.50	3.9	0.25	2.9	0.50	3.0 F1
Cadmium	0.005	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	10	120	10	210	10	150	10	120	10	120	10	110	10	92	10	110	10	110	10	130	10	110	10	91	10	76	2.0	55	10	120	10	120	10	81	2.0	49	10	160	10	120	10	110	10	150	10	83	2.0	61	2.0	73	10	90	10	89
Chromium	0.1	0.0050	ND	0.0050	ND	0.025	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.010	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.85	0.10	0.88	0.10	0.79	0.10	0.97	0.10	0.77	0.10	0.68	0.10	0.81	0.10	ND	0.10	0.71 ^	0.10	0.71 ^	0.10	0.65	0.10	0.57	0.10	0.57	0.10	0.45	0.10	0.42	0.10	0.96	0.10	0.56	0.10	0.37	0.10	0.38	0.10	0.45	0.10	0.63	0.10	0.45	0.10	0.38	0.10	0.34	0.10	0.39	0.10	0.41	0.10	0.30
Iron	5.0	0.10	ND	0.10	ND	0.50	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.11	0.10	ND	0.10	ND	0.10	ND	0.10	0.17	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.11	0.10	0.15	0.10	ND	0.10	ND
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.073	0.0025	0.051	0.013	0.047	0.0025	0.024	0.0025	0.038	0.0025	0.029	0.0025	0.033	0.0025	0.038	0.0025	0.034	0.0025	0.030	0.0025	0.082	0.0025	0.023	0.0025	0.083	0.0025	0.099	0.0025	0.056	0.0025	0.028	0.0025	0.11	0.0025	0.12	0.0025	0.068	0.0025	0.066	0.0025	0.037	0.0025	0.051	0.0025	0.089	0.0025	0.13 B	0.0025	0.13	0.0025	0.062	0.0025	0.049
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.010	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0022	0.0020	ND	0.0020	ND	0.0020	0.0020	0.0020	0.0020	0.0020	ND	0.0020	ND	0.0020	0.0020	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0022	0.0020	ND	0.0020	0.0024	0.0020	0.0039	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	0.10	0.26	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.63	0.10	0.10	0.10	ND	0.10	ND	0.10	ND	0.10	0.72	0.10	ND	0.10	ND	0.10	0.23	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.14	0.10	0.60
Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	ND	0.10	0.10	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND^	0.10	ND ^	0.10	0.82	0.10	0.20	0.10	ND	0.10	ND	0.10	ND	0.10	0.91	0.10	0.16	0.10	ND	0.10	ND	0.10	0.30	0.10	ND	0.10	ND	0.10	0.14	0.10	ND	0.10	ND	0.10	0.18	0.10	0.75
Nitrogen/Nitrite	NA	0.020	ND	0.020	0.048	0.020	0.16	0.020	ND	0.020	ND	0.020	ND	0.020	0.052	0.020	0.026	0.020	ND	0.040	0.19	0.020	0.099	0.020	ND	0.020	ND	0.020	ND	0.020	0.19	0.10	0.29	0.020	ND	0.020	ND	0.020	0.067	0.020	0.077	0.020	0.032	0.020	0.047	0.020	ND	0.020	ND	0.020	0.039	0.040	0.15
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.004	ND	0.004	ND ^	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	0.0025	0.0062	0.0025	0.0028	0.013	ND	0.0025	0.011	0.0025	ND	0.0025	ND	0.0025	0.0034	0.0025	0.014	0.0025	0.0057	0.0025	0.0075	0.0025	0.0071	0.0025	0.0040	0.0025	ND	0.0025	0.0041	0.0025	0.0057	0.0025	0.0036	0.0025	0.0036	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0048	0.0025	ND	0.0025	ND	0.0025	0.0028	0.0050	ND	0.0025	0.0047
Silver	0.05	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND ^	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	100	500	100	540	100	570	100	420	100	440	100	380	100	450	100	550	100	360	100	370	100	360	100	400	100	310	100	270	100	320	100	200	100	420	50	310	50	350	100	330	50	360	50	290	100	350	100	360	50	320	50	260	50	280
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	990	10	1100	10	1200	10	870	10	880	10	900	10	770	10	890	10	820	10	840	10	880	10	860	10	790	10	780	10	840	10	660	10	800	10	770	10	780	10	800	10	660	10	720	10	780	10	810	10	750	10	750	10	650
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0050	ND	0.0050	0.011	0.0050	ND	0.0050	0.0087	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.014	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0058	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.10	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	0.0005	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	8.89	NA	9.65	NA	9.27	NA	9.44	NA	8.82	NA	9.39	NA	9.07	NA	9.17	NA	9.18	NA	8.22	NA	8.41	NA	9.13	NA	8.50	NA	8.27	NA	8.52	NA	8.16	NA	7.26	NA	8.38	NA	8.08	NA	8.60	NA	8.63	NA	8.58	NA	7.79	NA	7.74	NA	8.16	NA	7.88	NA	8.68
Temperature	NA	NA	14.59	NA	10.01	NA	13.63	NA	16.28	NA	14.24	NA	10.74	NA	18.03	NA	18.96	NA	14.00	NA	10.00	NA	15.89	NA	18.56	NA	15.76	NA	9.46	NA	16.13	NA	16.21	NA	18.31	NA	8.28	NA	10.95	NA	25.89	NA	17.67	NA	7.76	NA	16.74	NA	20.61	NA	13.77	NA	10.00	NA	14.88
Conductivity	NA	NA	1.64	NA	1.63	NA	1.69	NA	1.11	NA	1.05	NA	0.92	NA	1.04	NA	1.21	NA	0.99	NA	0.97	NA	1.19	NA	1.04	NA	0.96	NA	0.57	NA	1.08	NA	1.00	NA	1.20	NA	0.77	NA	0.935	NA	1.289	NA	0.978	NA	0.63	NA	0.99	NA	1.10	NA	0.94	NA	0.80	NA	0.83
Dissolved Oxygen	NA	NA	NM	NA	0.54	NA	0.12	NA	0.06	NA	0.13	NA	3.47	NA	3.06	NA	0.01	NA	0.36	NA	3.48	NA	0.37	NA	0.37	NA	0.23	NA	1.19	NA	0.32	NA	0.62	NA	0.66	NA	1.69	NA	1.90	NA	0.88	NA	1.67	NA	1.57	NA	4.37	NA	2.23	NA	1.84	NA	3.40	NA	2.82
ORP	NA	NA	NM	NA	-239.1	NA	54.4	NA	-305	NA	-241	NA	-50	NA	-106	NA	-134	NA	-174	NA	175.2	NA	-14.3	NA	-16.6	NA	-173.8	NA	35.4	NA	-94.2	NA	-3.7	NA	-94.0	NA	-142.5	NA	-61.3	NA	-132.5	NA	-101.6	NA	-33.1	NA	-67.5	NA	-125.1	NA	-78.4	NA	-78.4	NA	-81.3

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
^ - Denotes instrument related QC exceeds the control limits

Temperature	°C	degrees Celcius
Conductivity	ms/cmf	millisiemens/centimeter
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Will County Station, Romeoville, IL

Sample: MW-07	Date	12/13/2010		3/28/2011		6/15/2011		9/15/2011		12/8/2011		3/16/2012		6/20/2012		9/24/2012		12/18/2012		3/5/2013		5/22/2013		8/15/2013		10/29/2013		2/20/2014		5/20/2014		8/12/2014		10/21/2014		2/3/2015		4/30/2015		7/27/2015		11/9/2015		2/17/2016		5/24/2016		8/9/2016		10/25/2016		1/31/2017		5/9/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND^	0.0030	ND	0.015	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.0040	0.0010	0.0037	0.0050	ND	0.0010	0.0042	0.0010	0.0042	0.0010	0.0041	0.0010	0.0039	0.0010	0.0049	0.0010	0.0034	0.0010	0.0033	0.0010	0.0031	0.0010	0.0032	0.0010	0.0035	0.0010	0.0030	0.0010	0.0022	0.0010	0.0035	0.0010	0.0031	0.0010	0.0027	0.0010	0.0029	0.0010	0.0020	0.0010	0.0027	0.0010	0.0023	0.0010	0.0024	0.0010	0.0028	0.0010	0.0025	0.0020	0.0033	0.0010	0.0024
Barium	2.0	0.0025	0.045	0.0025	0.067	0.013	0.076	0.0025	0.082	0.0025	0.082	0.0025	0.069	0.0025	0.057	0.0025	0.086	0.0025	0.044	0.0025	0.041	0.0025	0.048	0.0025	0.067	0.0025	0.040	0.0025	0.064	0.0025	0.074	0.0025	0.062	0.0025	0.072	0.0025	0.042	0.0025	0.048	0.0025	0.037	0.0025	0.035	0.0025	0.046	0.0025	0.046	0.0025	0.048	0.0025	0.046	0.0025	0.045	0.0025	0.061
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND^	0.0010	ND	0.0010	ND
Boron	2.0	0.25	4.7	1.0	5.0	1.0	5.7	0.25	3.4	0.050	5.0	0.25	5.1	0.50	5.6	0.25	5.5	0.50	5.1	0.50	4.3	0.50	2.6	0.50	3.5	0.10	3.0	0.50	4.0	0.50	4.8	0.50	3.9	0.50	5.1	1.0	3.0	0.25	3.3	0.25	3.1	0.50	2.9	0.050	3.8	0.050	2.9	0.25	2.8	0.50	3.2	0.50	3.7	0.50	4.3
Cadmium	0.005	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	10	160	10	140	10	140	10	160	10	150	10	130	10	120	10	150	10	140	10	140	10	190	10	180	10	180	10	210	10	190	10	200	10	190	10	170	10	160	10	170	10	160	10	150	10	140	10	150	10	130	10	130	10	150
Chromium	0.1	0.0050	ND	0.0050	ND	0.025	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.010	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	0.010	ND	0.010	ND	0.010	0.016	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	0.017	0.010	ND	0.010	0.014	0.010	0.013	0.010	0.012	0.010	0.019	0.010	0.029	0.010	0.021	0.010	ND	0.010	0.016	0.010	ND	0.010	ND	0.010	0.034	0.010	ND	0.010	0.037	0.010	0.017 F1,2	0.010	0.021	0.010	0.011	0.010	0.025
Fluoride	4.0	0.10	0.96	0.10	0.77	0.10	0.71	0.10	0.82	0.10	0.86	0.10	0.76	0.10	0.83	0.10	ND	0.10	0.89 ^	0.10	0.92 ^	0.10	0.97	0.10	0.96	0.10	0.96	0.10	0.81	0.10	0.73	0.10	0.97	0.10	0.84	0.10	0.91	0.10	0.85	0.10	0.90	0.10	0.96	0.10	0.79	0.10	0.75	0.10	0.86	0.10	0.87	0.10	0.72	0.10	0.39
Iron	5.0	0.10	0.23	0.10	0.18	0.50	ND	0.10	0.37	0.10	0.50	0.10	0.57	0.10	0.60	0.10	0.51	0.10	0.62	0.10	0.47	0.10	0.21	0.10	0.36	0.10	0.21	0.10	0.36	0.10	0.53	0.10	0.44	0.10	0.55	0.10	0.16	0.10	0.22	0.10	0.19	0.10	0.19	0.10	0.17	0.10	0.21	0.10	0.28	0.10	0.31	0.10	0.28	0.10	0.39
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.12	0.0025	0.11	0.013	0.15	0.0025	0.18	0.0025	0.20	0.0025	0.20	0.0025	0.19	0.0025	0.19	0.0025	0.19	0.0025	0.15	0.0025	0.043	0.0025	0.064	0.0025	0.049	0.0025	0.16	0.0025	0.12	0.0025	0.10	0.0025	0.12	0.0025	0.031	0.0025	0.044	0.0025	0.024	0.0025	0.025	0.0025	0.040	0.0025	0.035	0.0025	0.044 B	0.0025	0.061	0.0025	0.081	0.0025	0.10
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	0.0029	0.0020	0.0023	0.010	ND	0.0020	0.0024	0.0020	0.0021	0.0020	ND	0.0020	0.0020	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0036	0.0020	0.0038	0.0020	0.0042	0.0020	0.0032	0.0020	0.0027	0.0020	0.0037	0.0020	0.0034	0.0020	0.0036	0.0020	0.0033	0.0020	0.0034	0.0020	0.0035	0.0020	0.0040	0.0020	0.0034	0.0020	0.0035	0.0020	0.0035	0.0020	0.0030	0.0020	0.0023
Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND^	0.10	ND ^	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrite	NA	0.020	ND	0.020	0.077	0.020	0.035	0.020	0.050	0.020	0.043	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.004	ND	0.004	ND ^	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	0.0025	ND	0.0025	ND	0.013	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0068	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0066	0.0025	ND	0.0025	ND	0.0025	0.0046	0.0025	ND	0.0025	0.0039	0.0025	0.0028	0.0025	0.0027	0.0025	0.0061	0.0050	ND	0.0025	0.0029
Silver	0.05	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND ^	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	100	610	250	650	200	1000	100	710	130	710	100	770	100	670	100	600	100	480	100	400	100	390	100	460	100	530	130	380	100	540	100	570	130	680	100	400	100	440	100	420	100	420	200	700	100	530	100	350	100	510	100	500	250	540
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	1300	10	1500	10	1600	10	1400	10	1300	10	1400	10	1300	10	1200	10	1200	10	1000	10	1100	10	1100	10	1200	10	1300	10	1300	10	1500	10	1100	10	1200	10	950	10	960	10	1300	10	1100	10	940	10	1200	10	1500	10	1500
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0050	ND	0.0050	0.0055	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.10	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0018	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	8.61	NA	8.79	NA	8.13	NA	7.91	NA	7.69	NA	8.16	NA	7.92	NA	8.02	NA	7.75	NA	8.08	NA	8.14	NA	8.43	NA	8.07	NA	8.18	NA	8.22	NA	8.26	NA	7.88	NA	8.68	NA	8.53	NA	8.75	NA	7.11	NA	8.36	NA	7.89	NA	7.60	NA	8.20	NA	7.73	NA	7.51
Temperature	NA	NA	14.84	NA	11.80	NA	14.23	NA	15.96	NA	15.17	NA	14.21	NA	15.67	NA	17.28	NA	14.37	NA	12.00	NA	14.25	NA	15.62	NA	13.06	NA	11.16	NA	16.71	NA	14.78	NA	14.85	NA	8.76	NA	12.23	NA	20.84	NA	14.48	NA	10.48	NA	15.41	NA	17.85	NA	13.94	NA	9.87	NA	11.32
Conductivity	NA	NA	1.96	NA	2.12	NA	2.08	NA	1.61	NA	1.55	NA	1.43	NA	1.44	NA	1.46	NA	1.33	NA	1.20	NA	1.13	NA	1.21	NA	1.20	NA	1.20	NA	1.50	NA	1.24	NA	1.60	NA	1.10	NA	1.32	NA	1.49	NA	1.21	NA	1.00	NA	1.37	NA	1.30	NA	1.27	NA	1.27	NA	1.19
Dissolved Oxygen	NA	NA	NM	NA	0.43	NA	0.08	NA	0.05	NA	2.54	NA	0.02	NA	0.41	NA	0.20	NA	0.15	NA	0.17	NA	0.36	NA	0.10	NA	0.41	NA	0.94	NA	0.57	NA	0.28	NA	0.39	NA	1.50	NA	2.30	NA	2.23	NA	2.36	NA	0.91	NA	1.53	NA	1.20	NA	1.16	NA	2.37	NA	5.98
ORP	NA	NA	NM	NA	-277.2	NA	-135.2	NA	-301	NA	-210	NA	-189	NA	-161	NA	-171	NA	-150	NA	-219.9	NA	-155.1	NA	-204.2	NA	-168.1	NA	-118.7	NA	-76.6	NA	-126.7	NA	-151.3	NA	-154.5	NA	-134.3	NA	-163.1	NA	-69.7	NA	-123.3	NA	-126.9	NA	-108.9	NA	-86.1	NA	-70.7	NA	-73.9

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
^ - Denotes instrument related QC exceeds the control limits

Temperature	°C	degrees Celcius
Conductivity	ms/cmf	millisiemens/centimeter
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Will County Station, Romeoville, IL

Sample: MW-08	Date	12/13/2010		3/28/2011		6/15/2011		9/15/2011		12/8/2011		3/16/2012		6/20/2012		9/24/2012		12/18/2012		3/5/2013		5/23/2013		8/15/2013		10/28/2013		2/20/2014		5/20/2014		8/12/2014		10/21/2014		2/3/2015		4/30/2015		7/27/2015		11/9/2015		2/16/2016		5/24/2016		8/9/2016		10/25/2016		1/31/2017		5/9/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND^	0.0030	ND	0.015	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.0067	0.0010	0.0059	0.0050	0.0082	0.0010	0.014	0.0010	0.012	0.0010	0.0066	0.0010	0.013	0.0010	0.018	0.0010	0.0088	0.0010	0.0088	0.0010	0.0072	0.0010	0.016	0.0010	0.0069	0.0010	0.0077	0.0010	0.0036	0.0010	0.014	0.0010	0.0082	0.0010	0.0036	0.0010	0.0047	0.0010	0.0064	0.0010	0.0040	0.0010	0.0024	0.0010	0.0049	0.0010	0.0095	0.0010	0.0064	0.0020	ND	0.0010	ND
Barium	2.0	0.0025	0.069	0.0025	0.089	0.013	0.085	0.0025	0.099	0.0025	0.078	0.0025	0.066	0.0025	0.074	0.0025	0.090	0.0025	0.079	0.0025	0.069	0.0025	0.079	0.0025	0.084	0.0025	0.14	0.0025	0.086	0.0025	0.076	0.0025	0.078	0.0025	0.087	0.0025	0.081	0.0025	0.083	0.0025	0.066	0.0025	0.086	0.0025	0.060	0.0025	0.064	0.0025	0.062	0.0025	0.063	0.0025	0.052	0.0025	0.059
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND^	0.0010	ND	0.0010	ND
Boron	2.0	0.25	1.7	0.25	1.3	0.050	1.7	0.050	2.3	0.050	1.9	0.25	1.5	0.50	2.0	0.25	2.6	0.50	2.1	0.50	1.8	0.50	1.9	0.50	2.4	0.10	3.2	0.25	2.0	0.50	2.5	0.25	2.4	0.50	2.8	1.0	2.3	0.25	2.3	0.25	2.8	0.50	4.0	0.050	2.8	0.050	2.3	0.25	2.6	0.50	4.1	0.50	2.5	0.25	1.7
Cadmium	0.005	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	10	93	10	270	10	200	10	160	10	130	10	160	10	160	10	150	10	150	10	150	10	190	10	170	10	150	10	180	10	160	10	170	10	180	10	170	10	150	10	170	10	170	10	140	10	140	10	150	10	130	10	110	10	100
Chromium	0.1	0.0050	ND	0.0050	ND	0.025	ND	0.0050	ND	0.0050	ND	0.010	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0050	ND	0.0010	ND	0.0010	ND	0.0020	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0012	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.010	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0021	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.61	0.10	0.55	0.10	0.57	0.10	0.64	0.10	0.61	0.10	0.52	0.10	0.60	0.10	0.65	0.10	0.58 ^	0.10	0.55 ^	0.10	0.55	0.10	0.64	0.10	0.45	0.10	0.46	0.10	0.43	0.10	0.74	0.10	0.56	0.10	0.51	0.10	0.54	0.10	0.68	0.10	0.52	0.10	0.52	0.10	0.52	0.10	0.70	0.10	0.54	0.10	0.46	0.10	0.34
Iron	5.0	0.10	0.48	0.10	0.38	0.50	0.76	0.10	0.46	0.10	0.68	0.20	ND	0.10	0.58	0.10	0.66	0.10	0.50	0.10	0.43	0.10	0.68	0.10	1.3	0.10	ND	0.10	0.72	0.10	0.43	0.10	1.0	0.10	1.0	0.10	0.19	0.10	0.22	0.10	0.46	0.10	0.11	0.10	0.12	0.10	0.38	0.10	0.54	0.10	1.1	0.10	ND	0.10	0.20
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.33	0.0025	0.44	0.013	0.47	0.0025	0.45	0.0025	0.40	0.0050	ND	0.0025	0.36	0.0025	0.41	0.0025	0.43	0.0025	0.33	0.0025	0.47	0.0025	0.31	0.0025	0.42	0.0025	0.39	0.0025	0.35	0.0025	0.30	0.0025	0.44	0.0025	0.31	0.0025	0.28	0.0025	0.31	0.0025	0.25	0.0025	0.24	0.0025	0.36	0.0025	0.27 B	0.0025	0.62	0.0025	0.096	0.0025	0.24
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.010	ND	0.0020	0.0034	0.0020	0.0020	0.0040	ND	0.0020	0.0022	0.0020	0.0035	0.0020	0.0033	0.0020	0.0031	0.0020	ND	0.0020	0.0032	0.0020	0.0043	0.0020	0.0037	0.0020	0.0030	0.0020	0.0040	0.0020	0.0048	0.0020	0.0036	0.0020	0.0037	0.0020	0.0041	0.0020	0.0052	0.0020	0.0065	0.0020	0.0035	0.0020	0.0045	0.0020	0.010	0.0020	0.0035	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	ND	0.10	0.22	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.23	0.10	ND	0.10	ND	0.10	ND	0.10	0.17	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	0.22	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND^	0.10	0.23	0.10	ND	0.10	ND	0.10	ND	0.10	0.17	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.004	ND	0.004	ND ^	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	0.0025	ND	0.0025	ND	0.013	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.015	0.0025	0.0034	0.0025	0.0032	0.0025	ND	0.0025	0.0032	0.0025	0.0083	0.0025	0.010	0.0025	ND	0.0025	0.0065	0.0025	0.0049	0.0025	ND	0.0025	ND	0.0025	ND	0.0050	0.012	0.0025	0.0069
Silver	0.05	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND ^	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	100	440	100	440	100	420	100	600	100	330	50	330	100	370	100	630	100	380	100	360	100	270	100	440	130	650	130	330	100	450	100	430	200	730	100	530	100	520	100	650	200	800	250	750	100	580	130	520	250	680	100	450	50	210
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	930	10	1200	10	1100	10	1300	10	980	10	910	10	1000	10	1200	10	1200	10	1000	10	1100	10	1100	10	1600	10	1300	10	1400	10	1200	10	1500	10	1400	10	1400	10	1200	10	1600	10	1600	10	1400	10	1300	10	1700	10	1500	10	920
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.10	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0019	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	7.65	NA	8.17	NA	7.47	NA	7.30	NA	6.99	NA	7.61	NA	7.36	NA	7.31	NA	7.43	NA	7.87	NA	7.19	NA	7.46	NA	6.87	NA	8.18	NA	7.04	NA	7.09	NA	7.03	NA	7.24	NA	7.23	NA	7.36	NA	6.88	NA	7.10	NA	6.85	NA	7.13	NA	7.06	NA	7.02	NA	7.15
Temperature	NA	NA	12.82	NA	9.51	NA	13.28	NA	16.18	NA	14.05	NA	12.16	NA	15.28	NA	17.41	NA	13.82	NA	9.50	NA	13.12	NA	18.25	NA	15.59	NA	9.15	NA	17.97	NA	16.04	NA	14.76	NA	9.43	NA	12.42	NA	17.57	NA	16.00	NA	7.88	NA	16.06	NA	21.11	NA	15.60	NA	8.97	NA	11.75
Conductivity	NA	NA	1.43	NA	1.96	NA	1.76	NA	1.50	NA	1.13	NA	1.02	NA	1.23	NA	1.49	NA	1.27	NA	1.11	NA	1.09	NA	1.35	NA	1.73	NA	1.26	NA	1.70	NA	1.49	NA	2.00	NA	1.46	NA	1.587	NA	1.657	NA	1.958	NA	1.23	NA	1.61	NA	1.63	NA	1.95	NA	1.37	NA	1.08
Dissolved Oxygen	NA	NA	NM	NA	0.51	NA	0.50	NA	0.76	NA	0.32	NA	1.15	NA	0.66	NA	0.94	NA	0.29	NA	1.35	NA	0.20	NA	0.30	NA	0.64	NA	1.20	NA	0.44	NA	0.69	NA	0.68	NA	2.26	NA	5.61	NA	1.23	NA	1.81	NA	1.63	NA	1.61	NA	1.25	NA	0.79	NA	2.71	NA	3.97
ORP	NA	NA	NM	NA	-254.6	NA	-62.2	NA	-207	NA	-139	NA	-54	NA	-105	NA	-60	NA	-80	NA	-94.1	NA	-111.3	NA	-114.8	NA	-145.3	NA	-86.8	NA	87.7	NA	-53.3	NA	-52.9	NA	10.7	NA	14.8	NA	-124.4	NA	19.0	NA	19.4	NA	-43.1	NA	-114.0	NA	-63.0	NA	-25.9	NA	-43.2

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
^ - Denotes instrument related QC exceeds the control limits

Temperature	°C	degrees Celcius
Conductivity	ms/cm	millisiemens/centimeter
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Will County Station, Romeoville, IL

Sample: MW-09	Date	12/13/2010		3/28/2011		6/15/2011		9/15/2011		12/8/2011		3/16/2012		6/20/2012		9/24/2012		12/18/2012		3/5/2013		5/23/2013		8/15/2013		10/29/2013		2/13/2014		5/20/2014		8/12/2014		10/21/2014		2/3/2015		4/30/2015		7/27/2015		11/11/2015		2/16/2016		5/24/2016		8/9/2016		10/25/2016		1/31/2017		5/9/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND^	0.0030	ND	0.015	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.0059	0.0010	0.0049	0.0050	0.0052	0.0010	0.0065	0.0010	0.0078	0.0010	0.0053	0.0010	0.0056	0.0010	0.0068	0.0010	0.0060	0.0010	0.0051	0.0010	0.0047	0.0010	0.0050	0.0010	0.0066	0.0010	0.0029	0.0010	0.0029	0.0010	0.0043	0.0010	0.0046	0.0010	0.0038	0.0010	0.0044	0.0010	0.0032	0.0010	0.0057	0.0010	0.0041	0.0010	0.0039	0.0010	0.0049	0.0010	0.0078	0.0020	0.0050	0.0010	0.0038
Barium	2.0	0.0025	0.025	0.0025	0.031	0.013	0.025	0.0025	0.023	0.0025	0.017	0.0025	0.023	0.0025	0.022	0.0025	0.026	0.0025	0.020	0.0025	0.016	0.0025	0.025	0.0025	0.026	0.0025	0.023	0.0025	0.022	0.0025	0.028	0.0025	0.027	0.0025	0.026	0.0025	0.033	0.0025	0.032	0.0025	0.026	0.0025	0.030	0.0025	0.019	0.0025	0.024	0.0025	0.030	0.0025	0.023	0.0025	0.025	0.0025	0.038
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND^	0.0010	ND	0.0010	ND
Boron	2.0	0.25	2.2	0.25	1.4	0.050	1.7	0.050	2.0	0.050	1.9	0.25	1.4	1.0	1.8	0.25	2.0	0.50	1.7	0.50	1.5	0.50	1.7	0.50	1.8	0.10	2.2	0.50	1.4	0.50	1.5	0.25	1.7	0.50	1.9	1.0	1.4	0.25	1.5	0.25	2.0	0.50	2.1	0.050	1.9	0.050	1.4	0.25	1.8	0.50	2.6	0.25	1.7	0.25	1.6
Cadmium	0.005	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	10	100	10	280	10	230	10	190	10	140	10	200	10	160	10	160	10	130	10	140	10	160	10	170	10	110	10	270	10	250	10	210	10	200	10	200	10	310	10	230	10	190	10	160	10	170	10	150	10	130	10	250	10	360
Chromium	0.1	0.0050	ND	0.0050	ND	0.025	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.010	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	0.018	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.33	0.10	0.36	0.10	0.28	0.10	0.28	0.10	0.38	0.10	0.39	0.10	0.32	0.10	0.41	0.10	0.42 ^	0.10	0.43 ^	0.10	0.32	0.10	0.47	0.10	0.48	0.10	0.44	0.10	0.41	0.10	0.61	0.10	0.55	0.10	0.44	0.10	0.47	0.10	0.51	0.10	0.57	0.10	0.53	0.10	0.45	0.10	0.51	0.10	0.79	0.10	0.56	0.10	0.43
Iron	5.0	0.10	ND	0.10	ND	0.50	ND	0.10	ND	0.10	ND^	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	ND	0.0025	ND	0.013	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0036	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0043	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0025	0.0025	0.0026	0.0025	ND	0.0025	0.0044	0.0025	0.0032	0.0025	0.0025	0.0025	0.0044	0.0025	0.0050	0.0025	0.0035	0.0025	0.0032	0.0025	0.0050
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.010	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0022	0.0020	0.0022	0.0020	0.0023	0.0020	0.0022	0.0020	0.0022	0.0020	ND	0.0020	0.0024	0.0020	ND	0.0020	ND	0.0020	0.0025	0.0020	0.0024	0.0020	0.0028	0.0020	0.0020	0.0020	0.0023	0.0020	0.0024	0.0020	ND	0.0020	0.0028	0.0020	0.0023	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	ND	0.20	2.4	0.10	1.1	0.10	ND	0.10	1.9	0.10	3.2	0.10	ND	0.10	ND	0.10	4.1	0.10	6.2	0.10	0.40	0.10	ND	0.10	1.6	0.10	2.3	0.10	1.0	0.10	ND	0.10	0.20	0.10	ND	0.20	2.4	0.10	2.2	0.10	2.7	0.10	0.32	0.10	ND	0.10	0.37	0.10	0.55	0.10	ND	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	3.6	0.10	0.94	0.10	0.18	0.10	2.0	0.50	3.3	0.10	ND	0.10	ND^	0.10	4.6	1.0	6.8	0.10	1.4	0.10	0.44	0.50	2.2	0.50	2.9	0.10	1.5	0.10	0.20	0.10	ND	0.20	2.4	0.20	2.9	0.10	0.43	0.10	ND	0.10	0.39	0.10	0.59	0.10	ND	0.10	0.70	0.10	0.11	0.10	ND
Nitrogen/Nitrite	NA	0.10	0.44	0.20	1.2	0.020	0.16	0.040	0.22	0.020	0.15	0.020	0.12	0.020	0.027	0.020	0.023	0.020	0.10	0.55	0.10	0.65	0.20	1.0	0.10	0.49	0.10	0.65	0.10	0.59	0.10	0.48	0.10	0.43	0.020	0.078	0.040	0.21	0.040	0.25	0.020	0.11	0.020	ND	0.020	0.022	0.020	0.040	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.004	ND	0.004	ND ^	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	0.0025	0.0036	0.0025	0.0042	0.013	ND	0.0025	0.0045	0.0025	0.0031	0.0025	ND	0.0025	0.0026	0.0025	0.0031	0.0025	0.0039	0.0025	0.0029	0.0025	0.0027	0.0025	0.0034	0.0025	0.0053	0.0025	0.0032	0.0025	0.0026	0.0025	0.0031	0.0025	0.0035	0.0025	ND	0.0025	0.0025	0.0025	ND	0.0025	ND	0.0025	0.0026	0.0025	ND	0.0025	ND	0.0050	ND	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND ^	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	100	410	100	320	100	410	50	400	50	270	50	340	100	340	100	380	50	310	50	250	50	320	50	310	50	310	50	220	100	380	100	310	100	430	50	300	50	270	50	290	100	400	50	240	50	240	50	260	50	240	50	170	50	200
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	800	10	1000	10	940	10	850	10	660	10	820	10	880	10	800	10	780	10	600	10	690	10	700	10	680	10	780	10	880	10	870	10	820	10	810	10	930	10	760	10	760	10	660	10	670	10	750	10	640	10	800	10	960
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0050	0.031	0.0050	0.024	0.0050	0.029	0.0050	0.023	0.0050	0.034	0.0050	0.017	0.0050	0.017	0.0050	0.015	0.0050	0.015	0.0050	0.011	0.0050	0.010	0.0050	0.0063	0.0050	0.0080	0.0050	0.011	0.0050	0.0069	0.0050	0.0091	0.0050	0.028	0.0050	0.014	0.0050	0.0094
Zinc	5.0	0.020	ND	0.020	ND	0.10	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	0.00057	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.00287	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	10.88	NA	10.87	NA	10.44	NA	10.27	NA	9.55	NA	10.56	NA	10.31	NA	10.23	NA	10.42	NA	10.39	NA	9.93	NA	9.86	NA	10.01	NA	9.69	NA	9.71	NA	9.26	NA	8.73	NA	9.48	NA	9.49	NA	9.50	NA	9.12	NA	9.10	NA	8.79	NA	8.35	NA	9.16	NA	8.59	NA	8.58
Temperature	NA	NA	15.09	NA	11.33	NA	14.55	NA	16.79	NA	15.70	NA	13.35	NA	15.35	NA	18.14	NA	14.68	NA	11.10	NA	13.62	NA	16.90	NA	16.28	NA	11.58	NA	16.41	NA	16.36	NA	15.98	NA	5.11	NA	13.72	NA	20.11	NA	13.45	NA	9.62	NA	16.98	NA	21.67	NA	15.36	NA	9.23	NA	13.61
Conductivity	NA	NA	1.33	NA	1.75	NA	1.52	NA	1.12	NA	0.90	NA	1.00	NA	1.06	NA	1.09	NA	0.90	NA	0.76	NA	0.83	NA	0.93	NA	0.85	NA	0.85	NA	1.25	NA	1.12	NA	1.19	NA	0.83	NA	1.224	NA	1.197	NA	0.996	NA	0.65	NA	0.97	NA	1.14	NA	0.88	NA	1.10
Dissolved Oxygen	NA	NA	NM	NA	0.27	NA	0.07	NA	0.03	NA	0.05	NA	0.30	NA	0.03	NA	0.06	NA	0.11	NA	0.52	NA	0.25	NA	0.48	NA	0.56	NA	0.94	NA	0.43	NA	0.52	NA	0.48	NA	4.87	NA	1.93	NA	0.62	NA	0.76	NA	1.99	NA	2.42	NA	1.45	NA	1.74	NA	1.74	NA	3.23
ORP	NA	NA	NM	NA	-289.3	NA	79.8	NA	-341	NA	-118	NA	-12	NA	-70	NA	-112	NA	-200	NA	-36	NA	-107.1	NA	-91.6	NA	-182.7	NA	195.4	NA	-22.8	NA	27.4	NA	-10.8	NA	-42.0	NA	-53.3	NA	-153.7	NA	39.7	NA	-66.2	NA	-83.9	NA	-151.8	NA	-89.2	NA	-90.1	NA	-72.5

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
^ - Denotes instrument related QC exceeds the control limits

Temperature	°C	degrees Celcius
Conductivity	ms/cmf	millisiemens/centimeter
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Will County Station, Romeoville, IL

Sample: MW-10	Date	12/13/2010		3/28/2011		6/15/2011		9/15/2011		12/8/2011		3/16/2012		6/20/2012		9/24/2012		12/18/2012		3/5/2013		5/22/2013		8/15/2013		10/28/2013		2/20/2014		5/20/2014		8/13/2014		10/20/2014		2/3/2015		4/30/2015		7/27/2015		11/10/2015		2/16/2016		5/25/2016		8/10/2016		10/26/2016		2/2/2017		5/10/2017	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND^	0.0030	ND	0.015	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.0041	0.0010	0.0046	0.0050	ND	0.0010	0.0088	0.0010	0.0083	0.0010	0.0056	0.0010	0.0058	0.0010	0.0098	0.0010	0.0085	0.0010	0.0072	0.0010	0.0077	0.0010	0.0040	0.0010	0.012	0.0010	0.0027	0.0010	0.0012	0.0010	0.0033	0.0010	0.0090	0.0010	0.012	0.0010	0.014	0.0010	0.0065	0.0010	0.017	0.0010	0.0075	0.0010	0.0099	0.0010	0.011	0.0010	0.025	0.0020	0.013	0.0010	0.0081
Barium	2.0	0.0025	0.098	0.0025	0.091	0.013	0.091	0.0025	0.11	0.0025	0.11	0.0025	0.10	0.0025	0.10	0.0025	0.097	0.0025	0.11	0.0025	0.098	0.0025	0.10	0.0025	0.082	0.0025	0.10	0.0025	0.094	0.0025	0.071	0.0025	0.071	0.0025	0.10	0.0025	0.12	0.0025	0.10	0.0025	0.084	0.0025	0.11	0.0025	0.092	0.0025	0.089	0.0025	0.10	0.0025	0.14	0.0025	0.10	0.0025	0.098
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND^	0.0010	ND
Boron	2.0	0.25	2.1	0.25	1.8	0.050	2.2	0.050	2.8	0.050	2.5	0.25	2.1	0.50	2.1	0.25	3.2	0.50	2.7	0.50	2.7	0.50	2.7	0.50	2.3	0.10	3.8	0.25	2.5	0.50	2.2	0.25	2.1	0.50	3.3	1.0	3.3	0.25	3.6	0.25	3.1	0.50	4.4	0.050	3.6	0.050	3.8	0.25	3.7	0.50	3.5	0.25	3.2	0.50	3.0
Cadmium	0.005	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND^	0.00050	ND
Chloride	200.0	10	92	10	130	10	150	10	120	10	120	10	100	10	120	10	140	10	140	10	130	10	140	10	130	10	140	10	140	10	140	10	140	10	140	10	110	10	130	10	140	10	140	10	130	10	120	10	120	2.0	73	10	86	10	100
Chromium	0.1	0.0050	ND	0.0050	ND	0.025	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.010	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	0.010	ND	0.010	ND	0.010	0.010	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.66	0.10	0.64	0.10	0.65	0.10	0.67	0.10	0.59	0.10	0.52	0.10	0.58	0.10	0.72	0.10	0.59 ^	0.10	0.57 ^	0.10	0.66	0.10	0.73	0.10	0.73	0.10	0.64	0.10	0.74	0.10	0.99	0.10	0.75	0.10	0.58	0.10	0.67	0.10	0.77	0.10	0.77	0.10	0.75	0.10	0.74	0.10	0.76	0.10	0.52	0.10	0.52	0.10	0.44
Iron	5.0	0.10	0.32	0.10	0.46	0.50	0.63	0.10	0.60	0.10	0.71	0.10	0.61	0.10	0.58	0.10	0.77	0.10	0.91	0.10	0.93	0.10	1.1	0.10	0.48	0.10	0.79	0.10	0.36	0.10	0.28	0.10	0.45	0.10	1.0	0.10	1.5	0.10	1.4	0.10	1.1	0.10	1.3	0.10	1.1	0.10	1.2	0.10	0.92	0.10	2.6	0.10	1.9	0.10	1.5
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.25	0.0025	0.22	0.013	0.25	0.0025	0.27	0.0025	0.29	0.0025	0.25	0.0025	0.26	0.0025	0.23	0.0025	0.29	0.0025	0.29	0.0025	0.24	0.0025	0.14	0.0025	0.22	0.0025	0.18	0.0025	0.12	0.0025	0.12	0.0025	0.25	0.0025	0.38	0.0025	0.29	0.0025	0.19	0.0025	0.26	0.0025	0.25	0.0025	0.20	0.0025	0.25 B	0.0025	0.43	0.0025	0.32	0.0025	0.21
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	0.00035	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.010	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0022	0.0020	0.0023	0.0020	0.0023	0.0020	0.0027	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0020	0.0023	0.0020	ND	0.0020	0.0024	0.0020	0.0033	0.0020	0.0027	0.0020	0.0036	0.0020	0.0025	0.0020	0.0030	0.0020	0.0049	0.0020	0.0032	0.0020	0.0037	0.0020	0.0023	0.0020	0.0023	0.0020	0.0022
Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0.10	ND^	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND^	0.10	ND ^	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.004	ND	0.004	ND ^	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	0.0025	ND	0.0025	ND	0.013	ND	0.0025	0.0032	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0059	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0036	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0029	0.0050	ND	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	0.0025	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND ^	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	100	370	100	370	100	350	100	420	100	290	50	330	100	350	100	380	100	270	100	350	50	350	100	300	50	330	50	290	100	270	100	260	100	380	50	260	50	260	50	350	50	330	50	270	50	270	50	240	50	240	50	180	50	280
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	990	10	960	10	990	10	1000	10	1100	10	990	10	1000	10	970	10	1100	10	1000	10	1100	10	900	10	920	10	1000	10	940	10	880	10	1100	10	1100	10	1000	10	970	10	990	10	1000	10	970	10	1000	10	980	10	1000	10	1000
Vanadium	0.049	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.10	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND^	0.020	ND
Benzene	0.005	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
BETX	11.705	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0019	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	7.61	NA	8.14	NA	7.53	NA	7.45	NA	7.10	NA	7.59	NA	7.39	NA	7.60	NA	7.47	NA	7.54	NA	7.53	NA	7.38	NA	7.27	NA	9.18	NA	7.54	NA	7.54	NA	6.84	NA	7.32	NA	7.43	NA	7.73	NA	7.34	NA	7.29	NA	7.26	NA	7.22	NA	7.30	NA	7.16	NA	7.83
Temperature	NA	NA	15.01	NA	10.51	NA	13.34	NA	16.84	NA	14.72	NA	11.27	NA	16.14	NA	18.45	NA	14.44	NA	10.50	NA	13.44	NA	16.41	NA	16.70	NA	10.54	NA	15.30	NA	16.39	NA	18.21	NA	10.10	NA	10.95	NA	18.29	NA	15.44	NA	8.85	NA	16.52	NA	21.72	NA	12.27	NA	10.19	NA	15.58
Conductivity	NA	NA	1.53	NA	1.47	NA	1.51	NA	1.32	NA	1.29	NA	1.06	NA	1.26	NA	1.30	NA	1.32	NA	1.18	NA	1.21	NA	1.09	NA	1.25	NA	1.03	NA	1.13	NA	1.11	NA	1.46	NA	1.17	NA	1.93	NA	1.31	NA	1.25	NA	0.87	NA	1.26	NA	1.40	NA	1.17	NA	1.04	NA	1.08
Dissolved Oxygen	NA	NA	NM	NA	0.42	NA	0.08	NA	0.05	NA	0.09	NA	0.02	NA	0.03	NA	0.01	NA	0.36	NA	0.20	NA	0.30	NA	0.15	NA	0.23	NA	1.50	NA	0.46	NA	0.29	NA	2.15	NA	0.79	NA	1.57	NA	0.85	NA	0.58	NA	0.67	NA	0.97	NA	1.43	NA	2.21	NA	0.79	NA	1.68
ORP	NA	NA	NM	NA	-208	NA	-88.7	NA	-241	NA	-177	NA	-119	NA	-124	NA	-126	NA	-120	NA	-117.4	NA	-97.8	NA	-112.1	NA	-165.8	NA	-187.5	NA	-68.3	NA	-77.9	NA	-159.3	NA	-98.60	NA	-115.0	NA	-141.9	NA	-68.9	NA	-60.3	NA	-123.3	NA	-73.2	NA	-87.5	NA	-65.6	NA	-92.4

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Applicable
ND - Not Detected
NM - Not Measured

NR - Not Required
^ - Denotes instrument related QC exceeds the control limits

Temperature	°C	degrees Celcius
Conductivity	ms/cmf	millisiemens/centimeter
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Will County Station, Romeoville, IL

Well	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium
	State Standards	0.006	0.01	2.0	0.004	0.005	0.01	1.0	4.0	0.0075	NS	0.002	NS	40 pCi/L	0.05	0.002
MW-11	11/10/2015	< 0.003	0.007	0.098	< 0.001	< 0.0005	< 0.005	< 0.001	0.61	0.00064	< 0.01	< 0.0002	0.0600	0.736	< 0.0025	< 0.002
	2/16/2016	< 0.003	0.0059	0.11	^ < 0.001	< 0.0005	< 0.005	< 0.001	0.68	< 0.0005	0.012	< 0.0002	0.078	1.14	< 0.0025	< 0.002
	5/25/2016	< 0.003	0.0073	0.093	^ < 0.001	< 0.0005	< 0.005	< 0.001	0.75	< 0.0005	< 0.01	< 0.0002	0.083	0.775	< 0.0025	< 0.002
	8/10/2016	< 0.003	0.0072	0.12	< 0.001	< 0.0005	< 0.005	< 0.001	0.72	< 0.0005	< 0.010	< 0.0002	0.087	0.807	< 0.0025	< 0.002
	10/26/2016	< 0.003	0.0082	0.096	< 0.001	< 0.0005	< 0.005	< 0.001	0.53	0.00052	< 0.01	< 0.0002	0.043	0.51	< 0.0025	< 0.002
	2/1/2017	< 0.003	0.011	0.15	* < 0.001	< 0.0005	< 0.005	< 0.001	0.65	< 0.0005	< 0.01	< 0.0002	0.076	0.909	< 0.0025	< 0.002
	5/10/2017	< 0.003	0.014	0.14	< 0.001	< 0.0005	< 0.005	< 0.001	0.46	< 0.0005	< 0.01	< 0.0002	0.074	1.03	< 0.0025	< 0.002
	6/27/2017	< 0.003	0.0058	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	0.59	< 0.0005	< 0.01	< 0.0002	0.069	0.692	< 0.0025	< 0.002

Notes:
All units are in mg/l except Radium is in pCi/L as noted.
State Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.
All samples were unfiltered.

NS - No Standard
^ - Denotes instrument related QC exceeds the control limits
* - LCS or LCSD is outside acceptance limits.

Well	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium
	State Standards	0.006	0.01	2.0	0.004	0.005	0.01	1.0	4.0	0.0075	NS	0.002	NS	40 pCi/L	0.05	0.002
MW-12	11/10/2015	< 0.003	0.0016	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	0.59	< 0.0005	0.012	< 0.0002	0.034	0.8139	< 0.0025	< 0.002
	2/16/2016	< 0.003	0.0013	0.084	^ < 0.001	< 0.0005	< 0.005	< 0.001	0.52	< 0.0005	0.015	< 0.0002	0.031	< 0.407	< 0.0025	< 0.002
	5/25/2016	< 0.003	0.0013	0.12	^ < 0.001	< 0.0005	< 0.005	< 0.001	0.54	0.00063	0.014	< 0.0002	0.03	0.41	0.0026	< 0.002
	8/10/2016	< 0.003	0.0017	0.12	< 0.001	< 0.0005	< 0.005	< 0.001	0.49	0.0006	0.017	< 0.0002	0.04	< 0.426	0.0077	< 0.002
	10/26/2016	< 0.003	0.0016	0.11	< 0.001	< 0.0005	0.025	< 0.001	0.49	< 0.0005	0.013	< 0.0002	0.036	< 0.664	< 0.0025	< 0.002
	2/1/2017	< 0.003	0.0017	0.11	* < 0.001	< 0.0005	< 0.005	< 0.001	0.48	0.00065	0.013	< 0.0002	0.023	0.949	< 0.0025	< 0.002
	5/10/2017	< 0.003	0.0013	0.13	< 0.001	< 0.0005	< 0.005	< 0.001	0.3	< 0.0005	0.012	< 0.0002	0.029	< 0.464	0.017	< 0.002
	6/27/2017	< 0.003	0.0014	0.14	< 0.001	< 0.0005	< 0.005	< 0.001	0.44	< 0.0005	0.017	< 0.0002	0.03	0.455	0.0032	< 0.002

Notes:
All units are in mg/l except Radium is in pCi/L as noted.
State Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater.
All samples were unfiltered.

NS - No Standard
^ - Denotes instrument related QC exceeds the control limits
* - LCS or LCSD is outside acceptance limits.