

ILLINOIS POLLUTION CONTROL BOARD
April 25,2018

SIERRA CLUB, ENVIRONMENTAL LAW)
AND POLICY CENTER, PRAIRIE RIVERS)
NETWORK, and CITIZENS AGAINST)
RUINING THE ENVIRONMENT,)
) PCB 13-15
Petitioner,) (Citizen's Enforcement – Water)
)
v.)
)
MIDWEST GENERATION, LLC.,)
)
Respondent.)

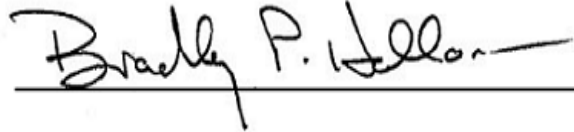
HEARING EXHIBITS

On October 23, October 24, October 25, October 26 and October 27, 2017, hearings were held in the above-captioned matter in Room 9-34 of the James R. Thompson Center, 100 West Randolph Street, Chicago, Illinois (JRTC). After properly noticed, the hearing was continued on January 29, January 30, January 31, February 1, February 2, February 5 and February 6, 2018 in Room 9-34 of the JRTC. Attorneys Faith E. Bugel, Lindsay Dubin, Abel Russ, Sylvia Lam and Greg Wannier appeared on behalf of the complainants. Attorneys Jennifer T. Nijman, Susan M. Franzetti and Kristen L. Gale appeared on behalf of the respondent.

Exhibits

A list itemizing the parties' exhibits and status is attached to this order.

IT IS SO ORDERED.

A handwritten signature in black ink that reads "Bradley P. Halloran". The signature is written in a cursive style and is positioned above a solid horizontal line.

Bradley P. Halloran
Hearing Officer
Illinois Pollution Control Board
James R. Thompson Center, Suite 11-500
100 W. Randolph Street
Chicago, Illinois 60601
312.814.8917
Brad.halloran@illinois.gov

PCB 13-15

Exhibit List

Exhibit	Description	Status
Complainants Exhibit 1A	Agency's Violation Notice: Midwest Generation, Waukegan Generating Station-June 11, 2012	Admitted
Complainants Exhibit 2A	Agency's Violation Notice: Midwest Generation, Will County Generating Station-June 11, 2012	Admitted
Complainants Exhibit 3A:	Agency's Violation Notice: Midwest Generating Station, Joliet #29 Generating Station-June 11, 2012	Admitted
Complainants Exhibit 4A	Agency's Violation Notice: Midwest Generation, Powerton Station-June 11, 2012	Admitted
Complainants Exhibit 5.5	Midwest Generation response to discovery-March 31, 2015	Admitted
Complainants Exhibit 6	Midwest Generation supplemental response to second set of interrogatories-June 10, 2015	Admitted
Complainants Exhibit 7	Midwest Generation supplemental response to first set of interrogatories-June 10, 2015	Admitted
Complainants Exhibit 8B	Letter from Franzetti Re: Violation Notice W-2012-00059 to Agency-July 27, 2012	Admitted
Complainants Exhibit 9B	Letter from Franzetti Re: Violation Notice W-2012-00057 to Agency-July 27, 2012	Admitted
Complainants Exhibit 10B	Letter from Franzetti Re: Violation Notice W-2012-00056 to Agency-July 27, 2012	Admitted
Complainants Exhibit 11B	Letter from Franzetti Re: Violation Notice W-2012-00058-July 27, 2012	Admitted
Complainants Exhibit 12C	Assessment Report for #29 Joliet Generating Station-February 2011	Admitted
Complainants Exhibit 13C	Assessment Report for Powerton Generating Station-February 2011	Admitted
Complainants Exhibit 14C	Assessment Report for Waukegan Generating Station-February 2011	Admitted
Complainants Exhibit 15C	Assessment Report for Will County Generating Station-February 2011	Admitted
Complainants Exhibit 16	E-mail from Frenzt to Maria-2-10-2012	Admitted
Complainants Exhibit 17D	Phase II Site Assessment, Powerton Generating Station-December 1998	Admitted

Complainants Exhibit 18D	Phase II Site Assessment, Will County Generating Station-December 1998	Admitted
Complainants Exhibit 19D	Phase II Site Assessment, Waukegan Generating Station-November 1998	Admitted
Complainants Exhibit 20D	Phase II Site Assessment, Joliet #29 Generation Station-December 1998	Admitted
Complainants Exhibit 21	Phase I Site Assessment, Joliet #29 Generating Station-October 1998	Admitted
Complainants Exhibit 22	E-mail from Tiachac to Maria Race-October 24, 2007	Admitted
Complainants Exhibit 23	Letter from Hanrahan to Agency-December 14, 2012	Admitted
Complainants Exhibit 24E	Powerton Bypass Cleaning Basin-May 17, 2012	Admitted
Complainants Exhibit 24.5E	Powerton Amended Groundwater Monitoring Results, First Quarter 2012-July 30, 2012	Admitted
Complainants Exhibit 25E	Joliet #29 Groundwater Monitoring Results, Second Quarter 2011-August 1, 2011	Admitted
Complainants Exhibit 26E	Powerton Groundwater Monitoring Results, First Quarter 2011-April 18, 2011	Admitted
Complainants Exhibit 27E	Powerton Groundwater Monitoring Results, Third Quarter 2011-October 21, 2011	Admitted
Complainants Exhibit 28E	Powerton Groundwater Monitoring Results, April 2012, Metal Cleaning Basin-May 17, 2012	Admitted
Complainants Exhibit 29E	Waukegan Groundwater Monitoring Results, Fourth Quarter 2012-January 16, 2013	Admitted
Complainants Exhibit 30E	Will County Groundwater Monitoring Results, Second Quarter 2011- August 1, 2011	Admitted
Complainants Exhibit 30.5E	Powerton Groundwater Monitoring Results, Bypass Cleaning Basin, Fourth Quarter 2011-January 18, 2012	Admitted
Complainants Exhibit 31	E-mail from Frenzt to Maria-August 9, 2012	Admitted
Complainants Exhibit 32	E-mail from Schuh to Race-July 24, 2008	Admitted
Complainants Exhibit 33	Midwest Generation Application, Powerton Station-December 18, 2009	Admitted
Complainants Exhibit 34	NRT Technical Memo, Impoundment Ranking and Replacement Liner-	Admitted

	December 21, 2005	
Complainants Exhibit 35	E-mail from Buscher/Agency to Maria Race- October 26, 2011	Offer-of-Proof
Complainants Exhibit 36	E-mail from Frenndt to Maria Race- January 7, 2011	Admitted
Complainants Exhibit 37	Unsigned letter from Race to Dunaway- July 26, 2013	Offer-of-Proof
Complainants Exhibit 38	Assessment Report for Waukegan Generating Station-October 1998	Admitted
Complainants Exhibit 39F	Waukegan Generating Station Annual Groundwater Monitoring Report-July 2013	Admitted
Complainants Exhibit 40F	Waukegan Generating Station Semiannual Groundwater Monitoring Report-December 2003	Admitted
Complainants Exhibit 41F	Report from Andrews Environmental Engineering to Race-November 8, 2005	Admitted
Complainants Exhibit 42F	Waukegan Generating Station Analytical Report-June 6, 2002	Admitted
Complainants Exhibit 42.5F	Waukegan Generating Station Annual Groundwater Monitoring Report-July 2016	Admitted
Complainants Exhibit 43	E-mail from Race to Dunaway-July 26, 2013	Admitted
Complainants Exhibit 44	E-mail from Race to Dunaway-August 28, 2014	Admitted
Complainants Exhibit 45	Letter from Oritz to Holthaus-March 21, 2001	Offer-of-Proof
Complainants Exhibit 46	Patrick Engineering and Agency Meeting Minutes-May 5, 2010	Admitted
Complainants Exhibit 47	Agency Meeting Minutes Re: Midwest Generation Ash Pond-May 5, 2010	Offer-of-Proof
Complainants Exhibit 48	E-mail from Tiachac to Connolly-February 21, 2008	Admitted
Complainants Exhibit 51	Communications Regarding Joliet #29 Liner Replacement-Ponds 1 and 2	Offer-of-Proof
Complainants Exhibit 100	Letter from Smith to Lux-May 29, 2015	Admitted
Complainants Exhibit 100.5	Waukegan Ash Pond Construction Diagram	Admitted
Complainants Exhibit 102	2007 Work Order to Excavate and Clean East Ash Pond Liner	Admitted
Complainants Exhibit 103	E-mail from Lux to Ollila-November 3, 2014	Admitted
Complainants Exhibit 104	E-mail from Lux to Waukegan Employees-October 11, 2013	Admitted
Complainants Exhibit 105	E-mail from Christy to Lux-March 21,	Admitted

	2015	
Complainants Exhibit 106	E-mail from Veenaas to Lux-September 12, 2014	Admitted
Complainants Exhibit 107	E-mail from Gaynor to Hanrahan-April 9, 2013	Admitted
Complainants Exhibit 108	E-mail from Gaynor to Hanrahan and Lux-March 27, 2013	Admitted
Complainants Exhibit 109	E-mail from Gaynor to Hart Race etc.-September 24, 2013	Admitted
Complainants Exhibit 110	E-mail from Kosmatka to Lux-September 13, 2013	Admitted
Complainants Exhibit 112	E-mail from Lux to Gaynor-March 27, 2013	Admitted
Complainants Exhibit 201	Letter from Gnat to Race-October 13, 2005	Admitted
Complainants Exhibit 202	Letter from Gnat to Race-October 25, 2005	Admitted
Complainants Exhibit 203	KPRG Boring Logs for Waukegan Station, 8 and 9- April 29, 2014	Admitted
Complainants Exhibit 204G	TestAmerica Analytical Report, Joliet #29-May 31, 2016	Admitted
Complainants Exhibit 205G	TestAmerica Analytical Report, Joliet #29-September 22, 2016	Admitted
Complainants Exhibit 206G	TestAmerica Analytical Report, Joliet #29-November 15, 2016	Admitted
Complainants Exhibit 207G	TestAmerica Analytical Report, Joliet #29-February 25, 2016	Admitted
Complainants Exhibit 208G	TestAmerica Analytical Report, Joliet #29-February 21, 2017	Admitted
Complainants Exhibit 209G	TestAmerica Analytical Report, Joliet #29-May 11, 2017	Admitted
Complainants Exhibit 210H	TestAmerica Analytical Report, Powerton Station-June 14, 2016	Admitted
Complainants Exhibit 211H	TestAmerica Analytical Report, Powerton Station-August 31, 2016	Admitted
Complainants Exhibit 212H	TestAmerica Analytical Report, Powerton Station-December 1, 2016	Admitted
Complainants Exhibit 213H	TestAmerica Analytical Report, Powerton Station-March 11, 2016	Admitted
Complainants Exhibit 214H	TestAmerica Analytical Report, Powerton-March 8, 2017	Admitted
Complainants Exhibit 215H	TestAmerica Analytical Report, Powerton-May 19, 2017	Admitted

Complainants Exhibit 216I	TestAmerica Analytical Report, Waukegan Station Ash Ponds-June 3, 2014	Admitted
Complainants Exhibit 217I	TestAmerica Analytical Report, Waukegan Station Ash Ponds-September 9, 2014	Admitted
Complainants Exhibit 218I	TestAmerica Analytical Report, Waukegan Station Ash Ponds-November 20, 2014	Admitted
Complainants Exhibit 219I	TestAmerica Analytical Report, Waukegan Station-March 10, 2017	Admitted
Complainants Exhibit 220I	TestAmerica Analytical Report, Waukegan Station Permit-May 30, 2017	Admitted
Complainants Exhibit 222J	TestAmerica Analytical Report, Waukegan Station-May 25, 2016	Admitted
Complainants Exhibit 223J	TestAmerica Analytical Report, Waukegan Station-September 8, 2016	Admitted
Complainants Exhibit 224J	TestAmerica Analytical Report, Waukegan Station-December 19, 2016	Admitted
Complainants Exhibit 225J	TestAmerica Analytical Report, Waukegan Station-March 24, 2016	Admitted
Complainants Exhibit 226J	TestAmerica Analytical Report, Waukegan Station-May 25, 2016	Admitted
Complainants Exhibit 227J	TestAmerica Analytical Report, Waukegan Station-March 10, 2017	Admitted
Complainants Exhibit 228J	TestAmerica Analytical Report, Waukegan Station-May 30, 2017	Admitted
Complainants Exhibit 229K	TestAmerica Analytical Report, Waukegan Station Ash Ponds-September 9, 2014	Admitted
Complainants Exhibit 230K	TestAmerica Analytical Report, Waukegan Station Ash Ponds-November 20, 2014	Admitted
Complainants Exhibit 231K	TestAmerica Analytical Report, Waukegan Station-September 13, 2016	Admitted
Complainants Exhibit 232K	TestAmerica Analytical Report, Waukegan St.Ash Ponds-May 18, 2016	Admitted
Complainants Exhibit 233K	TestAmerica Analytical Report, Waukegan Station Ash Ponds-March 18, 2016	Admitted
Complainants Exhibit 234K	TestAmerica Analytical Report, Waukegan Station Permit-March 10, 2017	Admitted
Complainants Exhibit 235K	TestAmerica Analytical Report, Waukegan Station Permit-May 30, 2017	Admitted
Complainants Exhibit 235.5K	TestAmerica Analytical Report, Waukegan Station-December 21, 2016	Admitted
Complainants Exhibit 236L	TestAmerica Analytical Report, Will	Admitted

	County-June 17, 2016	
Complainants Exhibit 237L	TestAmerica Analytical Report, Will County-August 24, 2016	Admitted
Complainants Exhibit 238L	TestAmerica Analytical Report, Will County-November 9, 2016	Admitted
Complainants Exhibit 239L	TestAmerica Analytical Report, Will County-March 2, 2016	Admitted
Complainants Exhibit 240L	TestAmerica Analytical Report, Will County-February 14, 2017	Admitted
Complainants Exhibit 241L	TestAmerica Analytical Report, Will County-May 24, 2017	Admitted
Complainants Exhibit 242	Letter from Hanrahan to Agency Re: CCA-January 18, 2013	Admitted
Complainants Exhibit 243M	Quarterly Groundwater Monitoring Report, Joliet #29-July 22, 2013	Admitted
Complainant Exhibit 244M	Quarterly Groundwater Monitoring Report, Joliet #29-July 22, 2015	Admitted
Complainants Exhibit 245M	Annual and Quarterly Groundwater Monitoring Results, Fourth Quarter 2016, Joliet #29-January 13, 2017	Admitted
Complainants Exhibit 246M	Quarterly Groundwater Monitoring Report, Joliet #29-June 23, 2017	Admitted
Complainants Exhibit 248N	Inspection Summary Letter, Joliet #29-Former Ash Burial Runoff Inspection 2009-August 27, 2009	Admitted
Complainants Exhibit 249N	Inspection Summary Letter, Joliet #29 Former Ash Burial Area Runoff Inspection 2010-August 27, 2010	Admitted
Complainants Exhibit 250N	Inspection Summary Letter, Joliet #29 Former Ash Burial Runoff Inspection-2011	Admitted
Complainants Exhibit 251N	Inspection Summary Letter and Repair Cost Estimate, Joliet #29 Former Ash Burial Area Runoff Inspection- 2012	Admitted
Complainants Exhibit 253	CCA, ELUC, Powerton Generating Station-January 18, 2013	Admitted
Complainants Exhibit 254	CCA, GMZ Application, Powerton Generating Station-January 18, 2013	Admitted
Complainants Exhibit 255	Letter from Gnat to Dunaway-September 11, 2013	Admitted
Complainants Exhibit 256O	Quarterly Groundwater Monitoring	Admitted

	Results, Powerton Generating Station-Ash Impoundments-Second Quarter 2013-July 22, 2013	
Complainants Exhibit 257O	Quarterly Groundwater Monitoring Results, Powerton Generating Station-Ash Impoundments-Second Quarter 2015-July 22, 2015	Admitted
Complainants Exhibit 258O	Annual and Quarterly Groundwater Monitoring Results, Powerton Generating Station-Ash Impoundments-Fourth Quarterly 2016-January 13, 2017	Admitted
Complainants Exhibit 259O	Quarterly Groundwater Monitoring Results, Powerton Generating Results-Ash Impoundments-First Quarter 2017-April 13, 2017	Admitted
Complainants Exhibit 260O	Quarterly Groundwater Monitoring Results, Powerton Generating Station-Ash Impoundments-Second Quarter 2017-July 5, 2017	Admitted
Complainants Exhibit 263	Midwest Gen CCA-ELUC, Waukegan Station-January 18, 2013	Admitted
Complainants Exhibit 264	Midwest Gen, Waukegan Station, New Wells and ELUC	Admitted
Complainants Exhibit 265	Table 1. Groundwater Elevations- Midwest Gen, Waukegan Station	Offer-of-Proof
Complainants Exhibit 267P	Quarterly Groundwater Monitoring Report, Third Quarter, Waukegan Generating Station-October 20, 2014	Admitted
Complainants Exhibit 268P	Annual and Quarterly Groundwater Monitoring Report, Waukegan Generating Station, Fourth Quarter 2014-January 22, 2015	Admitted
Complainants Exhibit 269P	Groundwater Monitoring Report, Fourth Quarter 2016-January 19, 2017	Admitted
Complainants Exhibit 270P	Quarterly Groundwater Monitoring Report, Waukegan Generating Station, Second Quarter-2017-July 11, 2017	Admitted
Complainants Exhibit 271	Groundwater data tables for Waukegan Wells MW-1 through MW-15	Admitted
Complainants Exhibit 274	Letter from Gnat to Race-August 31, 2005	Admitted
Complainants Exhibit 275	Letter from Hanrahan to Rhodes (Agency)-January 15, 2013	Admitted

Complainants Exhibit 276	Letter from Hanrahan to Rhodes (Agency)- January 18, 2013	Admitted
Complainants Exhibit 278Q	Quarterly Groundwater Monitoring Report, Will County Generation Station, Second Quarter 2013-July 22, 2013	Admitted
Complainants Exhibit 279Q	Quarterly Groundwater Monitoring Report, Will County Generation Station, Second Quarter 2015- July 22, 2015	Admitted
Complainants Exhibit 280Q	Annual and Quarterly Groundwater Monitoring Report, Will County Generating Station Fourth Quarter, 2016- January 13, 2017	Admitted
Complainants Exhibit 281Q	Quarterly Groundwater Monitoring Report, Will County Generation Station, Second Quarter 2017-June 23, 2017	Admitted
Complainants Exhibit 284	Letter from Gnat to Shealey-Summary Report-September 8, 2015	Admitted
Complainants Exhibit 286	Midland Standard Engineering & Testing, Will County Station-August 22, 2012	Admitted
Complainants Exhibit 293	Letter from Gnat to Race Summary Report- August 18, 2005	Admitted
Complainants Exhibit 300	E-mail from Beaudry to Yakima	Offer-of Proof
Complainants Exhibit 301	E-mail from Maddox to Dedrickson- September 1, 2010	Admitted
Complainants Exhibit 302	Facsimile from Mills to Maddox-October 19, 2009	Admitted
Complainants Exhibit 303	Stormwater Construction Site Inspection Report-signed by Maddox-October 11, 2009	Admitted
Complainants Exhibit 304	E-mail from Maddox to Shields-July 28, 2009	Admitted
Complainants Exhibit 305	E-mail Exchange Re: Leak Location Services	Offer-of- Proof
Complainants Exhibit 306	E-mail from Maddox to Lux-September 3, 2008	Admitted
Complainants Exhibit 307	E-mail from Maddox to Kamm-June 26, 2012	Admitted
Complainants Exhibit 309	Letter from Claybaugh to Agency- December 11, 2008	Admitted
Complainants Exhibit 311	E-mail from Maddox to Wolan-July 28,	Admitted

	2010	
Complainants Exhibit 400	James Kunkel Resume/CV	Admitted
Complainants Exhibit 401	James Kunkel Expert Report, Groundwater Contamination-July 1, 2015	Admitted
Complainants Exhibit 402	E-mail from Kunkel to Duggan- September 17, 2014	(Admitted as Midwest Exhibit 417)
Complainants Exhibit 403	EPRI Research Institute, November 2012	Offer-of-Proof
Complainants Exhibit 404	EPRI Leachate Research-November 2010	Admitted
Complainants Exhibit 405	Agency Proposed New 35 Ill Adm.Code Parts 841-October 28, 2013	Admitted/Administrative Notice
Complainants Exhibit 407	Kunkel Expert Rebuttal Report-December 8, 2015	Admitted
Complainants Exhibit 408	Kunkel Expert Rebuttal Report-March 16, 2016	Admitted
Complainant Exhibit 409	Standard Test Method for Shake Extraction of Solid Waste with Water (2004)	Offer-of-Proof
Complainant Exhibit 410	Standard Test Method for Shake Extraction of Solid Waste with Water	Offer-of-Proof
Complainants Exhibit 411	James Kunkel Demonstrative Exhibits	Admitted
Complainants Exhibit 713	E-mails-June 7,8, 2010, Re: Powerton Ash Impoundments	Admitted
Complainants Exhibit 714	E-mail related to Powerton Secondary Ash Basin Future Cleaning-April 9, 2013	Admitted
Complainants Exhibit 716	E-mail exchange between Jeffrey Bard, Maria Race and Mark Kelly- August 12, 13, 2012	Admitted
Complainants Exhibit 720	Checklist for Waukegan Ash Ponds-October 28, 2015	Admitted
Complainants Exhibit 721	Checklist for Waukegan Ash Ponds-December 23, 2015	Admitted
Respondent's Exhibit 412	James Kunkel Supplemental Rebuttal Report-December 8, 2015	Admitted
Respondent's Exhibit 413	E-mail from Kunkel to Bugel-March 9, 2016	Admitted
Respondent's Exhibit 414	E-mail from Kunkel to Bugel-March 21,2016	Admitted
Respondent's Exhibit 415	Complainants' Response to Midwest Document Request-May 23, 2016	Admitted
Respondent's Exhibit 416	Certification of Kunkel-October 18, 2016-with Requested Citations from the March	Admitted

	17, 2016 Deposition of Kunkel attached	
Respondent's Exhibit 417	E-mail from Kunkel to Duggan 9-17-2014	Admitted
Respondent's Exhibit 418	Notes from Telecom with Abel Russ on 9-12-14	Admitted
Respondent's Exhibit 419	Excerpt pages of Complainants Exhibit 411 with certain errors corrected	Admitted
Respondent's Exhibit 500	Pond Characterizations for Midwest Generation Stations-Summer 2005	Admitted
Respondent's Exhibit 501	Application for Permit for Will County Ash Ponds 2 and 3-July 22, 2008	Admitted
Respondent's Exhibit 502	Will County Ponds 2S and 3S Construction Permit to reline-September 25, 2008	Admitted
Respondent's Exhibit 503	NPDES Permit for Ponds 2S and 3S-Will County-June 4, 2009	Admitted
Respondent's Exhibit 505	Pond Drawings for the Relining of Pond 3S-Will County	Admitted
Respondent's Exhibit 506	Will County Ponds 2S and 3S Ash Pond Liner Specification-September 9, 2008	Admitted
Respondent's Exhibit 507	Will County Pond 3S Field Summaries and Field Directives-October 13, 2009	Admitted
Respondent's Exhibit 508	Leak Location Report for Pond 3S at Will County-October 26, 2009	Admitted
Respondent's Exhibit 509	Natural Resource Technology Meeting Minutes -Will County Pond 2S Liner Replacement Project-June 25, 2013	Admitted
Respondent's Exhibit 510	Construction Documentation -Pond 2S at Will County-July 18, 2014	Admitted
Respondent's Exhibit 511	Map of Ponds 1N and 1S at Will County	Admitted
Respondent's Exhibit 512	Will County Bottom Ash Analytical Report-December 16, 2010	Admitted
Respondent's Exhibit 600	LaFarge Ash Movements by Station and Utilization, 2008-2013 (August 12, 2014)	Admitted
Respondent's Exhibit 601	Joliet #29 Alta Survey, Sheet 1, 1999	Admitted
Respondent's Exhibit 602	TestAmerica Analytical Report, Joliet #29-July 20, 2015	Admitted
Respondent's Exhibit 603	Joliet #29 NPDES Permit-September 30, 2014	Admitted
Respondent's Exhibit 604	Joliet #29 ENSR 1998 Boring Logs	Admitted
Respondent's Exhibit 605	NRT Technical Memo-October 13, 2006	Admitted
Respondent's Exhibit 606	NRT Technical Memo-November 22, 2006	Admitted
Respondent's Exhibit 607	Midwest Generation Initial Schedule of Pond Relining Schedule, Joliet #29	Admitted

Respondent's Exhibit 608	Application for Joliet #29 Pond 1 and 2 Construction Permits-June 21, 2007	Admitted
Respondent's Exhibit 609	Joliet #29 Pond 1 and 2 Construction Permit-July 20, 2007	Admitted
Respondent's Exhibit 610	Joliet #29 Ponds 1 and 2 Construction Documentation-December 23, 2008	Admitted
Respondent's Exhibit 611	Carlson Environmental, Letter from Artip to Constantelos-February 8, 2008	Admitted
Respondent's Exhibit 612	Joliet #29 Recorded ELUC-August 5, 2010	Admitted
Respondent's Exhibit 613	Hydrogeologic Assessment Plan, Joliet #29-September 2010	Admitted
Respondent's Exhibit 614	Hydrogeologic Assessment Plan, Powerton-July 2010	Admitted
Respondent's Exhibit 615	Hydrogeologic Assessment Plan, Waukegan-July 2010	Admitted
Respondent's Exhibit 616	Hydrogeologic Assessment Plan, Romeoville-July 2010	Admitted
Respondent's Exhibit 617	Agency Letter regarding Joliet #29 Assessment Plan- September 24, 2010	Admitted
Respondent's Exhibit 618	Letter from Agency to Constantelos regarding Powerton-September 24, 2010	Admitted
Respondent's Exhibit 619	Agency Letter to Constantelos regarding Waukegan-September 24, 2010	Admitted
Respondent's Exhibit 620	Agency Letter to Constantelos regarding Will County-September 24, 2010	Admitted
Respondent's Exhibit 621	Midwest Generation letter to Agency-July 15, 2009	Admitted
Respondent's Exhibit 622	Letter to Agency from Franzetti regarding Joliet #29-August 31, 2012	Admitted
Respondent's Exhibit 623	Letter to Agency from Franzetti regarding Waukegan- September 4, 2012	Admitted
Respondent's Exhibit 624	Letter to Agency from Franzetti regarding Powerton-September 4, 2012	Admitted
Respondent's Exhibit 625	Letter to Agency from Franzetti regarding Will County-September 4, 2012	Admitted
Respondent's Exhibit 626	CCA Joliet #29-October 24, 2012	Admitted
Respondent's Exhibit 627	Letter to Hanrahan from Agency regarding Joliet #29-August 8, 2013	Admitted
Respondent's Exhibit 628	Construction Permit, Joliet #29-February 25, 2013	Admitted
Respondent's Exhibit 629	Construction Documentation, Joliet #29-	Admitted

	July 16, 2014	
Respondent Exhibit 630	Midwest Generation Compliance Statement regarding #29-October 9, 2013	Admitted
Respondent's Exhibit 631	Powerton Alta Survey, Sale and Retained Tract-1999	Admitted
Respondent's Exhibit 632	Powerton Generating Station Phase I Assessment-October 1998	Admitted
Respondent's Exhibit 633	E-mail from Simon to Rabins-September 14, 2010	Admitted
Respondent's Exhibit 634	Powerton NPDES Permit-May 22, 2015	Admitted
Respondent's Exhibit 635	Andrews Engineering Report regarding Sampling the Limestone Runoff Basin-June 8, 2004	Admitted
Respondent's Exhibit 636	CCA regarding Powerton-October 24, 2012	Admitted
Respondent's Exhibit 637	CCA regarding Powerton-October 17, 2013	Admitted
Respondent's Exhibit 638	Letter from Agency regarding Powerton GMZ-October 3, 2013	Admitted
Respondent's Exhibit 639	Letter from Agency regarding Powerton ELUC-August 26, 2013	Admitted
Respondent's Exhibit 640	Waukegan Alta Survey, Tract Exhibit-1999	Admitted
Respondent's Exhibit 641	E-mail from Race to Wozniak-September 3, 2014	Admitted
Respondent's Exhibit 642	Waukegan NPDES Permit-April 10, 2017	Admitted
Respondent's Exhibit 643	Remedial Investigation Report-Phase I/Former Griess-Pfleger Tannery Site-March 1994	Admitted
Respondent's Exhibit 644	Phase II Remedial Investigation Report/Former Griess-Pfleger Tannery Site-	Admitted
Respondent's Exhibit 645	Remediation Objectives Report/Former Griess-Pfleger Tannery Site-August 8, 2002	Admitted
Respondent's Exhibit 646	ELUC Document establishing a portion on Midwest Generation Waukegan Station-June 23, 2003	Admitted
Respondent's Exhibit 647	CCA, Waukegan Generating Station-October 24, 2012	Admitted
Respondent's Exhibit 648	Waukegan Generating Station NPDES Permit Transcript-July 31, 2013	Admitted
Respondent's Exhibit 649	E-mail from Dunaway to Rabins- January 6, 2015	Admitted
Respondent's Exhibit 650	Groundwater ELUC, Waukegan Generating Station-August 26, 2013	Admitted

Respondent's Exhibit 651	Waukegan Generating Station, Compliance Statement-October 22, 2013	Admitted
Respondent's Exhibit 652	Will County Generating Station, Phase I Environmental Site Assessment-October 1998	Admitted
Respondent's Exhibit 653	Will County Generating Station Alta Survey, Tract Exhibit	Admitted
Respondent's Exhibit 654	Will County Generating Ponds IN, 2S and 3S Ash Pond drawings	Admitted
Respondent's Exhibit 655	Will County Generating Station NPDES Permit-May 15, 2014	Admitted
Respondent's Exhibit 556	CCA, Will County Generating Station-October 24, 2012	Admitted
Respondent's Exhibit 657	Will County Generating Station Construction Permit-February 25, 2013	Admitted
Respondent's Exhibit 658	Agency Letter to Kennedy regarding Will County Power Station, GMZ-July 2, 2013	Admitted
Respondent's Exhibit 659	Midwest Generation Station Proposed Will County Station-January 18, 2013	Admitted
Respondent's Exhibit 660	Agency Approval of Will County Power Station, GMZ- September 26, 2013	Admitted
Respondent's Exhibit 661	Midwest Generation Regarding CCA-October 17, 2013	Admitted
Respondent's Exhibit 663	Joliet #29 Timeline of Events	Admitted
Respondent's Exhibit 664	Powerton Generating Station, Timeline of Events	Admitted
Respondent's Exhibit 664A	Panoramic View of Ash Basin from Northeast Corner, Facing Southwest-Powerton Power Station	Admitted
Respondent's Exhibit 665	Waukegan Power Station Timeline of Events	Admitted
Respondent's Exhibit 666	Will County Power Station, Timeline of Events	Admitted
Respondent's Exhibit 667	Midwest Generation Maps: Joliet #29, Powerton, Waukegan and Will County	Admitted
Respondent's Exhibit 700	Analytical Report, Powerton Station-March 14, 2007	Admitted
Respondent's Exhibit 701	Application for Construction Permit/Powerton Ash Surge Basin-January 17, 2013	Admitted

Respondent's Exhibit 702	Powerton Construction Permit for Ash Surge Basin Relining-February 25, 2013	Admitted
Respondent's Exhibit 703	Construction Documentation, Powerton Ash Surge Basin Liner Replacement-July 18, 2014	Admitted
Respondent's Exhibit 704	Application for Permit/Construction of Powerton Bypass Liner Replacement-June 30, 2010	Admitted
Respondent's Exhibit 705	Construction Permit for Powerton Bypass Basin Relining-September 15, 2010	Admitted
Respondent's Exhibit 706	Construction Documentation/Powerton Metal Cleaning Basin and Bypass Liner Replacement-June 27, 2011	Admitted
Respondent's Exhibit 707	Application for Permit/Construction of Powerton Metal Cleaning Basin Liner Replacement-July 27, 2009	Admitted
Respondent's Exhibit 708	Construction Permit to Reline Powerton Metal Clean Basin- November 13, 2009	Admitted
Respondent's Exhibit 709	Construction Permit to Reline Secondary Ash Basin-April 2, 2010	Admitted
Respondent's Exhibit 710	Construction Documentation for the Powerton Secondary Ash Settling Basin Liner Replacement-July 21, 2014	Admitted
Respondent's Exhibit 711	CCA Modification Regarding Powerton East Yard Run-off Basin-July 30, 2015	Admitted
Respondent's Exhibit 712	Jar of Bottom Ash Collected from Waukegan Station	Admitted
Respondent's Exhibit 800	KPRG Erosion Repair Documentaion for Joliet #29-September 26, 2009	Admitted
Respondent's Exhibit 801	KPRG Erosion Repair Documentation for Joliet #29-September 26, 2010	Admitted
Respondent's Exhibit 802	KPRG Erosion Repair Documentation for Joliet #29-September 22, 2011	Admitted
Respondent's Exhibit 803	KPRG Erosion Repair Documentation for Joliet #29-September 26, 2012	Admitted
Respondent's Exhibit 804	KPRG Inspection Summary Letter-August 21, 2013	Admitted
Respondent's Exhibit 805	KPRG Inspection Summary Letter-August 28, 2014	Admitted
Respondent's Exhibit 806	KPRG Soil Pile Sampling Summary, Waukegan Station-July 22, 2004	Admitted
Respondent's Exhibit 807	KPRG Waukegan 1974 Aerial Photo of Historic Areas-January 4, 2013	Admitted

Respondent's Exhibit 808	ASTM: D3987-85 (2004), Standard Test Method for Shake Extraction of Solid Waste with Water	Admitted
Respondent's Exhibit 809	Table of Groundwater Analytical Results for Midwest Generation Joliet #29, 4Q2014-2Q2017	Admitted
Respondent's Exhibit 810	Table of Groundwater Analytical Results for Midwest Generation Powerton Station 4Q2014-2Q2017	Admitted
Respondent's Exhibit 811	Table of Groundwater Analytical Results for Midwest Generation Waukegan Station-4Q2014-2Q2017	Admitted
Respondent's Exhibit 812	Table of Groundwater Analytical Results for Midwest Generation Will County Station-4Q2014-2Q2017	Admitted
Respondent's Exhibit 813	Waukegan Groundwater Flow Map	Admitted
Respondent's Exhibit 900	John Seymour, P.E., CV	Admitted
Respondent's Exhibit 901	John Seymour Testimony/PowerPoint Presentation and Updates	Admitted
Respondent's Exhibit 902	ASTM E2277-14, Standard Guide for Design and Construction of Coal Ash Structural Fills	Admitted
Respondent's Exhibit 903	Expert Report of John Seymour, P.E.-November 2, 2015,	Admitted
Respondent's Exhibit 904	Supplemental to the Expert Report of John Seymour, P.E.-February 29, 2016	Admitted
Respondent's Exhibit 905	John Seymour, P.E., Report Citation Updates-January 2018	Admitted
Respondent's Exhibit 906	John Seymour Temporal Trend Testing Results-February 29, 2016	Admitted
Respondent's Exhibit 907	Updates to 2Q2017 of Tables for the Appendix B, Surface Water Risk Characterization of John Seymour Expert Report	Admitted
Respondent's Exhibit 908	Joliet #29 Monitoring Well Slides compared to Class 1 Standard based upon Complainant's Exhibit 411	Admitted

CERTIFICATE OF SERVICE

It is hereby certified that true copies of the foregoing order were e-mailed on April 25, 2018, to each of the persons on the service list below.

It is hereby certified that a true copy of the foregoing order was e-mailed to the following on April 25, 2018:

Don Brown
Illinois Pollution Control Board
James R. Thompson Center
100 W. Randolph St., Ste. 11-500
Chicago, Illinois 60601

A handwritten signature in black ink that reads "Bradley P. Halloran" with a horizontal line underneath.

Bradley P. Halloran
Hearing Officer
Illinois Pollution Control Board
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312.814.8917

@ Consents to electronic service

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