

**Mirant Kendall - NPDES  
EPA Administrative Record Index  
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EPA Doc. #	TYPE	DATE	SUBJECT	AUTHOR	RECIPIENT
1	Document	1/1/02	Charles River Thermal Tolerance Information	Marine Research, Inc.	Agencies
2	Report	6/3/99	GLLVHT Model Information	J.E. Edinger Associates	
3	Memo	6/22/00	Kendall Square Power - Potential Effects to the Aquatic Ecosystem	Szal, Gerald, MassDEP	Nick Prodany, EPA
4	Email	5/30/01	Kendall Station Diffuser Pipe	Callaghan, Todd, MA CZM	Agencies
5	Email	5/31/01	Kendall Model Runs	Callaghan, Todd, MA CZM	Agencies
6	Email	7/19/01	Request Meeting to Discuss Anadromous and Resident Fish Temps	Hill, Michael, EPA	Agencies
7	Memo	11/5/01	Comments on Mirant's 10/24/01 letter "Consideration of the Eutrophication Model"	Callaghan, Todd, MACZM	Mike Hill - USEPA
8	Notes	1/1/00	Some points of concern - Kendall Square	Brady, Phillips, MADMF	Agencies
9	Comments	7/26/01	Modeling 316a Impacts to Anadromous Fish	Szal, Gerald, MassDEP	EPA
10	Memo	8/22/01	Two Issues - Kendall Station permit	Nagle, John, EPA	David Webster, EPA
12	Memo	8/27/01	Charles River Navigation Issues	Nagle, John, EPA	Mike Hill, EPA
13	Email	9/6/01	Michael's Comments to Dick Keller on Yellow Perch and Alewife	Hill, Michael, EPA	Dick Keller - MA DFW
14	Email	9/6/01	Michael's Comments to Todd Callaghan on Kendall NPDES Permit	Hill, Michael, EPA	Todd Callaghan - MA CZM
15	Comments	9/27/01	Comments on Mirant's YP Proposals at 9/24/01 Meeting	Keller, Dick, MA DFW	
16	Comments	9/28/01	CZM Comments on Mirant's 9/13/01 Response Letter	Callaghan, Todd, MA CZM	Agencies
17	E-mail	10/22/01	Proposed Agency Meeting and Review of Kendall Documents	Hutchins, Eric, NMFS	Mike Hill, EPA
18	Letter	10/12/01	CRWA Comments on Proposed Water Quality and Biological Monitoring	Eleria, Anna - CRWA	John Nagle - EPA
19	Document Appendix	7/22/02	DEP Mixing Zone Policy Relative to Brayton Point - Appendix A of NPDES Determination Document	EPA	Brayton Point Station
20	Report	12/8/01	Re: Charles River Lock and Dam Operating Procedures	Metropolitan District Commission	
21	memo	10/11/01	Comments on Mirant's 10/5/01 River Herring Fractional Loss Letter	Hill, Michael, EPA	Permit File
22	Email	12/31/01	Comments on Mirant's Letter on the Timing of Alewife Temp. Limits	Callaghan, Todd, MA CZM	Michael Hill - EPA
23	memo	1/10/02	Evaluation of MKS Intake Temperatures	Hill, Michael, EPA	Permit File
24	Data - Graph	1/15/02	Justification for Not Using Intake Temps. for Summer as Ambient Temp.	Nagle, John, EPA	
25	Email	1/18/02	Response to Recent Info. about Chlorine and Alewives from Kendall	Szal, Gerald, MassDEP	Michael Hill - EPA
26	Email	1/10/02	Largemouth Bass in the 1976 EPA Water Quality Criteria Document	Szal, Gerald, MassDEP	Agencies
28	Email	1/16/02	Re: Mirant's 1/14/02 Letter--Yellow Perch	Callaghan, Todd, MA CZM	Agencies
29	Comments	1/18/02	Yellow Perch--In Defense of a 26.5 degree Celsius Summer Refugia	Keller, Dick, MA DFW	Agencies
30	Email	2/12/02	Comments on Draft 2/8/02 Thermal Limits	Keller, Dick, MA DFW	Agencies

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31	Email	3/8/02	Re: Historic Heatloads	Cooper, Charles, TRC	Michael Hill - EPA, Norm Cowden - Mirant
32	Data - Table	6/3/02	Kendall Intake Temps.--# and % of hours and days over 68 degrees F	Nagle, John, EPA	Agencies
33	Email	6/3/02	Comments Pretaining to Alewife Migration and Light Intensity Effects on the Catchability of anadromous Species	Szal, Gerald, MassDEP	Agencies
34	Report	6/1/02	American Shad: Habitat Requirements and Ancillary Info.	Szal, Gerald, MassDEP	
35	Email	6/11/02	Re: American Shad	Hutchins, Eric, NMFS	Gerald Szal - MassDEP
36	Letter	8/15/02	Consultations with Boating Groups Re: Proposed Monitoring Stations	Cowden, Norm, Mirant	Julie O'Brian - MA MDC
38	Email	9/18/02	Permitting Questions/Answers	Cowden, Norm, Mirant	George Papadopoulos - EPA
39	Data - Table, Graph	9/25/02	1999 and 2000 Kendall Impingement Data by Species	Mirant	George Papadopoulos - EPA
40	Email	9/30/02	Re: Kendall--Herring Temp. Letter	Callaghan, Todd, MA CZM	Agencies
41	Email	10/1/02	Comments on Mirant's 9/25/02 Letter on River Temps.	Callaghan, Todd, MA CZM	Agencies
42	Letter	9/24/02	Kendall Circ Water Intake Limits	Nagle, John, EPA	George Papadopoulos - EPA
43	Email	9/27/02	Kendall--Herring Temp. Letter	Cowden, Norm, Mirant	John Nagle - EPA
45	e-mail	10/9/02	Diffuser Resuspension Response	Williamson, Tim, EPA	John Nagle, EPA
46	Email	10/17/02	Re: New Charles River Dam Document Reference	Doolittle, Mark - MA MDC	George Papadopoulos - EPA
47	Email	11/7/02	Re: Annual Avg. Flows	Callaghan, Todd, MA CZM	George Papadopoulos - EPA
48	Email	10/25/02	Kendall EFH Consultation	Hutchins, Eric, NMFS	John Nagle - EPA
49	Email	10/28/02	Diffuser/Shad Update Request	Doolittle, Mark, MA MDC	William Walshrogalski - EPA
50	Email	11/13/02	Re: Kendall Rolling 12 Month Avg. for Flow	Nagle, John, EPA	Todd Callaghan - MA CZM
51	e-mail	11/14/02	Kendall Station - Diffuser	Voorhees, Mark	Permit File
52	Email	11/22/02	Questions/Concerns from 11/21/02 Meeting with Mirant	Callaghan, Todd, MA CZM	Agencies
53	Email	12/5/02	Diffuser and Needed Antidegradation Review	Voorhees, Mark, EPA	George Papadopoulos - EPA
54	Email	12/6/02	Re: 303(d) Listing for the Charles River Basin	Johnson, Arthur - MassDEP	Mark Voorhees - EPA
55	Email	1/2/03	Re: 12/23/02 Letters from Mirant on Temp. Triggers	Szal, Gerald, MassDEP	Agencies
56	Email	1/10/03	Re: Question on Wet Testing	McDonald, Dave, EPA	George Papadopoulos - EPA
57	Email	1/15/03	Re: Data Requests and Responses to your Questions	Voorhees, Mark, EPA	John P. Reynolds - Mirant
58	Email	1/15/03	Re: Data Requests and Responses to your Questions	Reynolds, J.P., Mirant	Mark Voorhees - EPA
59	Email	1/13/03	Re: Data Requests and Responses to your Questions	Voorhees, Mark, EPA	John P. Reynolds - Mirant
60	Memo	1/13/03	Potential Impacts of Kendall Diffuser on Water Quality	Chapra, Steven C., Tufts	Kathleen Baskin - CRWA
61	Email	1/17/03	1999 Thermistor Data Requests and Responses to Questions	Reynolds, J.P., Mirant	Mark Voorhees - EPA
62	Email	1/31/03	1/24/03 Meeting Follow-up Items	Reynolds, J.P., Mirant	David Webster - EPA
63	Email	2/3/03	Re: Ichthyoplankton Data and VIMS Website	Callaghan, Todd, MA CZM	John Nagle - EPA
64	memo	2/19/03	Lower Charles River low flow conditions volume calculation	Papadopoulos, George, EPA	permit file
65	e-mail	2/19/03	Mirant Kendall draft-compliance monitoring	Hall, Eric, EPA	George Papadopoulos, EPA
66	Email	2/28/03	Response to Mirant In-Stream Temp. Limits Proposals	Callaghan, Todd, MA CZM	John Nagle - EPA
68	Data - Table	3/10/03	Lower Charles Ambient Temp. and Flow Summary June-Sept. 1994-2002		

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70	Email	3/25/03	Mirant Wet Tests	Callaghan, Todd, MA CZM	John Nagle - EPA, George Papadopoulos - EPA
71	meeting notes	4/3/03	Mirant meeting	Papadopoulos, George, EPA	permit file
73	e-mail	4/8/03	Idea to deal with diffuser in permit	Voorhees, Mark, EPA	Elizabeth Mason, EPA
74	e-mail	4/9/03	Idea to deal with diffuser in permit	Webster, David, EPA	MArk Voorhees, EPA
75	Comments	4/18/03	John Reynolds Reply to CZM 4/14/03 Email--Entrainment, Impingement, Barrier Net, etc	Reynolds, J.P., Mirant	Todd Callaghan - MA CZM
76	memo	4/3/03	Agenda for 4/03/03 Mirant meeting	Papadopoulos, George, EPA	permit file
77	memo	5/14/03	MKS - Concerns with Proposed Diffuser	Voorhees, Mark, EPA	David Webster, EPA
79	Email	6/17/03	Re: Mirant Memo--Diffuser	Zimmerman, Robert, CRWA	Ralph Child - Mirant
80	memo	5/24/04	Request for opinion on 316(b)	Grubbs, Geoffrey, EPA	Linda Murphy - EPA
81	Data - Table, Graph	6/1/01	Lower Charles River Low Flow Data	USGS	
82	Report	2/23/90	MA QWS Implementation Policy for Control of Toxic Pollutants in SW	MassDEP	
83	Data - Table, Graph	11/27/03	Background Data Info. as Related to Permit Limit Development	Various	Agencies
84	Fax	10/1/01	Various Data on Fish Runs--Anadromous Fish Management	Hill, Michael, EPA	Charlie Cooper - TRC
85	e-mail	5/28/02	CZM/DEP Comments on Mirant's 5/20/02 letter	Callaghan, Todd, MACZM	Mike Hill, EPA
86	Data - Graph	2/1/01	Thermal Tolerance Data of Various Fish (from Kendall Permit Application)	Mirant	
87	Data - Graph	6/1/02	Merrimack River Herring Runs 1983-2001 Data (# of Herring and Degree F)		
88	Document	3/26/01	Critical Temp. Info. of Various Fish and Abstracts of Articles	Various	
89	Article	1/1/88	Alewife, Gaspereau. Atlantic Fishes of Canada, 1998.	Scott, W.B., Scott, M.G.	
90	Article	1/1/98	River Continuum and Fish Migration-- Understanding Ecological Integrity	Jungwirth, Mathias	
91	Report	12/1/83	Habitat Suitability Information: Yellow Perch. U.S. Fish Wildl. Sefv., (faxed to Mike Hill 7/26/01)	Krieger, D.A., Terrell, J.W.	
92	Report	7/1/86	Life Histories and Env. Requirements of Coastal Fishes and Invertebrates--Alewife/Blueback Herring	Mullen, D.M.	
93	Email	8/13/01	More on Perch HSI	Callaghan, Todd, MA CZM	Agencies
94	Email	8/13/01	Re: MDFW Follow-up on 8/16/01 Meeting--YP	Keller, Dick, MA DFW	Michael Hill - EPA
95	Email	8/10/01	Perch Habitat Suitability Index	Callaghan, Todd, MA CZM	Agencies
96	Email	8/9/01	Herring Runs and Response from Eric Hutchins	Callaghan, Todd, MA CZM	Gerald Szal - MassDEP
97	Email	8/8/01	Re: JP Comments--Some Permit Conditions	Hutchins, Eric, NMFS	Paul Sneeringer - USACE
98	Email	8/8/01	JP Comments	Sneeringer, Paul, USACE	Agencies
99	e-mail	8/8/01	Alewives	Szal, Gerald, MassDEP	Agencies
100	Email	8/8/01	Herring Run Plots	Szal, Gerald - MassDEP	Agencies
101	Email	8/6/01	Re: More Alewife Info.--Temp. Limits	Hutchins, Eric, NMFS	Michael Hill - EPA
102	Email	8/6/01	Blueback Herring Runs	Hutchins, Eric, NMFS	Michael Hill - EPA
103	Email	6/27/01	CZM's Comments on the Latest Modeling Runs	Callaghan, Todd, MA CZM	Michael Hill - EPA

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104	Data - Table	1/1/91	Alewife and blueback herring, S.L. Funderburk et al. Habitat requirement for Chesapeake Bay living resources, 2nd edition. EPA Ches. Bay Program.	Klauda et al.	
105	memo	8/22/02	Temperature Limits for MKS	Szal, Gerald, MassDEP	Agencies
106	Data - Table	6/3/02	Kendall Intake Temps.-- 5/1-14, 5/32-31, and 6/1-7 1994-2000	Nagle, John, EPA	Agencies
107	Data - Graph	12/1/01	Charles River Avg. Temps. and Proposed Limits--1994-2001	Nagle, John, EPA	Agencies
108	Letter	8/27/01	Clearification of Merrimack River Temp. Data and Herring Counts (Letter Faxed to Mike Hill 2/14/02)	Iwanowicz, Rusty, MA DMF	Robert Lawton - MA DMF
109	Data - Graph	12/1/01	Avg. Water Temps., Merrimake and Charles vs Total Merrimack Herring Count--2001	Nagle, John, EPA	Agencies
110	Data - Table	11/26/01	Charles River Hydrographic Data for 2001 (Charles River Old Channel Station and MIT Station)	Mirant	EPA
111	Data - Table	1/1/01	Charles River Watershed Association River Data--10/96-12/00	CRWA	Agencies
112	letter	11/19/02	Cooments and review of 11/5/02 Mirant letter - Seine and Gillnet data	Szal, Gerald, MassDEP	John Nagle, EPA
113	Data - Table, Graph	11/27/01	Data from Some River Herring Runs in MA and NH--1983-2000	Szal, Gerald, MassDEP	Agencies
114	Memo	11/26/01	Charles River Sonic Tracking of Blueback Herring--May-July 2001	Scherer, M., MRI	Agencies
115	Data - Graph	11/27/01	Comparison Between Charlestown Damn and Boston Harbor Temps.--6/99-10/99 (from 2/01 application)	Mirant	Agencies
116	Data - Graph	11/27/01	Maximum Daily Kendall Station Intake Temps.--1992-2001 (from 2/01 application)	Mirant	Agencies
117	Data - Graph	1/1/02	Watertown Dam Surfacewater Temps.--1993-2000 (DEP 2002, Unpublished Data Survey)	MassDEP	Agencies
118	Data - Graph	1/1/02	Graphs Relating Temp., Date, and Alewife Count for Various Rivers--Lamprey, Cochero, Taylor, Oyster, and Exeter--1999 (DEP 2002, Unpublished Data Survey)	MassDEP	Agencies
119	Data - Table, Graph	1/1/02	Data Relating Avg. Daily Water Temp. and River Herring Returns to the Merrimack River--1983-2001 (DEP 2002, Unpublished Data Survey)	MassDEP	Agencies
120	Data - Graph	1/1/02	Merrimack River Temps vs Herring Counts Plotted Along a Time Scale--1983-2000 (DEP 2002, Unpublished Data Survey)	MassDEP	Agencies
121	Data - Graph	10/9/01	Merrimake, Mean Temp. Data (in degree fahrenheit) for May-June 1983-2001 (DEP 2002, Unpublished Data Survey)	MassDEP	Agencies
122	Data - Graph	10/9/01	1997-2000 Exeter River Herring Runs0--Cumul. Frequency vs Degrees Celsius (DEP 2002, Unpublished Data Survey)	MassDEP	Agencies

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123	Data - Graph	1/1/02	1997-2000 Cochecho River Herring Runs--Cumul. Frequency vs Degrees Celsius (DEP 2002, Unpublished Data Survey)	MassDEP	Agencies
124	Data - Graph	1/1/02	2000 Lamprey River Alewife Run--Cumul. Frequency vs Degrees Celsius (DEP 2002, Unpublished Data Survey)	MassDEP	Agencies
125	Data - Table, Graph	1/1/02	Blueback and Alewife Counts for Major Run Events in Various Rivers (Parker, Little, Essex, Lamprey, and Oyster Rivers) and Temp. Data--1997-2001	Stevenson, Rob, PRCWA	Michael Hill - EPA
126	Data - Table	1/1/98	MWRA, Charles River Temps.--5/98-7/98	MWRA	Agencies
127	Data - Graph	1/1/93	American Shad Field Sampling, Charles River Spring Temps. at Watertown Fishway, and Fall Temps. at Moody Street Dam--1984-1987, 1991, 1992	Brady, Phillips, MA DMF	Agencies
128	Letter	1/8/02	Comments on Mirant Kendall LCC 12/21/01 Communication to Mr. Mike Hill (Letter Faxed to Mike Hill and Norm Cowden)	Brady, Phillips, MA DMF	Robert Lawton - MA DMF
129	Data - Graph	8/1/01	Mirant Proposed Max. Avg. vs Agency Recommended Critical Temps. for Various Fish in the Charles	Hill, Michael, EPA	Agencies
130	Email	8/23/01	Data on Temps., Delta T, and Flow for Mirant Kendall	Callaghan, Todd, MA CZM	Agencies
131	Report	12/1/92	Fish Passage Modification Charles River Dam Boston, Massachusetts. Feasibility (Section 1135) Report and Environmental Assessment.	USACE	Agencies
132	Data - Graph	1/1/02	Plots of Temp. and Run Size for Various Rivers (Parker, Bournedale, Merrimack, and Lamprey Rivers) Over Various Time Periods (DEP 2002, Unpublished Data Summary)	MassDEP	Agencies
133	Email	7/10/01	Yellow Perch--Status in Charles and Spawning	Keller, Dick, MA DFW	Michael Hill - EPA
134	Data - Table	6/1/01	Literature Review of Temp. Effects on Blueback Herring and Alewife as done by Gerald Szal	Szal, Gerald - MassDEP	Agencies
135	Data - Table	6/1/01	Literature Review of White Sucker Temp. Effects as done by Gerald Szal (?)	Szal, Gerald, MassDEP	Agencies
136	Data - Table	6/1/01	Literature Review of Yellow Perch Temp. Effects as done by Gerald Szal (?)	Szal, Gerald, MassDEP	Agencies
137	memo	11/17/03	Briefing Package for 11/19/03 meeting w/DEP and Mirant	Papadopoulos, George, EPA	Ira Leighton, EPA
138	Fax	6/28/01	White Perch Critical Temp. References and Data	Lawton, Robert, MA DMF	Michael Hill - EPA
139	memo	3/8/04	Comments on draft permit and determination document	Callaghan, Todd, MACZM	EPA
140	Report	12/1/67	Temperature and aquatic life, Laboratory investigations--No. 6. U.S. Dept. Int. Fed. Water Poll. Control Admin. Cincinnati, Ohio.	Holdaway, J.L. et al.	

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141	Report	1/1/69	A Systems Analysis of Aquatic Thermal Pollution and Its Implications, Volume II Technical Report. Travelers Research Corporation. Report 7743-341b.	Cheney, P.B., et al.	
142	Report	2/1/71	An Argument for the Open Ocean Siting of Coastal Power Plants. CWR 10-10	Tarzwel, Clarence M., EPA	
143	Report	1/1/73	Thermal Pollution Control in Massachusetts Coastal Waters. MA Water Resources Comm. Div. Water Pollution Control. Publication No. 6505.	Elwood, John R.	
144	Report	1/1/77	Thermal Loading of Natural Streams. Geological Survey Professional Paper 991.	Jackman, Alan P.; USGS	
145	Report	7/1/93	Evaluation of Habitat Suitability Index Models for Riverine Life Stages of American shad, with Proposed Models for Premigratory Juveniles. U.S. Dept. Int. Fish Wildl. Serv. Biological Report 14.	Ross, R.M., et al. - USFWS	
146	Report	4/1/02	Analysis of Thermal Discharge Prepared for Gilette Company, Boston, MA	Shanahan, Peter	
147	Memo	6/9/92	Thermal Discharge/NPDES Review--Applicable State Water Quality Standards	Kimball, Warren A., MassDEP	
148	Report	5/1/96	Generic Environmental Impact Statement for License Renewal Nuclear Plants (NUREG-1437 Vol. 1)--Environmental Impacts of Operation	US NRC	
149	Report	6/1/81	Charles River Lower Basin Artificial Destratification Project. U.S. EPA, Office of Research and Development.	Ferullo, A.F. et al. - EPA	
150	Report	1/1/00	Spatial Distribution, Temporal Variability, and Chemistry of the Salt Wedge in the Lower Charles River, MA, June 1998-July 1999. USGS, WRIR 00-4124.	Breault, R.F., et al.	
151	Report	1/1/00	Distribution and potential for adverse biological effects of inorganic elements, organic compounds in bottom sediment, Lower Charles River; USGS, Northbrough, MA	Breault, R.F., et al.	
152	Document	3/26/01	Potential Health Issues Associated with Blue-Green Algae Blooms in Lake Champlain	State of VT	
153	Report	11/1/01	Clean Charles 2005 Water Quality Report 2000 Core Monitoring Program. U.S. EPA, Office of Environ. Measurement and Evaluation.	EPA	
154	Report	6/1/03	USGS Study--Storm Water and Mainstem Loads of Bacteria, Nutrients, and Selected Metals, Lower Charles River Watershed, MA	USGS	
155	Meeting Handouts	7/18/02	Data from 7/18/02 Eutrophication Meeting with Mirant Kendall	Mirant	
156	Map	2/1/01	CRWA Map of the Charles River Basin (modified by TRC)	TRC	

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157	Report	12/1/02	EPA Clean Charles 2005--Core Monitoring Summary Report for 2002	EPA	
158	Report	4/14/03	Charles River Data Report for 2002--Preliminary Data	EPA	
159	Presentation	6/16/03	Summary of MWRA Bacterial Monitoring 1989-2001: Long Term Trends in Indicator Bacteria and Virus Concentrations in the Charles	MWRA	
160	Letter	6/19/00	Opinion on Potential Impacts of Equipment Upgrade Project	Keller, Dick. MA DFW	Charlie Cooper - TRC
161	Letter	10/31/00	EPA new source determinations for Kendall Square Project and Canal Redevelopment Project	Webster, David, EPA	Norm Cowden - Mirant
162	Letter	12/19/00	Kendall Square Upgrade Project--Conflicts with MA Water Quality Standards and DEP's Mixing Zone Policy	Haas, Glenn, MassDEP	Norm Cowden - Mirant
163	Letter	3/20/01	Request for Output from Modeling Runs	Glenn Haas - MassDEP	Norm Cowden - Mirant
164	Letter	4/5/01	EPA Comments on Proposed Study Plan for Sonic Tracking of River Herring	Hill, Michael, EPA	Norm Cowden - Mirant
165	Letter	6/18/01	File No. 1999-01073--Permit Application to Install Diffuser	Webster, David, EPA	Karen Kirk Adams - USACE
166	Letter	7/9/01	EPA Comments Regarding Kendall Upgrade Project on the 2/01, NPDES Application; Eutrophication and DO Modeling	Hill, Michael, EPA	Norm Cowden - Mirant
167	Letter	7/16/01	EPA Comments Regarding Kendall Upgrade Project	Hill, Michael, EPA	Norm Cowden - Mirant
168	Letter	9/13/01	File No. 1999-01073--Construction and Continued Monitoring of Diffuser	Webster, David, EPA	Karen Kirk Adams - USACE
169	Letter	12/5/01	Re: Initial Comments on the Water Quality Model to Study Algal Dynamics in the Charles River	Hill, Michael, EPA	Norm Cowden - Mirant
170	Letter	12/21/01	EPA Comments on Submissions for NPDES Permit Renewal	Hill, Michael, EPA	Norm Cowden - Mirant
171	Letter	1/2/02	Re: Confirmation of Application for All Applicable Water-Related permits	Weinberg, Phil - MassDEP	Norm Cowden - Mirant
172	Letter	3/21/02	Re: Kendall Project NPDES Permit Process	Webster, David, EPA	Norm Cowden - Mirant
173	Meeting Notes	6/3/99	Introductory Meeting Sign-in, Agenda, Notes, and Handouts of Current/Proposed Upgrades	EPA/Mirant	
174	meeting notes	9/22/99	Some fish issues concerning MKS	Prodany, Nick, EPA	Agencies
175	Meeting Notes	9/8/99	Sign-in sheet for the 9/8/99 Lower Charles River Basin Meeting	EPA	
176	Meeting Notes	2/29/00	Notes and Sign-in from the 2/29/00 Meeting with Mirant	EPA	
177	Presentation	2/29/00	Slides from the Presentation and Discussion Updating Status of the SE Kendall DEIR Comment/Responses	Mirant	EPA
178	Meeting Handouts	2/29/00	USGS Charles River Monitoring Results--DO--1998-1999--Handout from the 2/29/00 Meeting	USGS	EPA
179	Meeting Notes	5/31/00	Notes and Sign-in from 5/31/00 Mirant/EPA Meeting	EPA	
180	Presentation	5/31/00	Slides of Dissolved Oxygen Modeling Update Discussion--Meeting Notes 5/31/00	Mirant	EPA

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181	meeting notes	11/7/00	November 7, 2000 Kendall meeting	Prodany, Nick, EPA	Agencies
182	Meeting Notes	11/13/00	Sign-in, Notes, and Agenda from 11/13/00 Regulatory Meeting with Mirant		
183	Meeting Handouts	10/1/85	Fisheries Management Report No. 6--Fishery Management Plan for American Shad and River Herrings (Table V-3)--Handed out at 11/13/00 Meeting	ASMFC	EPA
184	Letter	10/31/00	Re: Proposed Monitoring for the Kendall Equipment Upgrade Project	Cowden, Norm, Mirant	Julia Bowdoin - CCC
185	Meeting Notes	7/18/01	Sign-in Sheet from 7/18/01 Meeting with Mirant		
186	meeting notes	8/2/01	MKS NPDES Application Review Team Meeting	Hill, Michael, EPA	Agencies
187	Meeting Handouts	8/2/01	Rel. Abund. vs Temp. Plotted against Time for Alewife, Blueback Herring, and Yellow Perch--Handout from 8/2/01 Meeting		
189	Meeting Notes	8/16/01	Sign-in Sheet for 8/16/01 Meeting with Mirant		
190	meeting notes	8/24/01	MKS Diffuser, Eutrophication and Trace Metals Cycling Impacts	Voorhees, Mark, EPA	John Nagle, EPA
191	Meeting Notes	8/30/01	Sign-in and Agenda for 8/30/01 Meeting with Mirant		
192	meeting notes	11/8/01	Agency meetings from 11/8/01 to 2/20/02	Hill, Michael, EPA	Agencies
193	meeting notes and handouts	4/8/04	April 8, 2004 meeting with Agencies and Mirant at EPA Boston office	Papadopoulos, George	File
194	memo	5/2/04	MKS NPDES Permit Update	Webster, David, EPA	Various EPA
195	letter	4/28/04	Mirant Kendall Application to Deactivate Generators	Konary, Shawn, Mirant	George Papadopoulos, EPA
196	Meeting Handouts	2/20/02	Temp. and Salinity Data--8/99-9/99 at MOS Lock and Station MP-7--Handed out at 2/20/02 Meeting	Mirant	EPA
197	Meeting Handouts	2/20/02	In-Zone Transect Map and Cross-Sectional View, and 1992-2001 Kendall Intake Temp. Graphs--Handed out at 2/20/02 Meeting	Mirant	EPA
198	Presentation	3/5/02	Slides of the Management Review--Status of the Draft NPDES Fact Sheet and Permit for Kendall	Hill, Michael, EPA	Agencies
199	Meeting Notes	3/5/02	3/5/02 Kendall Permit Management Review Meeting Agenda	EPA	Agencies
200	memo	10/2/03	Background regarding MKS Controlled Correspondence	Webster, David, EPA	Robert Varney, EPA
201	Meeting Handouts	8/1/02	Kendall Equipment Upgrade Project Diagram	Mirant	EPA
202	draft permit	6/8/04	MKS draft permit, fact sheet and determination document	EPA	Mirant Kendall
203	Meeting Handouts	6/1/02	Kendall Repowering Project--Joining EPA/DEP NPDES Discussion	Mirant	Agencies
204	Memo	5/30/02	Potential Issues of Concern for MKS NPDES Permit	Hill, Michael, EPA	Bob Varney, EPA
205	Meeting notes	11/13/02	November 13, 2002 meeting with Mirant	Papadopoulos, George, EPA	Permit File
206	Meeting Notes	11/27/02	Sign-in Sheet for 11/27/02 DEP HQ Meeting with Mirant		
207	memo	3/4/03	Call with Ralph Child	Webster, David, EPA	Elizabeth Mason, EPA
208	meeting notes	5/19/03	EPA/MADEP meeting for MKS pre-draft permit	Papadopoulos, George, EPA	permit file



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209	Comments	12/5/01	Comments on Mirant Kendall Square Station Upgrade Permit Application (Attachment to Doc. # 169)	Hamrick, John, TetraTech	Norm Cowden - Mirant
210	Article	1/1/01	Effect of Downstream Control on Stability and Mixing of a Vertical Plane Buoyant Jet in Confined Depth. Journal of Hydraulic Research, 39(4): 375-391. (Attachment of Doc. #169)	Kuang, C.P.	Norm Cowden - Mirant
211	Document	10/25/01	Questions and Answers about Reverse Osmosis (RO)	Remco Engineering	
213	data	9/1/02	MWRA Station 007 water temperature data	MWRA	John Nagle, EPA
214	data	12/30/02	MKS Heat Load from Logbook data - summer 2000-2002	Mirant	John Nagle, EPA
215	Letter	12/23/02	Performance Management Plan for the Mirant Kendall, L.L.C. Intake Barrier Screen	Reynolds, J.P., Mirant	David Webster - EPA
216	Document	8/1/00	Mirant's Barrier Net Demonstration May-July 2000-- Summary of Results	Mirant	
217	Document	2/1/01	Mirant Kendall Repowering Project--Intake Barrier Net Operations and Maintenance	Mirant	
218	Document	12/18/02	NY Lovett Draft SPDES Permit 0005711--Additional Conditions	NYSDEC/Division of Water	
219	data	2/1/03	MWRA Station 006 temperature data	MWRA	John Nagle, EPA
220	Memo	1/4/02	Final Agency Reveiw for the Proposed Rule to Minimize Adverse Environmental Impacts from Cooling Water Intake Structures at Existing Facilities	Varney, Robert W., EPA	Paul Lapsley - EPA
221	Document	6/1/04	Gunderboom Engineered Underwater Containment System	Gunderboom - H.B. Dreyer	EPA
222	Document	6/1/04	Johnson Intake Screens: Higher Capacity and Superior Fish Protection	Johnson Screens - Mark E. Watson	EPA
223	Document	5/1/02	Habitat Hotline Atlantic--Volume IX, No. 1	ASMFC	Ralph Abele - EPA
224	data	12/1/02	Internal Data Analysis of MKS Intake Temperatures, May 1-14, 2002	Mirant	John Nagle, EPA
225	Memo	12/28/00	Implementations of Section 316(b) in NPDES Permits	Cook, M.B., EPA	Water Division Directors, Regions I-X
226	Report	5/1/77	Guidance for Evaluating the Adverse Impact of CWIS on the Aquatic Environment: Section 316(b). USEPA, Office of Water Enforcement (Attachment to # 225)	EPA	
227	Report	4/4/94	Preliminary Regulatory Development Section 316(b) of the CWA. Background Paper #3: CWIS Technologies. USEPA, Office of Wastewater Enf. and Comp. (Attached #225)	SAIC for the EPA	
228	Report	9/30/96	Supplement to Background Paper 3: Cooling Water Intake Technologies. U.S. EPA, Office of Wastewater Management. (Attachment to Doc. # 225)	SAIC for the EPA	
229	data	12/1/02	Internal Data Analysis of MKS Intake Temperatures, May 23-31, 2002	Mirant	John Nagle, EPA
230	Document	6/1/04	YSI Environmental Products	YSI - Kevin J. McClury	EPA

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231	Report	12/15/02	Taunton River Water Supply Project - Proposed Intake Modifications	Metcalf & Eddy	EOEA/MEPA
232	Article	2/9/73	"Response of Phytoplankton to Thermal Stress" from the Proceedings of the Second Workshop on Entrainment and Intake Screening, Report No. 15	Gurtz, Martin E.	
233	Report	1/1/69	A Systems Analysis of Aquatic Thermal Pollution and Its Implications, Volume I Summary Report. Travelers Research Corporation. Report 7743-341a.	Cheney, Philip C.	
234	Article	9/1/00	Fish protection technologies: A status report. Environmental Science & Policy: 3(Supplement 1): S349-S359.	Taft, E.P., Alden Research Lab	
235	Letter	6/13/03	Mirant Kendall NPDES Renewal Permit MDC Aerator Data	Reynolds, J.P., Mirant	David Webster - EPA
236	Email	3/12/03	Results of MRI Alewife Tracking Study	Callaghan, Todd, MA CZM	John Nagle - EPA
237	Letter	2/10/03	NPDES Renewal Permit and 316(a) Variance Request-- Further Info. Regarding Protective In-Stream Temps.	Reynolds, J.P., Mirant	David Webster - EPA
238	Letter	1/31/03	Excerpt from Input File to 12/17/01 Residual Chlorine Model Run	Cooper, Charles, TRC	George Papadopoulos - EPA
239	Letter	12/31/02	Mirant Diffuser Design	Cooper, Charles, TRC	Mark Voorhees - EPA
240	Letter	12/23/02	Charles River Data Collected by Mirant (prepared by Mike Scherer - MRI)	Cooper, Charles, TRC	Mark Voorhees - EPA
241	Letter	12/23/02	NPDES Renewal Permit and 316(a) Variance Request for Kendall--Mirant's Issues as of 12/23/02	Reynolds, J.P., Mirant	David Webster - EPA
242	data	3/1/02	Charles River water temperatures; May 1998 - July 1998	MWRA	John Nagle, EPA
243	Email	11/18/02	Kendall--Agenda for 11/21/02 EPA Meeting	Cowden, Norm, Mirant	George Papadopoulos - EPA
244	Letter	11/5/02	Depth Distribution Information for Kendall NPDES Permit	Cowden, Norm, Mirant	John Nagle - EPA
245	data	2/1/03	Data Evaluation; Merrimack River fish count data	Nagle, John, EPA	permit file
246	Letter	10/23/02	Summer 2002 Data and Potential Permit Conditions to Address--Aesthetic/Eutrophication Issues	Cowden, Norm, Mirant	Mark Voorhees - EPA
247	Letter	10/21/02	Mirant Kendall Impediment on the Potential Recovery of American Shad	Colosi, Peter, NMFS	Glenn Haas - MassDEP
248	Letter	9/30/02	DMF Support of Temp. Limits to Protect American Shad	Diodati, Paul, MA DMF	Glenn Haas - MassDEP
249	Letter	9/25/02	Requested Info. for Kendall Permit--Intake Temps., River Temps., and Heat Load Info.	Cowden, Norm, Mirant	John Nagle - EPA
250	data	3/1/03	Charles River raw water quality data	MWRA	John Nagle, EPA
251	Letter	7/24/02	Draft Permit Conditions to Address Aesthetic/Eutrophication Impacts	Cowden, Norm, Mirant	Mark Voorhees - EPA
252	Letter	6/19/02	Young of Year Blueback Thermal Tolerance	Cowden, Norm, Mirant	Michael Hill - EPA
253	Letter	6/19/02	Monitoring Locations	Cowden, Norm, Mirant	Michael Hill - EPA
254	Letter	5/31/02	Requested Data Regarding Herring	Cowden, Norm, Mirant	Michael Hill - EPA

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255	Letter	5/20/02	Additional Data Regarding Thermal Limits	Cowden, Norm, Mirant	Michael Hill - EPA
256	Email	5/20/02	Reminder: Kendall Meeting 5/23/02	Hill, Michael, EPA	Agencies
257	Letter	5/14/02	Additional Data Regarding Alewife Thermal Limits--Location and Temp. Conditions Associated with Gill Net Results	Cowden, Norm, Mirant	Michael Hill - EPA
258	Letter	5/3/02	Additional Data Regarding Alewife Thermal Limits--Depth Distribution and Relative Abundance from 1998 and 1999	Cowden, Norm, Mirant	Michael Hill - EPA
259	Letter	3/26/02	River Temp. Compliance Program	Cowden, Norm, Mirant	Michael Hill - EPA
260	Letter	3/19/02	Permit Flexibility for Monitoring Location and Methodology	Cowden, Norm, Mirant	Michael Hill - EPA
261	Letter	1/14/02	Yellow Perch Temp. Limits	Cowden, Norm, Mirant	Michael Hill - EPA
262	data	11/13/03	Charles River gillnet data	Mirant	John Nagle, EPA
264	Letter	11/7/01	Fractional Loss and Intake Temps.	Cowden, Norm, Mirant	Michael Hill - EPA
265	Letter	11/6/01	River Volumes	Cowden, Norm, Mirant	Michael Hill - EPA
267	Letter	10/12/01	Kendall Upgrade Project--Requested Info.--Amendment to the Federal Consistency Certification	Cowden, Norm, Mirant	Thomas Skinner - MA CZM
269	Letter	10/5/01	River Herring Fractional Loss Calculations	Cowden, Norm, Mirant	Michael Hill - EPA
270	Letter	9/13/01	Requests for Info.--Thermal Modeling, River Temp. Compliance, Intake Barrier Net, Water Quality and Biological Monitoring	Cowden, Norm, Mirant	Michael Hill - EPA
271	Document	8/24/01	Proposed Diffuser Eutrophication and Trace Metal Cycling Impacts	EPA	
272	Letter	8/14/01	Info. Regarding: Proposed Daytime Thermal Limit, YP Evaluation, and Thermal Data for Shad, Smelt, and Striped Bass	Cowden, Norm, Mirant	Michael Hill - EPA
274	Letter	7/9/01	CZM Federal Consistency Review of Kendall Upgrade Project (letter faxed to John Hagle by Todd Callaghan 7/12/01)	Skinner, Thomas W., MA CZM	Charlie Cooper - TRC
276	memo	9/30/02	Informational Document - Thermal Tolerance of Alosid Fishes in Charles River	Szal, Gerald, MassDEP	Agencies
277	Letter	4/24/02	Water Treatment System Details--Correction to Error in Calculations of TSS	Cowden, Norm, Mirant	Michael Hill - EPA
278	Letter	4/11/02	Water Treatment System Details	Cowden, Norm, Mirant	Michael Hill - EPA
279	Letter	2/14/01	Supplement to the 1993 Application for Reissuance of the NPDES Reapplication	Cowden, Norm, Mirant	David Webster - EPA, Glenn Haas - MassDEP
280	Presentation	2/22/01	Slides of NPDES Permitting Summary--Presentation by Southern Energy on Permit Application	Southern Energy	EPA
281	Letter	3/28/01	Fish Tagging and Tracking Program; Zone and Edge of Zone Temp. Limits; and Attached Study Plan for Sonic Tracking of River Herring	Cowden, Norm, Mirant	David Webster - EPA, Glenn Haas - MassDEP
283	Letter	4/20/01	Re: EPA Comments on Proposed Study Plan for Sonic Tracking of River Herring	Cowden, Norm, Mirant	Michael Hill - EPA

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284	Memo	4/20/01	Meeting to Discuss Temp. Effects on Resident Important Species	Cowden, Norm, Mirant	Agencies
285	Document	5/3/01	Study Plan for Sonic Tracking of River Herring--5/3/01 Revision	Marine Research	
286	Letter	5/11/01	EPA Comments on 5/3/01 Revised Study Plan for Sonic Tracking of River Herring	Hill, Michael, EPA	Norm Cowden - Mirant
287	Letter	6/25/01	Aeration Factor	Cowden, Norm, Mirant	Mark Voorhees - EPA
288	Document	8/30/01	In-stream Water Quality and Biological Monitoring During Project Operations--Discussion Draft	Mirant	
289	Letter	9/14/01	Requested Eutrophication Modeling Analysis	Cowden, Norm, Mirant	Michael Hill - EPA
290	Letter	9/24/01	Key Info. on Alewife Thermal Tolerance	Cowden, Norm, Mirant	Michael Hill - EPA
292	Memo	9/28/01	Charles River Sonic Tracking (Handed out at 11/8/01 Meeting)	Scherer, M., MRI	
293	Letter	10/5/01	Additional Temp. Model Run Results	Cowden, Norm, Mirant	Michael Hill - EPA
294	Letter	10/5/01	Proposed Temp. Limits, Including Associated Fish Monitoring Times	Cowden, Norm, Mirant	Michael Hill - EPA
295	Report	1/1/01	Biodegradation in the Charles River	Mirant	Agencies
296	Letter	10/16/01	Fate of Trace Metals in the Lower Charles River Basin	Cowden, Norm, Mirant	Michael Hill - EPA
297	Letter	10/24/01	Consideration of the Eutrophication Model	Cowden, Norm, Mirant	Michael Hill - EPA
298	Letter	10/31/01	Spring Thermal Limits	Cowden, Norm, Mirant	Michael Hill - EPA
299	Letter	11/6/01	Chill Period Limits for Yellow Perch	Norm Cowden - Mirant	Michael Hill - EPA
300	Letter	11/6/01	Summer Thermal Limits	Cowden, Norm, Mirant	Michael Hill - EPA
301	Letter	11/6/01	Diffuser Construction	Cowden, Norm, Mirant	Michael Hill - EPA
302	Memo	11/12/01	Charles River Sonic Tracking--11/12/01 Version	Scherer, M., MRI	
303	Letter	11/16/01	Winter Chill Period	Cowden, Norm, Mirant	Michael Hill - EPA
304	Letter	11/29/01	Summary of 11/16/01 Meeting--Temp. Limits	Cowden, Norm, Mirant	Michael Hill - EPA
305	Letter	12/6/01	Residual Chlorine Analysis	Cowden, Norm, Mirant	Michael Hill - EPA
306	Letter	12/10/01	Water Treatment Return Water to River	Cowden, Norm, Mirant	Michael Hill - EPA
307	Letter	12/12/01	Kendall Equipment Upgrade Project--Water Discharge to Charles River	Cowden, Norm, Mirant	Mark Dolittle - MA MDC
308	Letter	12/19/01	Startup of Water Treatment System	Cowden, Norm, Mirant	Michael Hill - EPA
309	Letter	12/20/01	Eutrophication Monitoring in Charles River	Cowden, Norm, Mirant	Michael Hill - EPA
310	Letter	12/21/01	Clarification of Application Forms	Cowden, Norm, Mirant	Michael Hill - EPA
311	Letter	12/21/01	Alewife Temp. Limits--Timing and Mirant's Proposal	Cowden, Norm, Mirant	Michael Hill - EPA
312	e-mail	4/7/04	Retention Time of Charles River	Callaghan, Todd, MACZM	George Papadopoulos - EPA
314	Letter	1/16/02	Mirant Response to the EPA 12/21/01 Comment Letter	Cowden, Norm, Mirant	Michael Hill - EPA
315	Letter	1/28/02	Chlorine Injection	Cowden, Norm, Mirant	Michael Hill - EPA
316	Letter	2/8/02	Alewife Temp. Limits--Response to MA DMF Info.	Cowden, Norm, Mirant	Michael Hill - EPA
317	Letter	2/25/02	NPDES Permit Process, Schedule, and Applicability	Cowden, Norm, Mirant	David Webster - EPA
318	Letter	2/25/02	Chlorophyll Guidance	Cowden, Norm, Mirant	Mark Voorhees - EPA
319	Letter	2/26/02	May 27, 1995 Fish Kill	Cowden, Norm, Mirant	Michael Hill - EPA
320	Letter	2/28/02	Startup of Water Treatment System--Length and Start Date of Operation	Cowden, Norm, Mirant	Michael Hill - EPA

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321	Letter	3/18/02	Eutrophication Limits for Kendall Station NPDES Permit	Cowden, Norm, Mirant	Mark Voorhees - EPA
322	Letter	1/14/02	Clarification of River Water Treatment Reject Quality	Cowden, Norm, Mirant	Michael Hill - EPA
323	Letter	1/14/01	Eutrophication Monitoring in Charles River	Cowden, Norm, Mirant	Michael Hill - EPA
324	Article	5/9/83	Feeding Ecology of Coexisting Larvae of American Shad and Blueback Herring in the Connecticut River. Trans. Am. Fish. Soc., 112: 498-507.	Crecco, V.A.	
325	Article	11/1/99	"One Fish, Two Fish"--Parker River Alewives Count in MA. Shad Journal, 4(1): 3-7.	Stevenson, R.D.	
326	Webpage	1/1/03	The On-line Fishes of NY State, Version 2.1--Alewife	Kraft, C.E.	
327	Presentation	2/1/01	Evaluation of the Tailwater Thermal Management Scenarios--What to do When the Fog Doesn't Lift Until Noon	Newcomb, T.J.	
328	Report	1/1/01	EPA Clean Charles 2005--Core Monitoring Summary Report for 2001--Executive Summary	EPA	
329	Article	1/1/86	Benthic macrovertebrate community structural and functional group response to thermal enhancement in the Savannah river and coastal plain tributary. Arch. Hydrobiol., 106(1): 119-137.	Poff, N.L.	
330	Webpage	4/1/02	Alewife Info. Page. VIMS Juvenile Shad/River Herring Pushnet Survey. (Info. on page from Fishes of the Chesapeake Bay by Murdy, Birdsong, and Musick)	Virginia Inst. Marine Sciences	
331	Email	5/6/02	Yearling Met Info.	Strauss, Neal, NOAA	John Nagle - EPA
332	Article	6/1/56	Hickory shad eggs and larvae reared successfully in the lab. Maryland Tidewater News, 13: 1-3	Mansueti, R.	
333	Email	6/4/02	American Shad Larvae	Szal, Gerald, MassDEP	Michael Hill - EPA
334	Webpage	8/21/01	Species Summary for Alosa pseudonarengus, Alewife	Agbayani, E., fishbase.org	
335	Article	1/1/90	Effects of winter temp. and predation on the abundance of Alewife in the Bay of Quinte, Lake Ontario. J. Great Lakes Res., 16(1): 11-20.	Ridgway, M.S.	
336	Article	7/30/02	Replenishing Atlantic Salmon in Merrimack an Upstream Battle. Lowell Sun.	Ward, P.	
337	Report	5/1/77	Interagency 316(a) Technical Guidance Manual and Guid for Thermal Effects Sections of Nuclear Facilities Environmental Impact Statements	EPA	
338	Article	1/1/80	Thermal habitat partitioning by fishes in Lake Michigan. Can. J. Fish. Aquat. Sci., 37: 1557-1564.	Brandt, S.B.	
339	Article	4/12/99	How density dependence can be important and still be lost in the noise. Power Generation Impacts on Aquatic Resources Conference, Alanta, Georgia.	Kimmerer, W.J.	
340	Article	4/12/99	Predicting Fish Population--Compensation and the Importance of Site--specific considerations	Rose, K.A.	

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341	Article	1/1/90	Statistical power analysis can improve fisheries research and management. Can. J. Fish. Aquat. Sci., 47: 2-15.	Peterman, R.M.	
342	Article	1/1/89	Application of statistical power analysis to the Oregon Coho Salmon problem. Can. J. Fish. Aquat. Sci., 46: 1183-1187.	Peterman, R.M.	
343	Article	1/1/52	Geographic variation of some physiological/morphological char. in freshwater fish. Univ. of Toronto Biological Series No. 60. Publication of the Ontario Fisheries Research Lab No.72	Hart, J.S.	
344	Article	11/1/01	The stress response of juvenile american shad to handling and confinement is greater during migration in freshwater than in seawater. Trans. Am. Fish. Soc., 130(6): 1203-1210.	Shrimpton, J.M.	
345	Article	1/1/01	Process contributing to variability in regional patterns of juvenile river herring abundance across small coastal systems. Trans. Am. Fish. Soc., 130: 600-619.	Kosa, J.T.	
346	Article	1/1/78	Larva deformity in striped bass and blueback herring due to heat shock treatment of developing eggs. Environ. Pollut., 16: 137-149.	Koo, T.S.Y.	
347	Article	1/1/78	Development of Fishes of the Mid-Atlantic Bight--An Atlas of Egg, Larval and Juvenile States Volume 1--Clupeidae - herring, Alewife. U.S. Dept. Int. Fish Wildl. Serv. FWS/OBS-78/12. pp 89-97.	Jones, P.W.	
348	Article	1/1/67	Development of Fishes of the Chesapeake Bay Region--An Atlas of eggs, larval, and juvenile stages Part 1--Alewife. pp 55-59.	Mansueti, A.J.	
349	Article	1/1/81	Mortalities of Atlantic Herring, Smooth Flounder, and Rainbow Smelt larvae exposed to acute thermal shock. Fishery Bulletin, 79(1): 198-200.	Barker, S.L.	
350	Article	12/20/00	Impact of elevated temp. on the growth, survival, and trophic dynamics of winter flounder larvae: a mesocosm study. Can. J. Fish. Aquat. Sci., 57: 2382-2392.	Keller, A.A.	
351	Article	7/1/82	Habitat Suitability Index Models--Largemouth Bass. U.S. Dept. Int. Fish Wildl. Serv. FWS/OBS-82/10.16.	Stuber, R.J., Gebhart, G.	
352	Document	1/1/68	Suitability of the Susquehanna River for restoration of shad. U.S. Dept. Int., Maryland Bd. Naturl. Res., New York Conserv. Dept., and Pennsylvania Fish Comm.	Carlson, F.T.	
353	Article	1/1/72	Observationson the reactions of young American shad to a heated effluent. Trans. Am. Fish. Soc., 101: 740-743.	Marcy, B.C.Jr., Jacobson, P.M.	

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354	Document	1/1/79	Effects of time-temperature treatments on fish eggs and larvae. Chesapeake Biol. Lab., CEES Ref. No. 79-47-CBL, Solomons, MD.	Koo, T.S.Y.	
355	Document	1/1/82	The American shad in the Delaware River basin. U.S. Fish Wildl. Serv., Rosemont, New Jersey.	Miller, J.P., Griffiths, F.R.	
356	Article	1/1/24	The life history of the shad with special reference to the factors limiting its abundance. Contrib. Can. Biol., 2(11): 161-284.	Leim, A.H.	
357	Article	1/1/02	Streamflow, water quality, and contaminant loads in the Lower Charles River Watershed, MA, 1999-2000. USGS, Northbrough, MA, WRIR 02-4237.	Breault, R.F., Sorenson, J.R.	
358	Report	2/1/00	Charles River Watershed 1997/1998 water quality assessment report, Charles River (segment MA72-08). MA DEP, DWM, Report No. 72-AC-3.	Fiorentino, J.F.; Kennedy, L.E.	
359	Document	1/1/61	Early life history and spawning migration of the alewife ( <i>Alosa pseudoharengus</i> ). M.S. Thesis. University of Rhode Island, Providence. pp 9-16.	Cooper, R.A.	
360	e-mail	4/6/04	MKS chemical listing	Konary, Shawn, Mirant	George Papadopoulos, EPA
361	Article	1/1/83	Daily mortality rates of larval and juvenile American Shad ( <i>Alosa sapidissima</i> ) in the Connecticut River with changes in year-class strength. Can. J. Fish. Aquat. Sci., 40: 1719-1728.	Crecco, V.A., Savoy, T., Gunn, L.	
362	Document	1/1/96	Contribution to the life history of juvenile blueback herring; phototactic behavior and population dynamics. College of William and Mary. VIMS. Doctoral dissertation.	Dixon, D.A.	
363	Article	1/1/71	Fish eggs and larvae of the upper Chesapeake Bay. NRI Special Report, 4: 1-71.	Dovel, W.L.	
364	Document	1/1/91	Habitat requirement for Chesapeake Bay living resources, second edition. EPA Chesapeake Bay Program.	Funderburk et al.	
365	Article	1/1/56	Observations on the Alewife, <i>Pomolobus pseudoharengus</i> (Wilson), in fresh water. Biological Series No. 62. University of Toronto Press, Canada.	Graham, J.J.	
366	Article	1/1/77	Temperature requirement of some percids and adaptations to the seasonal temperature cycle. J. Fish. Res. Board Can., 34: 1524-1550.	Hokanson, K.E.F.	
367	Article	1/1/74	Winter temp. req'ments for maturation and spawning of YP. Bio. balance and thermal mods v. 3. Methods of Forecasting. Paris, France. pp 189-192.	Jones, B.R. Hokanson, K.E.F	
368	Article	1/1/76	Osmotic stress and mortality in adult American shad during transfer from saltwater to freshwater. J. Fish Biol., 8(6): 459-469.	Leggett, W.C., O'Boyle, R.N.	

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369	Article	1/1/76	Seasonal depth distribution of landlocked alewives in a shallow eutrophic lake. Trans. Am. Fish. Soc., 105: 395-399.	Lindenburg, J.G.	
370	Article	1/1/87	Overview of life history aspects of anadromous alewife and blueback herring in freshwater habitats. American Fisheries Society Symposium, 1: 89-103.	Loesch, J.G.	
371	Article	1/1/82	Effects of light intensity on the catchability of juvenile anadromous Alosa species. Trans. Amer. Fish Soc., 111: 41-44.	Loesch, J.G.; Kriete, Jr., W.H.	
372	Article	1/1/76	Early life history studies of American shad in the lower Connecticut River and the effects of the Connecticut Yankee plant. Amer. Fish. Soc. Monogr., 1: 61-114.	Marcy, B.C.Jr., Jacobsen, P.	
373	Article	1/1/96	Consequences of elevated temperatures for zooplankton assemblages in temperate lakes. Arch. Hydrobiol., 135(3): 289-319.	Moore, M.V., Folt, C.L.	
374	Document	1/1/72	Water Quality Criteria. Heat and Temperature, Freshwater Aquatic Life and Wildlife. Appendix II-C. U.S. EPA, Washington, D.C., EPA-R3-73-033. pp 151-171 and 410-419.	Natl. Acad. Sci./Natl. Acad. Eng.	
375	Article	1/1/76	Lethal and preferred temperatures of the alewife in Lake Michigan. Trans. Am. Fish. Soc., 105: 96-106.	Otto, R.G., Kitchel, M.A.	
376	Report	9/1/83	Habitat suitability index models: alewife and blueback herring. U.S. Dept. Int. Fish Wildl. Serv., FWS/OBS-82/10.58.	Pardue, G.B.	
377	Article	1/1/74	Factors influencing the season and daily patterns of alewife migration in a Rhode Island river. J. Fish. Res. Board Can., 31(9): 1485-1497.	Richkus, W.A.	
378	Report	1/1/75	Animal physiology, adaptation and environment. Cambridge University Press, American Branch, NY.	Schmidt-Nielsen, K.	
379	Report	1/1/85	Habitat suitability index models and instream flow suitability curves: American shad. U.S. Dept. Int. Fish Wildl. Serv. Biol. Rep., 82(10.88).	Stier, D.J., Crance, J.H.	
380	Article	9/1/99	Effects of culture temperature on growth, survival, and biochemical composition of yellow perch. J. of the World Aquaculture Soc., 30(3): 324-330.	Tidwell, J.H. et al.	
381	Report	1/1/86	Species profiles: Life histories and environmental requirements of coastal fishes and invertebrates, American shad. U.S. FWS Biol. Rep., 82(11.59). US Army Corps of Eng	Weiss-Glanz, L.S., Stanley, J.G.	
382	Report	1/1/02	Measured and simulated runoff to the Lower Charles River, Massachusetts, October 1999-September 2000. USGS, Northbrough, Massachusetts, WRIR 02-4129.	Zarriello, P.J., Barlow, L.K.	



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383	Article	1/1/02	Cyanobacterial harmful algal blooms: developing a public health response. Lake and Reservoir Management, 18(1): 20-31.	Backer, L.C.	
384	Email	3/25/02	Comments on eutrophication permit limits	Beskenis, J.	Gerald Szal - MassDEP
385	Article	6/1/85	Rates, constraints, and kinetics formulations in surface water quality modeling (second edition). U.S. EPA, Athens, Georgia, EPA/600/3-85/040.	Bowie, G.L., et al.	
386	Data - Table	9/7/99	Unpublished Charles River flux data	Breault, R.F.	
387	Pers. Comm.	1/9/03	R.F. Breault pers. comm. to Mark Voorhees	Breault, R.F.	Mark Voorhees - EPA
388	Report	1/1/00	Spatial distribution, temporal variability, and chemistry of the salt wedge in the Lower Charles River, Massachusetts, June 1998 to July 1999. USGS, Northbrough, Massachusetts, WRIR 00-4124.	Breault, R.F., et al.	
389	Article	2/1/74	Effects of temperature on phytoplankton growth. Journal of the Environmental Engineering Division, Proceedings of the ASCE, 100(EE1): 231-241.	Canale, R.P., Vogel, A.H.	
390	Document	1/1/97	Surface water-quality modeling. The McGraw-Hill Companies, Inc., New York.	Chapra, Steven C.	
391	Memo	1/31/02	MKS - Pre-draft Permit - Primary Issues	Glenn Haas, MassDEP	David Webster - EPA
392	Document	7/3/01	Restoring and protecting Chesapeake Bay and River water quality. Chapter IV: Water quality criteria (7/3/01 working draft). pp 81-99.	Chesapeake Bay Program	
393	Document	7/3/01	Restoring and protecting Chesapeake Bay and River water quality. Chapter V: Chlorophyll A criteria (7/3/01 working draft). pp 101-144.	Chesapeake Bay Program	
394	Article	11/1/70	Biological aspects of thermal pollution: I. Entrainment and discharge canal effects. CRC Critical Reviews in Environmental Control, pp 341-378.	Coutant, C.C.	
395	Report	4/1/00	Collection and evaluation of ambient nutrient data for lakes, ponds, and reservoirs in New England, data synthesis report. NEIWPCC, Lowell, MA. pp 57-59.	ENSR Corporation	
396	Document	10/1/02	Massachusetts year 2002 integrated list of waters, Part 1 - Context and rationale for assessing and reporting the quality of Massachusetts surface waters. CN: 125.1.	MA EOEa	
397	Document	10/1/02	Massachusetts year 2002 integrated list of waters, Part 2 - Final listing of individual categories of water. CN: 125.2.	MA EOEa	
398	Document	6/1/81	Charles River Artificial Destratification Project. U.S. EPA, Office of Research and Development, Water Program Division, Boston, Massachusetts. (#149 too)	Ferullo, A.F., DiPietro, P.J.	
399	Document	4/1/00	Nutrient criteria technical guidance manual: Lakes and reservoirs, first edition. EPA-822-B00-001.	Gibson, G, et al.	

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400	Document	1/1/80	Influence of temperature on phytoplankton growth and nutrient uptake. Woods Hole Oceanographic Institution. pp 33-58.	Goldman, J.C.	
401	Article	1/1/88	Developing phosphorus criteria for Minnesota Lakes. Lake and Reservoir Management, 4(1): 1-9.	Heiskary, S.A., Walker, W.W.	
402	Article	1/1/95	Establishing a Chlorophyll A goal for a run-of-the-river reservoir. Lake and Reservoir Management, 11(1): 67-76.	Heiskary, S.A., Walker, W.W.	
403	Document	3/1/93	Studies in environmental science 49: Statistical methods in water resources. Elsevier Science Publishers, New York	Helsel, D.R., Hirsch, R.M.	
404	Data - Table	9/30/02	Unpublished Kendall Square Station thermal load data for June 1 through Sept. 30, 1998-2002.	Mirant	
405	Document	5/1/01	A proposal to the U.S. EPA: Evaluating lake perception data as a means to identify reference nutrient conditions	NYSFLA, NYSDEC	
406	Document	7/1/92	Developing eutrophication standards for Lake Champlain. VT Department of Environmental Conservation, Water Quality Division. Waterbury, Vermont.	Smeltzer, E.	
407	Article	1/1/80	The theoretical basis for estimating phytoplankton production and specific growth rate from chlorophyll light and temperature data. Ecological Modeling, Vol. 10, pp 243-264.	Smith, R.A.	
408	Report	1/1/02	Water resources data, Massachusetts and Rhode Island, Water year 2001. USGS Water-data report MA-RI-01-1.	Socolow, R.S., et al.	
409	Document	1/1/87	Principles of surface water quality modeling and control. Harper & Row, Publishers, Inc., New York.	Thomann, R.V., Mueller, J.A.	
410	Report	7/1/99	Clean Charles 2005 Water Quality Report 1998 Core Sampling Program. Office of Environmental Measurement and Evaluation, Region 1.	EPA	
411	Report	12/1/00	Clean Charles 2005 Water Quality Report 1999 Core Monitoring Program. Office of Environmental Measurement and Evaluation, Region 1.	EPA	
412	Document	12/1/01	Ambient WQ criteria recommendations, Information supporting the development of state and tribal nutrient crit. for lakes/reservoirs. Office of Water, EPA 822-B-01-011.	EPA	
414	Document	11/22/02	Vermont plan for the development of nutrient criteria for lakes and rivers. U.S. EPA, Boston, Massachusetts. Working Draft dated 11/22/02.	VTDEC	
415	Pers. Comm.	2/14/03	K. Wagner Pers. Comm. To Mark Voorhees (2/14/03)	Wagner, Ken	
416	Pers. Comm.	6/30/03	K. Wagner Pers. Comm. to Mark Voorhees (6/30/03)	Wagner, Ken	

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417	Document	1/1/81	Variability of trophic state indicators in reservoirs. Restoration of Lakes and Inland Waters. U.S. EPA, Office of Water Regulations and Standards, EPA 440/5-81-010. pp 344-348.	Walker, W.W.	
418	Article	10/1/84	Statistical bases for mean Chlorophyll A criteria. Lake and Reservoir Mgmt: Practical Apps. Proc. 4th Annual Conf., NALMS, McAfee, NJ. pp 57-62.	Walker, W.W.	
419	Article	1/1/95	Relating algal bloom frequencies to phosphorus concentrations in Lake Okeechobee. Lake and Reservoir Management, 11(1): pp 77-83.	Walker, W.W., Havens, K.E.	
420	Document	1/1/83	Limnology, Second Edition. Saunders College Publishing, New York.	Wetzel, R.G.	
421	Letter	6/23/99	TRC assisting Mirant Kendall	Smyth, Drew, TRC	Nicholas Prodany - EPA
422	Report	6/23/99	Kendall Station Equipment Upgrade Project Technical Protocols	Smyth, Drew, TRC	Nicholas Prodany - EPA
423	Fax	11/3/99	Beach seine and gill net data sheets	Tunison, Garrett, MRI	Tom Faber - EPA
424	Letter	12/17/99	Additional Details on Construction of Outfall Diffuser	Cooper, Charles, TRC	Julia Bowdoin - CCC
425	Fax	3/2/00	Effects of salt wedges on dissolved oxygen transfer	Smyth, Drew, TRC	Nicholas Prodany - EPA
426	Memo	6/13/00	Kendall Square Equipment Upgrade Project - Discharge Videos	Cooper, C., TRC, Smyth, D., TRC	Agencies
427	Memo	6/21/00	5/31/00 Meeting Open Items	Smyth, Drew, TRC	Mark Voorhees - EPA
428	Memo	9/27/00	Kendall Square Equipment Upgrade Project - Update on Water Resources and Fisheries	Cooper, Charles, TRC	Agencies
429	Letter	9/29/00	Request for Determination Regarding the Canal and Kendall Projects	Cowden, Norm, Mirant	David Webster - EPA
430	Letter	10/31/00	Proposed Monitoring for the Kendall Square Upgrade Project	Cowden, Norm, Mirant	Julia Bowdoin - CCC
431	Memo	5/23/01	Figure 3-1 of Supplemental Surface Water Modeling Report	Cooper, Charles, TRC	Agencies
432	Email	5/23/01	Tracking update	Scherer, M., MRI	Agencies
433	Letter	6/7/01	Mirant's proposed program for monitoring and response actions concerning phytoplankton and nutrients	Cowden, Norm, Mirant	David Webster - EPA, Glenn Haas - MassDEP
434	Letter	6/15/01	Sedimentation Monitoring Program	Cowden, Norm, Mirant	Paul Sneeringer - USACE
435	Letter	7/5/01	Kendall Water Management Act and Nonconsumptive Use Notification Statement--Required Technical Info.	Cowden, Norm, Mirant	Kellie O'Keefe - MassDEP
436	Letter	7/24/01	Table Summarizing the Current and Future Cooling Water Intake Characteristics for Kendall	Cowden, Norm, Mirant	Kellie O'Keefe - MassDEP
437	Letter	10/9/01	Input to Eutrophication Mode--Mirant Kendall	Cooper, Charles, TRC	John Hamrick - TetraTech
438	Letter	10/16/01	Correction of attachment to Additional Temp. Model Run Results sent 10/5/01	Corey, Jeannine, TRC	Agencies
439	Letter	10/29/01	Proposed Temperature Limits--Historical Data	Cowden, Norm - Mirant	Michael Hill - EPA

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440	Letter	11/6/01	Federal Consistency Certification: Kendall Equipment Upgrade Project; Cambridge (faxed from Cowden to Hill 11/7/01)	Skinner, Thomas W., MA CZM	Norm Cowden - Mirant
441	Letter	11/16/01	Delta Temperature Limits	Cowden, Norm - Mirant	Michael Hill - EPA
442	Letter	12/7/01	Requested opinion of the MA DEP regarding permits required for the use and consumption of water from the Charles River	Cowden, Norm, Mirant	Phil Weinberg - MassDEP
443	Letter	1/14/02	Eutrophication Monitoring in Charles River	Cowden, Norm, Mirant	Michael Hill - EPA
444	Letter	5/1/02	Supplemental Summary of Project-related changes in Charles River Ichthyoplankton Populations (Fractional Loss/Gain)	Cowden, Norm - Mirant	Michael Hill - EPA
445	Meeting Handouts	6/12/02	Kendall Water Treatment System Diagram and Kendall Water Treatment Chemicals Table	Mirant	Agencies
446	Letter	9/9/02	Mirant Kendall Proposed Monitoring Stations on the Charles River	Lefebvre, Laura, TRC	Laura Donohue
447	Letter	11/13/02	Summer 2002 Data	Cowden, Norm, Mirant	Mark Voorhees - EPA
448	Memo	11/13/02	Charles River Eutrophication Sampling (Attachment to Doc. # 447)	Scherer, M., MRI	Norm Cowden - Mirant
449	Letter	1/9/03	Mirant Delta "T" Proposal	Reynolds, J.P., Mirant	John Nagle - EPA
450	Letter	3/24/03	TMDL Hydrodynamic Model Review	Reynolds, J.P., Mirant	Mark Voorhees - EPA
451	Meeting Handouts	9/13/02	Charles River Nutrient Modeling Project Technical Advisory Committee Meeting Handouts	EPA, TetraTech, Mirant	
452	Letter	5/11/01	Mirant Kendall Propose Thermal Limits	Cowden, Norm, Mirant	Agencies
453	Document	2/1/01	NPDES Permit # MA0004898 Kendall Square Station Equipment Upgrade Project, Cambridge, MA, Volume I. Prepared by TRC for Mirant Corporation.	TRC for Mirant	
454	Document	2/1/01	NPDES Permit # MA0004898 Kendall Square Station Equipment Upgrade Project, Cambridge, MA, Volume II. Prepared by TRC for Mirant Corporation.	TRC for Mirant	
455	Report	11/1/99	Draft Environmental Impact Report, Kendall Square Station Equipment Upgrade Project (EOEA No. 11754), Cambridge, MA, Volume II and Appendices. Prepared by TRC for Southern Energy.	TRC for Southern Energy	
456	Report	5/1/02	Final Environmental Impact Report (EOEA No. 11754), Kendall Square Station Equipment Upgrade Project, Cambridge, MA, Volume I. Prepared by TRC for Southern Energy.	TRC for Southern Energy	
457	Report	9/14/01	Water Quality Model to Study Algal Dynamics in Charles River	TRC	
458	Report	4/14/01	Supplemental surface water modeling report in support of Kendall Station NPDES Permitting. Prepared by TRC for Mirant Kendall, L.L.C.	TRC for Mirant	

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459	Article	3/1/77	Impacts of power plant intake on velocities on fish. Topical briefs: Fish and wildlife resources and electric power generation, no. 1. U.S Dept. Int. Fish Wildl. Serv., FWS/OBS-76/20.1.	Boreman, John	
460	Document	1/1/80	Spatial distribution and temperature selection of fish near the thermal outfall of a power plant during fall, winter and spring. U.S. EPA, Office of Research and Development, EPA-600/3-80-009.	Ross, M.J., Siniff, D.B.	
461	Memo	1/14/01	Charles River Sonic Tracking--blueback herring	Scherer, M., MRI	
462	Document	10/4/01	Fractional Loss Analysis for Mirant Kendall--10/4/01	Mirant	Agencies
463	Memo	1/10/02	Charles river sonic tracking--yellow perch	Scherer, M., MRI	
465	Document	2/6/03	Delta temperature and Mirant Kendall's thermal discharge to the lower Charles River Basin (DRAFT)	Szal, Gerald, MassDEP	
466	Meeting Notes	1/24/03	1/24/03 Mirant Kendall Permit Meeting Sign-in		
467	Letter	12/17/03	Eutrophication Data and Diffuser Proposal	Konary, Shawn, Mirant	Webster(EPA), Weinberg(DEP)
468	Report	11/1/03	Clean Charles 2005 WQ Report/2002 Core Monitoring Program (partial)	EPA	
469	E-mail	12/12/03	Mirant Kendall follow-up items (2003 data)	Konary, Shawn, Mirant	Webster(EPA), Weinberg(DEP)
470	Report	11/13/03	Transmittal of Additional Field Data (2003 data)	Cooper, Charles,TRC	Webster, Weinberg
471	Letter	12/9/03	Recent Data Submittal to MA DEP and EPA	Cooper, Charles, TRC	Gerald Szal, MassDEP
472	Report	9/17/03	Mirant's Response to Agencies' RFI on Thermal Issues	Reynolds, J.P., Mirant	Webster, Weinberg
473	Letter	1/6/04	Non-submittal of DMRs	Neas, Robin, EPA	Thomas Herlihy, Mirant
474	Meeting Notes	11/19/03	Mirant handouts at meeting	Mirant	EPA, MassDEP
475	Meeting Notes	11/10/99	Clean Charles 2005 WQ Monitoring Subcommittee Meeting	Southern Energy (now Mirant)	EPA, MassDEP
476	E-mails	8/13/03	Mirant summer 2003 sampling program	Various	Various
477	E-mails	10/29/03	Barrier Net Requirements	Various	Various
478	Letter	9/17/03	Issues Related to NPDES Permit Renewal	Reynolds, J.P., Mirant	Varney(EPA),Golledge(MADEP)
479	Letter	10/6/03	Reply to Mirant's 9/17/03 letter	Varney, Robert W., EPA	John Reynolds, Mirant
480	Fax	9/17/03	Section of SPDES Permit 0005711 (Lovett Station - New York)	Schwartz, Jack, MADMF	John Nagle, EPA
481	E-mail	8/7/03	Comments on Mirant 7/28/03 letter to D. Webster from Mirant	Szal, Gerald, MassDEP	EPA, MADMF, MACZM
482	E-mail	8/19/03	Response to 7/23/03 EPA's E-mail Request for Clarification	Reynolds, J.P., Mirant	George Papadopoulos, EPA
483	E-mail	9/2/03	August 2003 Charles River Vertical Profiles	Cooper, Charles, TRC	John Nagle, EPA
484	E-mail	9/4/03	Review of Proposed Fish Exclusion System for Mirant	Schwartz, Jack, MADMF	MADEP, EPA, MACZM
485	E-mail	9/9/03	Proposed Fish Exclusion/Kendall	Szal, Gerald, MassDEP	EPA, MACZM, MADMF
486	E-mail	8/27/03	Mirant Kendall, Mixing Zone	Szal, Gerald, MassDEP	EPA, MACZM, MADMF
487	E-mail	9/11/03	Kendall Station Barrier Net; Further Questions	Callaghan, Todd, MACZM	John Reynolds, Mirant
488	E-mail	9/18/03	Mirant Responses to T. Callaghan's 9/11/03 Barrier Net Questions	Reynolds, J.P., Mirant	Agencies
489	Letter	7/28/03	NPDES Permit and Variance Request	Reynolds, J.P., Mirant	David Webster, EPA

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490	Report	12/1/00	Technical Evaluation of the Utility of Intake Approach Velocity as an Indicator of Potential Adverse Environmental Impact under CWAmSection 316(b)	EPRI	Various
491	Letter	8/15/96	Charles River Destratification system proposal	Adams, E. Eric, MIT	Gerald Pesch, EPA
492	e-mail	3/8/04	Comments on draft Mirant permit and Determination Document	Callaghan, Todd, MACZM	George Papadopoulos, EPA
493	Application	5/22/01	Section 10/Section 404 Massachusetts Programmatic General Permit	Mirant	Army Corps of Engineers
494	Report	10/16/97	Anadromous Fish Restoration Program : Merrimack River/Strategic Plan and Status Review	Anad. Fishery Mgmt of Merrimack River	Various
495	Study	5/19/76	Influence of Temperature and Wind on the Survival of Early Stages of Yellow Perch	Clady, Michael	
496	Study	10/5/76	Effects of Intensified Fishing, Species Changes and Spring Water Temperatures on Yellow Perch	Eshenroder, R.L.	
497	Study	9/1/71	Effects of Constant and Rising Temperatures on Survival and Developmental Rates of Embryonic and Larval Yellow Perch	Hokanson, E.F.	
498	Study	1/1/73	Effects of Temperature and Light on Growth on Yellow Perch and Walleye Using Formulated Feed	Huh, M.T., Univ. of Wisc	
499	Study	10/17/90	Behavior, Energetics and Associated Mortality of YOY White Perch and Yellow Perch Under Simulated Winter Conditions	Johnson, Timothy B.	
500	Study	9/22/75	Movement of Yellow Perch and White Sucker in a Nearshore Great Lakes Habitat Subject to a Thermal discharge	Kelso, J.R.M.	
501	Study	2/15/73	Temperature Selection by Juvenile and Adult Yellow Perch	McCauley, R.W.	
502	Study	7/31/74	Swimming Speeds of Yellow Perch Following an Abrupt Change in Environmental Temperature	Otto, Robert G.	
503	Study	9/30/81	Temperatures Selected in a Power Plant Effluent by Adult Yellow Perch in Winter	Marvin, Jon Ross	
504	Study	11/27/89	Effect of Acute and Chronic Temperature Transition on Enzymes of Cardiac Metabolism in White Perch, Yellow Perch, and Smallmouth Bass	Sephton, D.H.	
505	Study	7/7/65	Dependence of Total Annual Growth in Yellow Perch on Temperature	Coble, Daniel W.	
506	Study	1/1/03	Modification of Schooling Behavior in Larval Atherinid Fish Atherina mochon by Heat Exposure of Eggs and Larvae	Williams, Madelaine A.	
507	Study	1/1/97	Investigation of Thermal Discharge from New England Power Plants	Bearman, Joshua	
508	e-mail	6/27/02	Shade Impacts on Migrating Alewvies, bluebacks and American Shad	Gorski, Stan- NMFS	Eric Hutchins, NMFS

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509	Report	12/1/02	The State of Boston Harbor - Mapping the Harbor's Recovery	Rex, Andrea, MWRA	
510	Report	11/1/03	USEPA, Clean Charles 2005 - Core Monitoring Summary Report for 2002.	EPA, Region 1, OEME	
511	Report	1/1/04	Review of Oxygenation Techniques and Applicability to Onondaga Lake, Neew York	ENSR	US ACOE
512	Reference	1/1/86	Civil Engineering Reference Manual.	Lindeburg, M.R.	
513	Report	1/1/98	1998 Draft Generic EIR - Eutrophication and Aquatic Plant Management	MassDEP , MADEM	
514	Calculations	7/7/03	Dissolved Oxygen Saturation - Charles River	Voorhees, Mark, EPA	
515	Memo	5/14/03	Kendall Square Station NPDES Draft - Concerns with Proposed Diffuser	Voorhees, Mark, EPA	Dave Webster
516	Memo	4/8/04	Charles River Basin Eutrophication Modeling Needs	Voorhees, Mark, EPA	David Webster - EPA
517	Memo	4/29/04	Dr. Ken Wagner Qualifications	Voorhees, Mark, EPA	Permit File
518	Memo	2/9/04	Kendall Station Permit Renewal - Eutrophication Permit Conditions	Voorhees, Mark, EPA	Permit File
519	Calculations	6/3/03	Estimate of Salinity Concentration Under Complete Mix Conditions	Voorhees, Mark, EPA	Permit File
520	Calculations	6/30/03	Retention Time - Lower Charles River Basin	Voorhees, Mark, EPA	Permit File
521	Calculations	11/8/03	Charles River Basin - Secchi Depth Comparison	Voorhees, Mark, EPA	Permit File
522	Background data	2/1/03	EPA Chlorophyll a data comparison	Voorhees, Mark, EPA	Permit File
523	Calculations	4/6/04	Benthic Phosphorus Release Estimates	Voorhees, Mark, EPA	Permit File
524	Report	6/1/01	Evaluation of Linkages between 305(b) Impairments/Nutrient Level in NE Lakes, Ponds and Reservoirs	ENSR	NEIWPC
525	Report	1/1/97	Charles River Sediment/WQ Analysis Project Report	USEPA Region 1	
526	Memo	5/3/04	Calculation of Thresholds for chlorophyll concentrations	Liebman, M. EPA	Permit File
527	E-mail	3/1/04	Comments on Mirant Fact Sheet - Eutrophication	Dunn, Dennis, MassDEP	Haas, Glenn, MassDEP
528	Report	11/1/02	Clean Charles 2005 WQ Report - 2001 Core Monitoring Program	USEPA- OEME	
529	E-mail	1/27/04	Phosphorus Limits	Wagner, Ken	Mark Voorhees, EPA
530	Report	12/3/02	Draft "Modeling Framework to Support Total Maximum Daily Load (TMDL) Development for the Lower Charles River"	CRWA	Agencies
531	Regulation	12/18/01	Preamble to the Proposed CWA 316(b) Rule	USEPA	
532	Policy Document	3/1/91	Technical Support Document for Water Quality Based Toxics Control	USEPA	
533	Report	1/1/03	Water Resources Data	USGS	
534		1/1/03	Website Information	CRWA	
535	Report	7/1/97	Charles River Sediment/Water Quality Analysis Project Report	USEPA, OEME, Region 1	

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536	Report	1/1/00	Distribution and Potential for Adverse Biological Effects of Inorganic Elements and Organic Compounds in Bottom Sediment, Lower Charles River	USGS	
537	Guidance Document	1/1/91	Guidance for Evaluating and recommending temperature regimes to protect fish	Armour, C.L. USFWS	
538	Data	1/1/02	Unpublished Fish Collection Data from the Charles River	Brady, Phillips, MADMF	Agencies
539	Report	1/1/88	Steel Creek Water Quality:Biological Monitoring Program	Chimney, M.J and Nagle, J.H.	
540	Report	1/1/52	1952 Chesapeake Bay Book-Chapter on alewife and blueback herring	Collins	
541	Article	1/1/83	Daily Mortality Rates of Larval and Juvenile American Shad in the Connecticut River with Changes in Year-Class Strength	Crecco, V.A. Savoy, Gunn, L.	
542	Article	1/1/84	Effects of FLuctuations in Hydrographic Conditions on Year-Class Strength of American Shad in the Connecticut River	Crecco, V.A. and Savoy, T.	
543	Article	1/1/85	Efects of Biotic and Abiotic Factors on Growth and Relative Survival of Young American Shad in the Connecticut River	Crecco, V.A. Savoy, T.	
544	Report	1/1/02	Inland Fishes of Massachusetts	Mass. Audubon Society	
545	Article	1/1/77	Factors Influencing Year-Class Strength of Percids: A Summary and Model of Temperature Effects	Koonce, J.F.; Bagenal, T.B.	
546	Report	4/1/03	Clean Charles 2005 Progress Report	USEPA	
547	Report	9/1/03	Massachusetts Year 2002 Integrated List of Waters, Part 2 - Final Listing of Individual Categories of Waters	MAssachusetts EOEa	
548	Report	1/1/04	Cottage Farm CSO Facility Assessment Report	Massachusetts EOEa	
549	Data	1/1/02	MKS Operations Data, Unpublished	Mirant	Agencies
550	Data	1/1/04	MKS Supplemental Field Data for 2002 and 2003; Biological and hydrologic sampling data for 2002, 2003 and 2004.	Mirant	Agencies
551	Article	1/1/99	Investigation of Thermal Discharge from New England Power Plants	Mustard, J. ; Bearman, J.	
552	Report	1/1/88	Steel Creek Fish Report: Biological Monitoring Program	Paller, M.	
554	E-mail	10/1/03	Responding to Questions about Anadromous Fish in the Lower Charles River Basin	Schwartz, Jack, MAFWS	Agencies
555	Report	1/1/73	Freshwater Fishes of Canada. Bulletin 184	Scott, W.B; Crossman, E.J.	
556	Letter	2/28/06	Role of EPA Contractor in Modeling Analysis of MKS Proposed Diffuser	Voorhees, Mark, EPA	Shawn Konary, Mirant
557	Letter/Field Data	8/30/05	Transmittal of 2004 and 2005 Field Data	Konary, Shawn, Mirant	EPA/MassDEP
558	E-mail	10/17/05	Charles River Herring Data 2005	Callaghan, Todd, MACZM	Agencies
559	Letter	12/28/05	Charles River Eutrophication TMDL Modeling Comments	Konary, Shawn, Mirant	Mark Voorhees, EPA



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560	Letter/Field Data	4/5/06	Transmittal of 2005 Field Data	Sellars, Fred, TRC	Shawn Konary, Mirant
561	Letter	2/16/06	Shad Restoration Efforts	Diodati, Paul, MADMF	D. Webster, EPA
562	Letter	6/2/05	MKS Operational Status	Konary, Shawn, Mirant	G. Papadopoulos, EPA
563	Letter	2/19/03	Charles River TMDL	Cooper, C.,TRC	K. Baskin, CRWA
564	Report	12/8/04	Clean Charles 2005 Water Monitoring Subcommittee	Faber, Tom, EPA	Agencies/Others
565	Book	1/1/91	Common and Scientific Names of Fishes	American Fisheries Society	
566	Article	1/1/81	Temp. and Salinity Effects on Development of Striped Bass Eggs and Larvae	Morgan, R.P., Rasin, Jr., J.	
567	Article	1/1/52	Factors Influencing Orientation of Migrating Anadromous Fishes	Collins, G.	
568	Article	1/1/66	Behavior of Fish in Relation to Light in the Sea	Woodhead, P.M. J.	
569	Article	1/1/95	Reproduction of White Perch	Jackson, L.F.	
570	Article	2/10/99	Diel Changes in Vertical Distribution of Juvenile Fish in Zeeschelde Estuary	Maes, J.	
571	Letter	10/21/02	MKS Permit - Anadromous Fish Impacts	Colosi, P.D.	Agencies
572	Letter	11/6/00	Section 316(b) regulatory development comments	Lang, Vernon B., USFWS	EPA HQ
573	Article	10/1/83	Life Histories of Coastal Fishes and Invertebrates-White Perch	US FWS	
574	Article	5/16/00	Effects of Power Plants on Hudson river Fish	Maine Resources Adv. Council	
575	Article	4/1/82	Temp. Requirements for Survival and Early Development of Anadromous Alewife	Kellogg, R.L.	
576	Article	4/1/65	Light as an Ecological Factor	Bainbridge, R.	
577	Article	1/1/86	Development of Sense Organs and Behavior of Larvae	Blaxter, J.H.S.	
578	Article	1/1/76	Sesonal Depth Distribution of Landlocked Alewives	Lindenberg, J.G.	
579	Guidance Document	12/1/96	USEPA NPDES Permit Writers Manual	USEPA	
580	meeting notes	7/31/06	Mirant Kendall and EPA HQ	Fein, Ron, EPA	
581	meeting notes	8/9/06	EPA and NSTAR - Cambridge Energy Reliability	Moskal, John, EPA	
582	meeting notes	8/10/06	EPA,MADEP, ISO-NE - Cambridge Energy Reliability	Fein, Ron, EPA	
583	letter	6/14/06	FOIA Appeal (01-RIN-00293-04-A)	Brown, Byron, EPA HQ	Breton Leone-Quick, MintzLevin
584	memo	12/23/05	Diffuser Modeling Analysis	Baker, Richard & Hamrick, John	Voorhees, M. EPA
585	e-mail	1/5/06	12/28/05 S. Konary letter to M. Voorhees (eutrophication model)	Callaghan, Todd, MACZM	Voorhees, M. EPA
586	article	10/15/98	Ten Years of Artificial Mixing and Oxygenation: P Loading of Eutrophic Lakes	Gachter, Rene & Wehrli,Bernhard	
587	publication	12/1/96	Understanding Phos Cycling, Transport & Storage in Stream Ecosystems	Hoffman, James et.al.	
588	textbook	1/1/01	Limnology	Kalf, Jacob	
589	letter	12/28/05	Eutrophication TMDL Modeling Comments	Konary, Shawn, Mirant	Voorhees, M. EPA
590	letter	7/12/06	Nutrient TMDL - Diffuser Modeling	Konary, Shawn, Mirant	Webster, D. EPA
591	regulations	5/12/00	Massachusets SQWS 314 CMR 4.00	MassDEP, DWPC	
592	publication	1/1/03	Massachusetts year 2002 integrated list of waters, Part 1	Mass EOEa	

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593	publication	1/1/04	Massachusetts year 2004 integrated list of waters, proposed listing	Mass EOEa	
594	report	1/1/03	Final Generic EIR: Eutrophication and Aquatic Plant Mgmt in MA	Mattson, M.D., et.al., MassDEP	
595	textbook	1/1/03	Wastewater Engineering; Treatment, Disposal and Reuse, 3rd Edition	Metcalf & Eddy, Inc	
596	data	1/1/05	2005 algal data	Mirant	Voorhees, M. EPA
597	meeting notes	4/18/06	Diffuser Modeling Update	Mirant	Voorhees, M. EPA
598	article	1/1/41	Exchange of Dissolved Substances Between Mud and Water in Lakes	Mortimer, Clifford	
599	publication	1/1/01	Managing Lakes and Reservoirs	NALMS	
600	publication	1/1/03	Water Resources Data, MA and RI, Water Year 2002	Socolow et.al. USGS	
601	report	1/1/02	Eutrophication of the lower Charles, Mystic and Neponset Rivers	Taylor, D., MWRA	
602	report	3/1/06	Hydrodynamic and WQ Model for the lower Charles River-Draft	Tetra Tech, Inc.	
603	textbook	1/1/87	Principles of Surface WQ Modeling and Control	Thomann, R.V.	
604	publication	1/1/86	Quality Criteria for Water, 1986	EPA	
605	publication	8/1/90	Lake and Reservoir Restoration Guidance Manual	EPA	
606	publication	1/1/91	Guidance for WQ Based Decisions - The TMDL Process	EPA	
607	publication	1/1/00	Nutrient Criteria Technical Guidance Manual, Lakes and Reservoirs	EPA	
608	publication	1/1/03	Ambient WQC for DO, water clarity, and chlorophyll a for Chesapeake Bay	EPA Region 3	
609	report	1/1/03	Clean Charles 2005 WQ Report, 2002 Core Monitoring Program	EPA	
610	report	1/1/04	Clean Charles 2005 WQ Report, 2003 Core Monitoring Program	EPA	
611	report	12/1/05	Clean Charles 2005 WQ Report, 2004 Core Monitoring Program	EPA	
612	report	4/1/06	Annual WQ Report on the Lower Charles River 2005	EPA	
613	e-mail	12/8/05	Eutrophication model	Voorhees, M. EPA	Konary, S. Mirant
614	e-mail	12/19/05	Diffuser Modeling Analysis	Voorhees, M. EPA	Konary, S. Mirant
615	letter	1/11/06	Status of MKS Comments on Proposed Diffuser	Voorhees, M. EPA	Konary, S. Mirant
616	letter	2/28/06	Role of EPA Contractor in Modeling Analysis of Mirant's Proposed Diffuser	Voorhees, M. EPA	Konary, S. Mirant
617	publication	1/1/96	Vermont WQS	VT Water Resources Board	
618	publication	1/1/04	Practical Guide to Lake Mgmt in MA	Wagner, Ken, ENSR	
619	memo	12/2/05	Charles River EFDC Model Review	Wagner, Ken, ENSR	Voorhees, M. EPA
620	article	1/1/97	Patterns in Phytoplankton Taxonomic Composition Across Temperate Lakes	Watson, S. et.al.	
621	publication	1/1/05	Water Resources and the Urban Environment, lower Charles River	USGS	

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622	publication	1/1/03	Toxic Cyanobacteria in Water:A Guide to Their Public Health Consequences	WHO	
623	data	8/11/05	Charles River temperature monitoring data (see RTC L2)	Nagle, J. EPA	
624	data	8/3/06	Charles River Water Chemistry Profiles	USEPA Lab	
625	report	6/1/03	Comparison of Air Bubbles and Submerged Thermal Diffusers	Adams, E. Eric	TRC
626	letter	6/28/99	Proposed Relocation of Cooling Water Outfall	Dangel, R.A.	Southern Energy
627	article	2/1/92	Ecosystem Respiration and Organic Carbon Processing in the Hudson River	Howarth, R.W. et. al.	
628	e-mail	7/19/05	Comments on Proposed Diffuser	Sneeringer, Paul	Voorhees, M., EPA
629	report	12/3/02	Modeling Framework to Support TMDL for the Lower Charles River	TetraTech, Inc.	EPA
630	memo	7/27/05	City of Cambridge Order of Conditions Regarding Construction of Diffuser	Voorhees, M. , EPA	
631	e-mail	9/15/05	Cyanobacteria Tolerance to Salinity	Wagner, Ken	Voorhees,M. EPA
632	publication	11/14/05	MA Marine Fisheries Advisory	MA DMF	
633	article	1/1/05	Interdam Movement and Passage Attraction of American Shad	Sprankle	
634	e-mail	8/10/06	Pictures of algae bloom in the Charles on 8/9/06	Faber, T. EPA	Voorhees, M.
635	e-mail	8/14/06	Charles River algae bloom	Szal. Gerald, MassDEP	Haas,G. MassDEP
636	e-mail	8/21/06	8/3/2006 Charles River flows	Szal. Gerald, MassDEP	Voorhees,M. EPA
637	table	9/1/06	Preliminary data for the Charles River	EPA	
638	transcript	9/13/04	MKS Draft Permit - Public Hearing	EPA	
639	letter	9/10/04	MKS Draft Permit Comments	Diodati, P.MADMF	EPA
640	letter	7/23/04	MKS Draft Permit Comments	French, T. MA DF&W	EPA
641	letter	6/23/04	MKS Draft Permit Comments	Delpapa, C. MA Riverways	EPA
642	letter	8/13/04	MKS Draft Permit Comments	Snow-Cotter,S. MA CZM	EPA
643	letter	9/9/04	MKS Draft Permit Comments	Baskin, K. CRWA	EPA
644	letter	9/30/04	MKS Draft Permit Comments	Colosi, P. NOAA/NMFS	EPA
645	letter	10/14/04	MKS Draft Permit comments	Healy, R. City of Cambridge	EPA
646	letter	10/14/04	MKS Draft Permit Comments	Rawn, C.L. CLF	EPA
647	letter	9/27/04	MKS Draft Permit Comments	Union Boat Club	EPA
648	letter	9/9/04	MKS Draft Permit Comments	Walther, Dr. Raymond	EPA
649	letter	10/11/04	MKS Draft Permit Comments	Moot, John (ACN)	EPA
650	letter	10/11/04	MKS Draft Permit Comments	Steining, Rae	EPA
651	letter	10/14/04	MKS Draft Permit Comments	Von Tscharner, Renata (CRC)	EPA
652	letter	10/13/04	MKS Draft Permit Comments	Broussard, B., ECPT	EPA
653	letter	10/14/04	MKS Draft Permit Comments	Horowitz, Stash (ACN)	EPA
654	publication	1/1/76	Effects of Increased Water Temperature on Daphnia Pulex (Fish Bulletin 74: 403-407)	Craddock, D.R.	
655	memo	9/12/06	Importance of Areas in the lower Charles River Basin, Downstream of Watertown Dam	Szal, Gerald, MassDEP	

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656	memo	9/14/06	Personal Communication Regarding Salt Intrusion into the lower Charles	Szal, Gerald, MassDEP	
657	memo	9/14/06	Personal Communication Regarding Summertime Water Temperatures in Lotic Systems in MA	Szal, Gerald, MassDEP	
658	publication	1/1/74	Mathematical Generalization of Stream Temperature in Central New England	Tasker, G.D., Burns, A.W.	
659	Report	1/1/86	Stream Temperature Modeling for Water Quality Management	Kimball, Warren, MassDEP	
660	memo	9/19/06	Personal Communication Regarding Out-Migration of River Herring	Szal, Gerald, MassDEP	
661	memo	9/19/06	Alosids/Temperature/Avoidance	Olney, John, VIMS	Szal, Gerald, MassDEP
662	e-mail	5/9/06	Diffuser Modeling Status Update	Voorhees, Mark, EPA	Smyth, Drew, TRC
663	article	5/1/06	Dead Zones Might Masculinize Fish	Env. Science & Technology	
664	e-mail	4/7/06	Fine Grid Model Questions	Voorhees, Mark, EPA	Sellars, Fred, TRC
665	memo	4/6/06	Fine Grid Model Answers	Baker, Richard	Voorhees, Mark, EPA
666	e-mail	4/4/06	Initial Modeling Runs for Fine Grid Version of TMDL	Sellars, Fred, TRC	Voorhees, Mark, EPA
667	memo	3/1/06	Volume and Heat Source with Momentum Flux: Theory	Hamrick, John, TetraTech	Voorhees, Mark, EPA
668	Review Notes	9/25/06	Backup Info and Review Notes of MKS Diffuser Modeling Analysis	Voorhees, Mark, EPA	Permit File
669	Memo	9/25/06	Review of MKS' 9/20/2006 Submittal of Modeling Results of Outfall Diffuser	Voorhees, Mark, EPA	Webster, David, EPA
670	memo	9/26/06	Additional Yellow Perch Data	Nagle, John, EPA	Permit File
671	Permit File	9/26/06	Final Permit for Mirant Kendall Station #MA0004898	EPA	
672	Response to Comments	9/26/06	Response to Comments (prepared with Final Permit for MKS)	EPA	Permit File
673	Letter	9/13/06	MassDEP Water Quality Certification Letter	Haas, Glenn, MassDEP	EPA
674	Letter	9/15/06	MACZM Consistency Review Letter	Snow-Cotter, Susan, MACZM	Konary, Shawn, Mirant
675	Policy	1/8/93	MA Surface WQ Standards - Implementation Policy for Mixing Zones	MassDEP	
676	Letter	9/21/06	Diffuser Modeling - 1998 to 2002 Comparison	Konary, Shawn, Mirant	Webster, David, EPA