## **EXHIBIT LIST**

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STATE OF ILLINOIS

Pollution Control Board

IN THE MATTER OF:

WATER QUALITY STANDARDS AND EFFLUENT LIMITATIONS FOR THE CHICAGO AREA WATERWAY SYSTEM AND LOWER DES PLAINES RIVER PROPOSED AMENDMENTS TO 35 ILL. ADM. CODE 301, 302, 303, and 304 R08-9 (Rulemaking - Water)

Exhibit 1 Prefiled testimony of Rob Sulski

Exhibit 2 Prefiled testimony of Scott Twait

Exhibit 3 Prefiled testimony of Roy Smogor

- Exhibit 4 United States Environmental Protection Agency letter from Linda Holst to Toby Frevert of the Illinois Environmental Protection Agency, dated May 3, 2007
- Exhibit 5 Appendix Table 1.QHEI metric scores for stations sampled in the Illinois and DesPlaines Rivers during 2006
- Exhibit 6 Table 2. QHEI scores and metric values for sites sampled in the Des Plaines & Illinois Rivers by MBI in 2006
- Exhibit 7 MBI Qualitative Habitat Evaluation Index Field Sheet QHEI Score (contains 23 pages)
- Exhibit 8 "Quality Assurance Project Plan: Fish Assemblage Assessment of the Lower Des Plaines River" Effective Date July 1, 2006, Center of Applied Bioassessment & Biocriteria P.O. Box 21561 Columbus, OH 43221-0561
- Exhibit 9 Publication: HERALD-NEWS, Publication date: 8/19/2002 "Fishermen died by drowning"
- Exhibit 10 Three Rivers Manufacturers' Association letter to Toby Frevert dated June 6, 2003
- Exhibit 11 United States Environmental Protection Agency MEMORANDUM on
  "Improving the Effectiveness of the Use Attainability Analysis (UAA) Process" from Ephraim S. King to Regional Water Division Directors. Dated March 13, 2006

Exhibit 12	"Review of 'Technical Memorandum 1WQ-Disingection Evaluation Prepared on Behalf of the Metropolitan Water Reclamation District of Greater Chicago" Prepared for United States Environmental Protection Agency by Science Applications International Corporation
Exhibit 13	Prefiled testimony of Chris O. Yoder
Exhibit 14	Curriculum Vitae of Chris Yoder
Exhibit 15	"Temperature Criteria Options for the Lower Des Plaines River" Final Report to United States Environmental Protection Agency and Illinois Environmental Protection Agency by Chris Yoder and Edward Rankin
Exhibit 16	"Re-evaluation of the Technical Justification for Existing Ohio River Mainstem Temperature Criteria" Chris Yoder, Brian Armitage and Edward Rankin
Exhibit 17	"Thermal Discharge form a Nuclear Power Plant: Predicted Effects on Lake Erie Fish" Jeffrey Reutter and Charles Herdendorf
Exhibit 18	Pages 2-98 through 2-102 from the Lower Des Plaines Use Attainability Analysis (Attachment A to proposal)
Exhibit 19	Table 1. Number, CPE (no./km) and Relative Abundance of all Fish Taxa Collected Electrofishing from the Lower Dresdan Pool
Exhibit 20	MBI Fish Data Sheet (contains 35 pages)
Exhibit 21	Table 1 Boat IBI scores and metrics at boat sites in the Des Plaines River sampled by MBI during 2006
Exhibit 22	R08-9 Illinois Pollution Control Board hearing Question for the Illinois EPA (2-1-08)
Exhibit 23	"Illinois Waterway Navigation Charts" Map Nos. 94-114.
Exhibit 24	"White Sucker ( <i>Catostomus commersoni</i> ) Embryo Development, and Early Growth and Survival at Divergent Temperatures" by J. Howard McCormick, Bernard R. Jones and Kenneth E.F. Hokanson
Exhibit 25	Map entitled "Chicago Area Waterway System and Des Plaines River UAA Segments"
Exhibit 26	Map entitled "Proposed Aquatic Life Use Designation"
Exhibit 27	Map entitled "Proposed Recreational Use Designation"

Exhibit 28	Metropolitan Water Reclamation District of Greater Chicago table entitled "Total Number of Fish Collected from Each Sampling Station in the Chicago Area Waterway System form 2001 through 2005 as part of the ambient Water Quality Monitoring Program"
Exhibit 29	UAA Factor Application to the Lower Des Plaines River and CAWS
Exhibit 30	U.S. Army Corps of Engineers Maps of Illinois Waterway, Map Nos. 109,110, 111
Exhibit 31	Illinois Department of Natural Resources Lake Michigan Tributaries Fish Population Survey, July 27-31, 2006
Exhibit 32	Qualitative Habitat Evaluation Index Scores in the Upper Dresden Island Pool of Des Plaines River
Exhibit 33	Edits to the Lower Des Plaines UAA (Attachment A to the IEPA's Statement of Reasons)
Exhibit 34	Information on Impaired Segments of the Lower Des Plaines River and the CAWS
Exhibit 35	"Evaluation and Development of Large River Biological Assessment Methods and Standardized Protocols for Region V" by Rob Tewes, Erich Emery, and Jeff Thomas
Exhibit 36	Meeting Minutes from the Lower Des Plaines River Workgroup and the CAWS Stakeholders Group
Exhibit 37	Compact disc titled "Yoder CD"
Exhibit 38	Metropolitan Water Reclamation District of Greater Chicago, Research and Development Department Report No. 03-20 "Comparison of Fecal Coliform concentrations and Trends in Two Urban Rivers: The Chicago Sanitary and Ship Canal and The Des Plaines River" October 2003
Exhibit 39	Metropolitan Water Reclamation District of Greater Chicago, Research and Development Department Report No. 04-10 "Estimation of the Escherichia Coli to Fecal Coliform Ration in Wastewater Effluents and Ambient Water of the Metropolitan Water Reclamation District of Greater Chicago" July 2004
Exhibit 40	Chart titled "Illinois Department of Natural Resources DuPage River Basin Survey Stations

Exhibit 41	Chart titled "Illinois Department of Natural Resources Fish Community Sampling Results and Index of Biotic Integrity (IBI), 2003 Des Plaines Basin Survey - mainstream stations"
Exhibit 42	Chart titled "Illinois Department of Natural Resources Fish Community Sampling Results and Index of Biotic Integrity (IBI), 2003 Des Plaines Basin Survey - tributary stations (includes data from 2002 surveys)"
Exhibit 43	Chart titled "Illinois Department of Natural Resources - Fisheries Division Kankakee River Fish Population Survey Results - July, 2005"
Exhibit 44	"The Des Plaines River: Monitoring the Fish Resources of an Urban River (1978- 1990) by David M. Day August 12, 1991
Exhibit 45	Table with headers "Name", "10-Digit HUC", "IEPA Basin", "Assessment Unit ID", "Size (miles)", "Cat.", "Designated Uses/Attainment", "Causes", "Sources"
Exhibit 46	Compact Disc titled "MWRDGC continuous DO and temp data for selected CAW stations"
Exhibit 47	Group of letters from Metropolitan Water Reclamation District of Greater Chicago starting with letter to Michael Garretson, dated August 18, 2006 on reported fish kills
Exhibit 48	Group of tables beginning with table titled "Metropolitan Water Reclamation District of Greater Chicago Ambient Water Quality Monitoring Program Sample Stations"
Exhibit 49	Letter to Toby Frevert of IEPA from Linda Holst USEPA dated May 3, 2007
Exhibit 50	Draft comments from Midwest Generation dated 02/12/07 at bottom
Exhibit 51	Metropolitan Water Reclamation District of Greater Chicago Comments on IEPA Chicago Area Waterways Use Attainability Analysis Draft Standards dated March 16, 2007
Exhibit 52	IEPA document titled "Chicago Waterway/Lower Des Plaines River UAA Major issues related to comments from March 20, 2007 meeting in Joliet
Exhibit 53	Environmental Law & Policy Center comments to Toby Frevert on Use Attainability Analyses for the lower Des Plaines and the Chicago Waterway System, dated April 6, 2007
Exhibit 54	email from Phillip Moy to Toby Frevert dated 3/23/2007

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Exhibit 55	Alliance for the Great Lakes "Protecting Public Health, Caring for Chicago's Waters"
Exhibit 56	Group of documents with email cover sheet from Deana Poe to CAWS UAA; UAA - Des Plaines dated January 26, 2007.
Exhibit 57	"Reconnaissance Report Great Lakes Navigation System Review Appendix D- Chicago Sanitary & Ship Canal" Army Corp of Engineers, June 2002
Exhibit 58	Settlement Agreement between Natural Resources Defense Council and USEPA, and the National Association of Clean Water Agencies
Exhibit 59	Letter from Louis Kollias, Director Research and Development, MWRDGC, to Marcia Willhite, Bureau Chief, IEPA, dated September 5, 2008
Exhibit 60	Prefiled Testimony of Richard Lanyon
Exhibit 61	Attachment 1 Openlands Questions, color photos
Exhibit 62	Prefiled Testimony of William J. Stuba
Exhibit 63	Table entitled "Annual Summaries of Recreational Activities Observations"
Exhibit 64	Trip Log dated 7-16-08, Patrol CAL DO NPDES
Exhibit 65	Prefiled Testimony of Samuel G. Dennison on Recreational Designations
Exhibit 66	Color Photo of Barge on Calumet-Sag Channel looking west from 104th Street Bridge
Exhibit 67	email from Fredric Andes to Marie Tipsord and Susan Hedman listing links to MWRDGC's 2007 and 2008 budget books
Exhibit 68	Prefiled Testimony of Chriso Petropoulou
Exhibit 69	Prefiled Testimony of Charles P. Gerba
Exhibit70	Prefiled Testimony of Keith Tolson
Exhibit 71	Report prepared for MWRDGC by Geosyntec entitled "Dry and Wet Weather Risk Assessment of Human Health Impacts of Disinfection vs. No Disinfection of the Chicago Area Waterways System" April 2008
Exhibit 72	"Dry Weather Risk Assessment of Human Health Impacts of Disinfection vs. No Disinfection of the Chicago Area Waterways System" Review conducted fro US EPA Region 5, Office of Water

Exhibit 73	Compact Disc titled USEPA Correspondence
Exhibit 73a	Compact Disc that is attachments to USEPA Correspondence
Exhibit 74	"Health Effects of white-water canoeing" by L. Fewtrell <i>et al</i> , from <i>The Lancet</i> dated June 27, 1992 (cover page)
Exhibit 75	Table 1 entitled "Illnesses acquired by ingestion of water"
Exhibit 76	Report prepared for MWRDGC by Geosyntec entitled "Interim Phase I Dry Weather Risk Assessment Human Health Impacts of Disinfection vs. No Disinfection of the Chicago Area Waterways System" November 2006
Exhibit 77	Compact Disc entitled "Appendices" "Dry and Wet Weather Risk Assessment of Human Health Impacts of Disinfection vs. No Disinfection of the Chicago Area Waterways System" April 2008
Exhibit 78	Cover page and one page excerpt from "Environmental Microbiology" by Maier, Pepper, and Gerba
Exhibit 79	"The Health Effects of Low-Contact Water Activities in Fresh and Estuarine Waters" by Fewtrell <i>et al.</i> February 1994
Exhibit 80	"Bathroom research reveals surprising data" by Amanda Riddle June 11, 1997
Exhibit 81	MSNBC.com Interview "Is your workplace a bacteria cafeteria" Feb. 16, 2005
Exhibit 82	Openlands Attachment 1 to Prefiled Question of Keith Tolson, color photo
Exhibit 83	"Lease Amendment Agreement Ronan Park Expansion" September 19, 1990
Exhibit 84	Table entitled "Summary of Recreational Season (Chlorinate/Dechlorinated) Effluent Fecal Coliform May 1 through October 31"
Exhibit 85	Compact Disc entitled "Raw Data"
Exhibit 86	USEPA Document entitled "Ambient Water Quality Criteria for Bacteria - 1986" EPA440/5-84-002 (January 1986).
Exhibit 87	Color Photo of two-person Jet Ski
Exhibit 88	September 12, 2008 letter from Chriso Petropoulou of Geosyntec to Thomas Granto of Metropolitan Water Reclamation District of Greater Chicago

Exhibit 89	September 22, 2008 letter from Chriso Petropoulou of Geosyntec to Thomas Granto of Metropolitan Water Reclamation District of Greater Chicago
Exhibit 90	September 22, 2008 letter from Louis Kollias of Metropolitan Water Reclamation District of Greater Chicago to Marcia Wilhite of the Illinois Environmental Protection Agency
Exhibit 91	Twelve tables beginning with "Jan. 2005 Daily Precipitation Counts (inches)" one table for each month
Exhibit 92	Eight tables beginning with "Jan. 2006 Daily Precipitation Counts (inches)" one table for each month through October
Exhibit 93	Prefiled testimony of Earnest R. Blatchley III, with attachments included on compact disc
Exhibit 94	California Health Laws Related to Recycled Water "The Purple Book" Excerpts from the Health and Safety Coed, Water Code and Titles 22 and 17 of the California Code of Regulations June 2001 Edition
Exhibit 95	Color Chart entitled "Facility DSt. Petersburg 2° without Nitrification; Filtration"
Exhibit 96	Article entitled "Wedeco Wins Order In Munich"
Exhibit 97	Article entitled "Rinsend (SBR) Wastewater Treatment Plant Overview"
Exhibit 98	Article entitled "Effects of Disinfectants on Wastewater Effluent Toxicity" by Earnest R. Blatchley III <i>et al. Pergamon</i> 1997
Exhibit 99	Article entitled "Effect of Wastewater Disinfection on Human Health" by Earnest R. Blatchley III
Exhibit 100	Prefiled testimony of Samuel Dorevitch with compact disc of attachments
Exhibit 101	"Health Effects of white-water canoeing" by L. Fewtrell <i>et al</i> , from <i>The Lancet</i> dated June 27, 1992 (complete copy)
Exhibit 102	Article entitled "Bacteriophages are a Better Indicator of Illness Rates than Bacteria Amongst Users of a White Water Course Fed by a Lowland River" by J.V. Lee <i>et al. Pergamon</i> 1997
Exhibit 103	Article entitled "A Probabilistic Risk Assessment of Cryptosporidium Exposure Among Baltimore Urban Anglers" by Jennifer D. Roberts <i>et al. Journal of</i> <i>Toxicology and Environmental Health, Part A</i> (January 1, 2007)

Exhibit 104	Article entitled "Health Hazards Associated with Windsurfing on Polluted Waters" by Eric Dewailly et al. Public Health Briefs June 1986
Exhibit 105	Article entitled "Results of the First Pilot-Scale Controlled Cohort Epidemiological Investigation into the Possible Health Effects o Bathing in Seawater at Langland Bay, Swansea" by F. Jones <i>et al.</i> (February 5, 1991)
Exhibit 106	Two color charts on one page entitled "CAWS activity distribution, 2007 n=350" and "GUW activity distribution, 2007 n=142"
Exhibit 107	Two pages with three Figures, Figure 1 entitled "Aged distribution of unexposed participants, 2007", Figure 2 entitled "Aged distribution of CAWS participants, 2007" and Figure 3 entitled "Aged distribution of GUW participants, 2007"
Exhibit 108	Flow Chart entitled "CHEERS participant Flow"
Exhibit 109	Chart entitle "Example of 'dose-response' graph"
Exhibit 110	Color photo chart entitled "Sources of Risk, by Group"
Exhibit 111	Color Charts entitled "QMRA"
Exhibit 112	Prefiled testimony of Susan O'Connell
Exhibit 113	Prefiled testimony of Greeta Rijal with compact disc of attachments
Exhibit 114	Charts entitled "Figure 18: Geometric means of Fecal Coliform Bacteria at North Area Stations Each Day After Heavy and Light Rainfalls for Three-Day Periods Compared with Dry Weather Densities"
Exhibit 115	Two charts on one page entitled "Figure 1: Estimated FC densities downs stream of the North Side and Calumet WRPs during dry weather (0) and wet weather ([X]with] or [ without disinfection conditions"
Exhibit 116	Prefiled testimony of Adrienne D. Nemura
Exhibit 117	"Citations for Statues and Regulations Referred to in Pre-Filed Testimony of Adrienne D. Nemura"
Exhibit 118	A link to a website on the UAA for Chesapeake
Exhibit 119	Four page document beginning with "Please refer to Report No. 05-15 for Figure and Table Numbers"
Exhibit 120	Indiana Department of Environmental Management Letter from Bruno L. Pigot to Tinka Hyde USEPA Region V dated March 17, 2008

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USEPA Letter from Bharat Mathur to Bruno L. Pigot Indiana Department of Environmental Management dated June 9, 2008
Regulatory language headed at top of page "314 CMR \$:00 Division of Water Pollution Control"
Ohio River Valley Water Sanitation Commission "Wet Weather Standards Proposal"
Document entitled "Background Summary of Proposed Revisions"
State of California, State Water Resources Control Board ORDER WQO 2005- 0004 In the matter of own motion review of failure to modify recreation use standards for Ballona Creek
Compact Disc titled "Blatchley Report"
USEPA Memorandum dated Jan. 24, 1992 on "Request for Views on Allowable Duration of Water Quality Standards Variances"
Water Quality Standards Academy Key Concepts "A Variance: Temporary Modification to Water Quality Standards"
Rules of Department of Natural Resources Division 20 - Clean Water Commission Chapter 7 - Water Quality
Department of Natural Resources Code of State Regulations beginning with "Table A"
"Water Quality Standards: Wet Weather Issues and Recreational Use Protection" by Ephraim King of USEPA
Indiana Department of Environmental Management "Agency nonrule policy document" Effective April 11, 2008
Prefiled testimony and attachments of Stephen F. McGowan
Document entitled "Exhibit 1"
Document from website, first line "eGRID FAQ Clean Energy US EPA"
20 ILCS 3855/1-75
220 ILCS 5/16-127

Exhibit 138	Document entitled "Exhibit 2"
Exhibit 139	Compact Disc entitled "MWRD Precipitation Data"
Exhibit 140	Byappanahalli and Whitman USGS, Great Lakes Science Center, Lake Michigan Ecological Research Station " <i>Escherichia coli</i> Sources and Microbiological Quality of Water Above and Below the Northside Wastewater Reclamation Plant (NSWRP), Metropolitan Water Reclamation District of Greater Chicago (MWRDGC)" Project Period July 15, 2008-July 14, 2009
Exhibit 141	Two tables, first entitled "Mean <i>Escherichia Coli</i> Concentrations (MPN/100ML) in the Water from the North Shore Channel Segment Above and Below the North Side WRP"
Exhibit 142	Three tables, first entitled "Coliform Bacteria Levels (MPN/100mL) in the Storm Sewer Samples Collected During Rain Storm Event on 09/04/08"
Exhibit 143	"Electricity Sources and Emissions" Integrys energy service
Exhibit 144	Prefiled testimony of Charles Haas
Exhibit 145	OEM online "Distribution and determinants of trihalomethane concentrations in indoor swimming pools H. Chu and M J Niuwenhuijsen
Exhibit 146	Prefiled testimony of David R. Zenz
Exhibit 147	Letter to Toby Frevert of Illinois Environmental Protection Agency dated June 22, 2006 from Richard Lanyon Metropolitan Water Reclamation District of Greater Chicago
Exhibit 148	"Review of "Technical Memorandum 1WQ - Disinfection Evaluation Prepared on Behalf of the Metropolitan Water Reclamation District of Greater Chicago" Final Report October 2006 Prepared by Science Applications International Corporation""
Exhibit 149	"UV Disinfection Cost Study Cost Study Report for Metropolitan Water Reclamation District of Greater Chicago Volume 1 of 2 North Side Water Reclamation Plant" January 31, 2008" Prepared by CTE AECOM
Exhibit 150	UV Disinfection Cost Study Cost Study Report for Metropolitan Water Reclamation District of Greater Chicago Volume 1 of 2 Stickney Water Reclamation Plant" September 9, 2008" Prepared by CTE AECOM
Exhibit 151	One page document entitled "Prefiled Questions of the People of the State of Illinois to David R. Zenz" question number 2

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Exhibit 152	Table entitled "UV Disinfection - Capital Cost Estimates"
Exhibit 153	Prefiled Testimony of Thomas E. Kunetz
Exhibit 154	Compact Disc entitled Metropolitan Water Reclamation District of Greater Chicago North Side Master Plan September 9, 2008"
Exhibit 155	MWRDGC - Stickney WRP Infrastructure & Process Needs Feasibility Study "Executive Summary"
Exhibit 156	Selected pages from 2007 Metropolitan Water Reclamation District of Greater Chicago 2007 Budget
Exhibit 157	Selected pages from 2008 Metropolitan Water Reclamation District of Greater Chicago Budget
Exhibit 158	"Selected Plan Technical Memorandum 12 Master Plan Metropolitan Water Reclamation District of Greater Chicago North Side Water Reclamation Plant and Surrounding Chicago Area Waterways" June 2007 submitted by CTE AECOM
Exhibit 159	Prefiled testimony of John Mastracchio
Exhibit 160	Metropolitan Water Reclamation District of Greater Chicago 2007 Budget book in its entirety
Exhibit 161	Metropolitan Water Reclamation District of Greater Chicago 2008 Budget Book in its entirety
Exhibit 162	"Water and Wastewater Pricing An information overview" U.S. Environmental Protection Agency Office of Wastewater Management EPA 832-F-03-027
Exhibit 163	Response to Question #1 from Environmental Law and Policy Center and the Sierra Club
Exhibit 164	"POTW Nutrient Removal in Illinois" Illinois Association of Wastewater Agencies 2003 Study Summary
Exhibit 165	"Analysis of Nutrient Removal Costs in the Chesapeake Bay Program and Implications for the Mississippi-Atchafalaya River Basin" Submitted to Water Environment Federation for 2008 WEFTEC Conference Chicago, Il
Exhibit 166	"Public Commentary" Submitted to the Science Advisory Board Hypoxia Advisory Panel Draft Advisory Report Submitted by O'Brien & Gere
Exhibit 167	Compact Disc entitled "Mississippi River, Whole Body contact Recreation Use Attainability Analysis, July 2005"

- Exhibit 168 "Use Attainability Analysis Mobile River Final" Alabama Department of Environmental Management January 2001
- Exhibit 169 Prefiled testimony of Charles S. Melching
- Exhibit 170 Compact Disc entitled "Other Melching Exhibits"
- Exhibit 171 One page document entitled "Information for Melching Response to IEPA Question 13"
- Exhibit 172 One page document entitled "WEB LINKS IN RESPONSE TO IEPA QUESTIONS FOR MELCHING"
- Exhibit 173 One page document entitled "Information for Melching Response to IEPA Question 40.A."
- Exhibit 174 One page document entitled "Information for Melching Response to IEPA Question 14.G."
- Exhibit 175 "The Qualitative Habitat Evaluation Index [QHEI]: Rationale, Methods, and Application" by Edward T. Rankin dated November 6, 1989
- Exhibit 176 One page document entitled "Information for Melching Response to IEPA Question 18.A."
- Exhibit 177 One page document entitled "Information for Melching Response to IEPA Question 18.D."
- Exhibit 178 One page document entitled "Information for Melching Response to IEPA Question 43.B."
- Exhibit 179 Prefiled testimony of Scudder D. Mackey
- Exhibit 180 Chart entitled "Physical Characteristics of Aquatic Habitat (identical to Figure 1 in Exhibit 179)
- Exhibit 181 Two charts, first entitled "Original QHEI Scores" and second "Corrected QHEI Values"
- Exhibit 182 Calumet-Sag Channel Sidescan Sonar Data State Route 83 Sampling Site
- Exhibit 183 Table entitle "QHEI Metrics in the CAWS"
- Exhibit 184 Table 1. Data Availability, Metrics and Methods (identical to Attachment 3 to Exhibit 179)

Exhibit 185	Sidescan Sonar Mosaic Calumet-Sag Channel
Exhibit 186	Lower Sandusky River Northwest Ohio
Exhibit 187	CD Rom of prefiled testimony of Jennifer Wasik
Exhibit 188	"Development and Evaluation of Consensus-Based Sediment Quality Guidelines for Freshwater Ecosystems" by D.D. MacDonald, C. G. Ingersoll, T. A. Berger, January 13, 2000
Exhibit 189	Picture of Hester Denby
Exhibit 190	"Illinois Benthic Macroinvertebrate Collection method Comparison and Stream Condition Index Revision" Prepared for Illinois Environmental Protection Agency by Tetra Tech, Inc. November 2004, Revised July 2005.
Exhibit 191	Prefiled Testimony of Samuel G. Dennison on Classification of the Calumet-Sag Channel as an Aquatic Live Use B Water
Exhibit 192	Prefiled Testimony of Samuel G. Dennison concerning Justification for an additional Aquatic Lie Use Tie r for Bubbly Creek.
Exhibit 193	Prefiled Testimony of Marcelo H. Garcia, Ph.D
Exhibit 194	"Upstream Intrusion Effect of CSO Event in Bubbly Creek, IL" Xiaofeng Liu, Sumit Sinha, Davide Motta, and Marcelo H. Garcia
Exhibit 195	Chart entitled "Upstream Intrusion Induced by CSO Events" Xiaofeng Liu and Marcelo H. Garcia
Exhibit 196	Research Proposal entitled "Chicago Waterway System Environmental Modeling" by Marcelo H. Garcia
Exhibit 197	Environmental Fluid Dynamics Code (EFDC)
Exhibit 198	List of know EFDC Applications (as of January 2004)
Exhibit 199	"Two-dimensional BOD and DO water quality model for engineering applications: the case of Bubbly Creek in Chicago, Illinois" by Davide Motta, Jorge d. Abad, Xiaofeng Liu and Marcelo H. Garcia
Exhibit 200	.03-3 Water Quality Criteria Specific to Designated Uses from www.dsd.state.md.us/comar/26/26.08.02.03-3.htm

Exhibit 201	Use Attainability Analysis for the federal navigation channels located in tidal portions of the Patapsco River.
Exhibit 202	"Behavioral response to dish larvae to low dissolved oxygen concentrations in a stratified water column" by D. L. Breitburg <i>Marine Biology</i> (1994)
Exhibit 203	"The influence of fish sixe on the avoidance of hypoxia and oxygen selection by largemouth bass" by M.L. Burelson, D.R. Wilhelm, and N.J. Smartresk <i>Journal of Fish Biology</i> (2001)
Exhibit 204	Prefiled Testimony of Paul L. Freedman, P.E., BCEE
Exhibit 205	USEPA document entitled "Use of Biological Information to Better Define Designated Aquatic Life Uses in State and Tribal Water Quality Standards: Tiered Aquatic Life Uses"
Exhibit 206	Upper South Platte River Segment 15
Exhibit 207	38 §464. Classification of Maine waters
Exhibit 208	414 CMR 4.00: Division of Water Pollution Control Massachusetts Surface Water Quality Standards
Exhibit 209	Prefiled Testimony of Samuel G. Dennison concerning Dissolved Oxygen (DO) Standards Proposed for Protecting Aquatic Life in the Designated Aquatic Life Use A Waters and Aquatic Life Use B Waters of the Chicago Area Waterway System
Exhibit 210	"Standard Methods for the Examination of Water and Wastewater" prepared and published jointly by American Public Health Association, American Water Works Association and Water Environment Federation
Exhibit 211	Prefiled Testimony of Stephen F. McGowan "environmental Assessment of Supplemental Aeration and Flow Augmentation Technologies for Increasing Dissolved Oxygen Concentration in the Chicago Area Waterways"
Exhibit 212	From Integrys Energy services "Electricity Sources and Emissions" includes table entitled "Average Amounts of Emissions and Amount of Nuclear Waste from 1000 kilowatt-hours (kWH) Produced form Known sources for the 12 months ending September 30, 2008"
Exhibit 213	Midwest ISO Corporate Information
Exhibit <sup>*</sup> 214	Table entitled "Sources of Electricity Supplied"

Exhibit 215	Table entitled "Comparison of GHG Emission Estimates Based on Original and Updated Emission Factors"
Exhibit 216	Table entitled "Summary of Electrical consumption and Air Emissions for Dissolved Oxygen Aeration"
Exhibit 217	Prefiled testimony of David R. Zenz "Dissolved Oxygen Enhancement Studies"
Exhibit 218	Map entitled "CAWS Aeration Station Locations, Overview of the Waterway System"
Exhibit 219	Table entitled "Table 4 Locations of the proposed new aeration stations in the Chicago Area Waterway System"
Exhibit 220	CD Rom entitled "David Zenz Technical feasibility and cost to meet nutrient standards in Illinois (Consoer Townsend Envirodyne Engineers, Inc. April 14, 2003)."
Exhibit 221	Map entitled "CAWS Aeration Station Locations, Upper North Channel Aeration Stations"
Exhibit 222	Map entitled "CAWS Aeration Station Locations, South Branch Chicago River, Bubbly Creek, Chicago Sanitary and Ship Canal Aeration Stations"
Exhibit 223	Prefiled testimony of John Mastracchio "Economic Assessment for Dissolved Oxygen Enhancement Facilities"
Exhibit 224	CD Rom entitled "John Mastracchio Skokie Park District 2007 Annual Report, Hanover Park 2007 Annual Report"
Exhibit 225	Page of Charts entitled "Attachment 5"
Exhibit 226	Westlaw 33 U.S.C.A. § 1284 (four page document)
Exhibit 227	Westlaw 40 C.F.R. § 35.929-1 (five page document)
Exhibit 228	Appendix B to Subpart E of Par 35 - Federal Guidelines – User Charges for Operation and Maintenance of Publicly Owned Treatment Works
Exhibit 229	USEPA document entitle "User Charge Guidance manual for Publicly-Owned Treatment Works" (two page document)
Exhibit 230	Prefiled testimony of Jennifer Wasik "Cyanide Standard"

- Exhibit 231 Metropolitan Water Reclamation District of Greater Chicago's Response to Certain Questions from December 3, 2008 Hearing Regarding Limitation for Dredging in the Chicago Area Waterway System
- Exhibit 232 MWRDC's document by Research and Development Department "Report No. 04-8 2003 Bubbly Creek Water Quality Improvement Demonstration Project" June 2004