

PROCEEDINGS INDEX

**REPORT OF THE RATE COMMISSION OF THE
METROPOLITAN ST. LOUIS SEWER DISTRICT
TO THE BOARD OF TRUSTEES OF THE
METROPOLITAN ST. LOUIS SEWER DISTRICT UPON
THE COMBINED WASTEWATER AND STORMWATER
RATE CHANGE PROPOSAL**

AUGUST 8, 2007

Exhibit Number	Index/Document Title	Tab Number
MSD 1	1. MSD Wastewater and Stormwater Rate Change Proposal document.....	1
	2. Rate Change Notice Cover Letters from Jeff Theerman:	
MSD 1A	A. Cover Letter from J. Theerman to BoT Chair.....	2
MSD 1B	B. Cover Letter from J. Theerman to Rate Commission Chair (Moved to MSD D).....	3
MSD 1C	3. Rate Commission Exhibit Index (Moved to MSD E)	4
MSD 2	4. PowerPoint Rate Proposal presentation to MSD BoT January 11, 2007.....	5
MSD 3	5. Phase II CIRP Project List (2007 - 2012)	6
NA	6. Rate Model Workpapers.....	7
MSD 4	7. All Rate Model Tables	8
MSD 5	8. All Rate Model Formulas (compact disk).....	9
	9. CDM I&I Study Documents:	
MSD 6	A. Rate Commission Requested Policy Analysis - January 2005	10
MSD 6A	B. Wet Weather Flow Cost Allocation Study EXECUTIVE SUMMARY - January 2005	11
MSD 6B	C. Wet Weather Flow Cost Allocation Study - January 2005	12
MSD 6C	D. PowerPoint Presentation: Wet Weather Flow Allocation Study and Other Rate Commission Policy Issues	13
MSD 7	10. 2003 Rate Commission Recommendation Report (Prior Deliberations).....	14
MSD 8	11. Bond Feasibility Study - Revenue Bond Series 2006C (Most Recent)..	15
MSD 9	12. Bond Covenant Summary	16

Exhibit Number	Index/Document Title	Tab Number
MSD 10	13. Rating Agency Summaries (As of Nov. 2006, Moody's; S&P; Fitch's)	17
	14. FY07 Budget Documents:	
MSD 11	A. Operating Budget Document	18
MSD 11A	B. CIRP Budget Document	19
MSD 12	15. PowerPoint Rate Proposal Presentation to Rate Commission March 2, 2007	20
MSD 13	16. Rate Proposal Group Meetings (Jeff Theerman) (Moved to MSD F)....	21
L&B 14	17. Rate Commission Procedural Schedule (Moved to L&B A)	22
L&B 15	18. Rate Commission Operational Rules, Regulations and Procedures (Moved to L&B B).....	23
L&B 16	19. Public Notice (Moved to L&B C).....	24
MSD 17	20. Direct Testimony Question Matrix	25
MSD 17A	A. Direct Testimony: Jeffrey Theerman, MSD	26
MSD 17B	B. Direct Testimony: Randy Hayman, MSD.....	27
MSD 17C	C. Direct Testimony: Jan Zimmerman, MSD.....	28
MSD 17D	D. Direct Testimony: Brian Hoelscher, MSD.....	29
MSD 17E	E. Direct Testimony: David St. Pierre, MSD	30
MSD 17F	F. Direct Testimony: Karl Tyminski, MSD	31
MSD 17G	G. Direct Testimony: Steve Sedgwick, CDM.....	32
MSD 17H	H. Direct Testimony: Keith Barber, Black & Veatch.....	33
MSD 17I	I. Formal Submission Cover Memo to Nancy Bowser, RC Secretary	34
MSD 18	21. 2005 Stormwater Utility Survey	35
MSD 19	22. Rate Commission Exhibit Index – UPDATED (Moved to MSD G).....	see Tab 284
L&B 20(1)	23. Discovery Request L&B 3/27/07	37
MSD 20	MSD Response to Discovery Request L&B 3/27/07	38
MSD 20A	Exhibit Index MSD Response to Discovery Request 3/27/07	39
MSD 20B	MSD Finance Plan	40
MSD 20C	Bond Document 2006B	41
MSD 20D	Bond Document 2004B	42

Exhibit Number	Index/Document Title	Tab Number
MSD 20E	Bond Document 2006A	43
MSD 20F	Bond Document 2004A	44
MSD 20G	Bond Document 2005A	45
MSD 20H	Gilmore & Bell Letter	46
MSD 20I	Summary of Bond Covenants	47
MSD 20J	MSD User Charge Rate Affordability Study	48
MSD 20K	Rate Proposal - Alternative Scenarios with Additional Bonds	49
MSD 20L	06/07 Operations Budget-Monnie Projects	50
MSD 20M	MDNR Clean Water State Revolving Fund Intended Use Plan, State Grant and Loan Priority List and Program Application Forms & Instructions	51
MSD 20N	Flow Chart for the State Revolving Fund	52
MSD 20O	Master Bond Certificate	53
MSD 20P	2007 Median Ratios for Water Sewer Revenue Bonds	54
MSD 20Q	Fitch MSDF Debt Assumptions	55
MSD 20R	Fitch Calculations	56
MSD 20S	1377th Meeting of the Board of Trustees Agenda	57
MSD 20T	1378th Journal Certification	58
MSD 20U	1389th Meeting of the Board of Trustees Agenda	59
MSD 20V	2507th Certified Resolution	60
MSD 20W	CAFR 2005	61
MSD 20X	CAFR 2006	62
MSD 20Y	Ordinance 12221	63
MSD 20Z	Certificate Ordinance 12221	64
MSD 20A1	Certified Resolution 2643	65
MSD 20A2	Stormwater Utilities by States and Provinces	66
MSD 20A3	Representative Stormwater Utility Experience	67
MSD 20A4	Storm Water Activities Funding Survey Results	68
MSD 20A5	Florida Stormwater Utility Rates	69
MSD 20A6	Stormwater Utility Rates in Iowa	70

Exhibit Number	Index/Document Title	Tab Number
MSD 20A7	Stormwater Utility Rates in Tennessee	71
MSD 20A8	Stormwater Utility Rates in Illinois	72
MSD 20A9	Comparison of Wisconsin Stormwater Utilities.....	73
MSD 20A10	Monthly NC Stormwater Fees for an Average Single-Family Detached Residential Unit.....	74
MSD 20A11	Table 2 University of South Carolina	75
MSD 20A12	2005 Stormwater Utility Survey	76
MSD 20A13	Table 1 Summary of Municipal Stormwater Fee Structures in Canada.	77
MSD 20A14	Percent II Workpapers	78
MSD 20A15	Supporting Documents - City and County Assessors' Offices.....	79
MSD 20A16	Ordinance 9183	80
MSD 20A17	Ordinance 9030	81
MSD 20A18	Water Priority System	82
MSD 20A19	AMSA 1999 Financial Survey	83
MSD 20A20	MOU - Local 513; MOU - Local 2000	84
MSD 20A21	GASB 45 Projection	85
MSD 20A22	NACWA	86
MSD 20A23	Meramec Project March 31, 2003	87
MSD 20A24	Meramec Project June 30, 2003	88
MSD 20A25	Meramec Project October 31, 2003	89
MSD 20A26	Meramec Project February 29, 2004	90
MSD 20A27	Meramec Project June 30, 2004	91
MSD 20A28	Meramec Project March 31, 2005	92
MSD 20A29	Meramec Project December 31, 2005	93
MSD 20A30	Internal Audit Review Construction Review FY 2006	94
MSD 20A31	Delinquent Accounts and Billing Adjustments	95
MSD 20A32	Collections Perspective Aging of Sewer Service	96
MSD 20A33	Finance Activity Update FY07 2nd Quarter Performance	97
MSD 20A34	Low Income Program Cost Analysis	98
MSD 20A35	Low Income Program Workpapers	99

Exhibit Number	Index/Document Title	Tab Number
MSD 20A36	EPA 122.26	100
MSD 20A37	EPA 122.32	101
MSD 20A38	EPA 122.33	102
MSD 20A39	EPA 122.34	103
MSD 20A40	EPA 122.41	104
MSD 20A41	EPA 122.41	105
MSD 20A42	CSR DNR	106
MSD 20A43	Missouri State Operating Permit MO-R100010.....	107
MSD 20A44	Missouri State Operating Permit MO-R040005.....	108
MSD 20A45	St. Louis County Phase II Storm Water Management Plan	109
MSD 20A46	Federal CSO Policy	110
MSD 20A47	Revised Long-Term CSO Control Plan	111
MSD 20A48	Ordinance 11713	112
MSD 20A49	Lower Meramec Settlement Agreement with MDNR	113
MSD 20A50	Settlement Agreement dated July 29, 2002	114
MSD 20A51	Modification to July 29, 2002 Settlement Agreement	115
MSD 20A52	Significant Events NPDES Compliance	116
MSD 20A53	Major Challenges Regulatory Quality Control Compliance	117
MSD 20A54	Latest Draft of Proposed CMOM Rules	118
MSD 20A55	Guide of Evaluating Capacity, Management, Operation and Maintenance Program (CMOM)	119
MSD 20A56	Stormwater Project Database	120
MSD 20A57	1993 Rate Report	121
MSD 20A58	New York City Water Board Water and Wastewater Rate Schedule ..	122
MSD 20A59	Ordinance 7543	123
MSD 20A60	Business Case (Operating Budget).....	124
MSD 20A61	Stormwater User Charge Study August 2003	125
MSD 20A62	Stormwater Advisory Committee Reports	126
MSD 20A63	Report from the Stormwater Advisory Committee	127
MSD 20A64	Certificate Stormwater Committee Minutes	128

Exhibit Number	Index/Document Title	Tab Number
MSD 21	24. Amendment to Direct Testimony of Randy Hayman	129
MSD 21A	Notice of Intent to Bring Civil Suit under 33 U.S.C. 1363 for Violations of the Clean Water Act	130
MSD 21B	Amendment to Direct Testimony of Jeff Theerman	131
MSD 21C	Amended Direct Testimony Question Matrix	132
MSD 22	25. Affidavit - St. Louis Business Journal	133
MSD 22A	The St. Louis American 3/15/07	134
MSD 22B	St. Louis Post-Dispatch	135
MSD 22C	Arch City Chronicle	136
MSD 22D	St. Louis Chinese American News	137
MSD 22E	Call Publishing Inc.	138
MSD 22F	St. Louis American 3/29/07	139
MON 23(1)	26. Discovery Request Monarch-Chesterfield 4/11/07	140
MSD 23	MSD Response to Discovery Request Monarch-Chesterfield 4/11/07.....	141
MSD 23A	Exhibit Index MSD Response to Discovery Request 4/11/07	142
MSD 23B	Facility Map of Monarch-Chesterfield Levee District	143
MSD 23C	Facility Map of Howard Bend Levee District	144
MSD 23D	Facility Map of Earth City Levee; Facility Map of Riverport Levee District.....	145
MSD 23E	Work Order Listing	146
MSD 23F	Ordinance 9030 (Certified)	147
MSD 23G	MSD Dept. Direct Operating Cost Allocation Workpapers	148
MSD 23H	Fin/IS Projected SW Operating Costs	149
Levee District 23I	Adjustments and Credit Policy Modifications	150
MSD 23J	2003 & 2006 Credit Policy Support Allocations	151
MSD 23K	SW Advisory Committee Report	152
MSD 23L	SW Advisory Committee Composition	153
MSD 23M	Amendment to MSD Response 4/23/07 to Discovery Request Monarch 4/11/07	154

Exhibit Number	Index/Document Title	Tab Number
MSD 24	27. WEF Financing and Charges for Wastewater Systems	155
AGC/SITE 25(1)	28. Discovery Request AGC/SITE 4/17/07	156
MSD 25	MSD Response to Discovery Request AGC/SITE 4/17/07	157
MEG 26(1)	29. Discovery Request MEG 4/16/07	158
MSD 26	MSD Response to Discovery Request MEG 4/16/07	159
MSD 26A	Exhibit Index MSD Response to Discovery Request 4/16/07	160
MSD 26B	MSD 40 Year Preliminary User Charge Rate Projection	161
MSD 26C	Debt Alternatives	162
MSD 26D	Plant Flows	163
AGC/SITE 27(1)	30. Second Discovery Request AGC/SITE 4/23/07.....	164
MSD 27	MSD Response to 2nd Discovery Request AGC/SITE 4/23/07	165
MSD 27A	Exhibit Index MSD Response to 2nd Discovery Request AGC/SITE 4/23/07	166
MSD 27B-27B13	CDM Comparable Utilities Stormwater Credit Provision Historical Data Reports [168A through N].....	167/168
MSD 27C	Amendment to MSD Response 5/1/07 to Discovery Request AGC/SITE 4/23/07.....	169
MSD 27D	Exhibit Index to MSD Amended Response to Discovery Request 4/23/07.....	170
MSD 27E-27E11	Stormwater Credit and Procedure Manuals [171A through M].....	171
MIEC 28(1)	31. Discovery Request MIEC 4/23/07	172
MSD 28	MSD Response to Discovery Request MIEC 4/23/07	173
MSD 28A	Exhibit Index MSD Response to Discovery Request MIEC 4/23/07	174
MSD 28B	Rate Model Table K-3	175
MSD 28C-28C2	FY03, FY04, & FY05 MSD Annual Reports [176A, B, C].....	176
MSD 28D-28D4	Debt Rating Support Documents	177
MSD 28E	Fitch Median Ratios for Water and Sewer Revenue Bonds.....	178
MSD 28F	Rate Commission 5 Year Plan	179
MEG 29 (1)	32. Second Discovery Request MEG 4/25/07	180
MSD 29	MSD Response to 2nd Discovery Request MEG 4/25/07	181

Exhibit Number	Index/Document Title	Tab Number
MSD 29A	Exhibit Index MSD Response to 2nd Discovery Request MEG 4/25/07.....	182
MSD 29B & 29B1	Exhibit # MSD 20J in Microsoft Excel electronic format	183
MSD 29C	Table 3.7 [SEE Tab 218].....	184
MSD 29D	Dropped Projects	185
MSD 29E	MSD BoT Finance Committee Minutes / PFM Draft Finance Plan	186
MSD 29F	Financial Ratios	187
MSD 29G	CIRP Project Average Depreciation Life	188
L&B 30 (1)	33. Second Discovery Request L&B 4/25/07MSD 30.....	189
	MSD Response to 2nd Discovery Request L&B RC 4/25/07	190
MSD 30A	Exhibit Index MSD Response to 2nd Discovery Request L&B Rate Commission 4/25/07	191
MSD 30B	CDM Resistance Factor Workpapers	192
MSD 30C	MSD 2008 - 2012 Strategic Operating Plan	193
MSD 30D-30D13	CDM Comparable Utilities Bad Debt Provision Historical Data Reports [194A through O].....	194
MSD 30E	Ordinance 9031	195
MSD 30F	Ordinance 12356	196
MSD 30G-30G5	Updated Treatment Plant Facility Plans	197
MSD 30H & 30H1	EPA Section 308 Letters	198
MSD 30I	SKME Report (compact disk).....	199
MSD 30J	Ordinance 8656	200
MSD 30K	Ordinance 9249	201
MSD 30L	Ordinance 10007	202
MSD 30M-30M5	MSD Wastewater Revenue Bonds, Series 2006C Closing Certificate and Opinion of Counsel to the Board.....	203
MON 31(1)	34. Second Discovery Request Monarch 4/27/07	204
MSD 31	MSD Response to 2nd Discovery Request Monarch 4/27/07; and MSD 31A – Amendment to Discovery Request Monarch 4/11/07.....	205
MIEC 32(1)	35. Second Discovery Request MIEC 4/30/07	206

Exhibit Number	Index/Document Title	Tab Number
MSD 32	MSD Response to 2nd Discovery Request MIEC 4/30/07	207
COHEN 33	36. Rebuttal - Testimony of Intervenor Michael Cohen	208
MON 34	37. Rebuttal - Monarch: Testimony of Robert G. Butchko	209
MON 34A	Testimony of Ryan Hodges	210
MEG 35	38. Rebuttal - MEG: Testimony of Drazen Consulting Group	211
MIEC 36	39. Rebuttal - MIEC - Testimony of Michael Gorman	212
L&B 37	40. Rebuttal - L&B - Testimony of William Stannard	213
L&B 37A	William Stannard Bio	214
L&B 37B	Resistance Factor Analysis	215
L&B 37C	City of Portland Oregon Bond Series 2007 Series A	216
L&B 37D	City Sewer Bond Ratings Upgraded	217
L&B 37E	Table 3-7	218
MEG 38(1)	41. Third Discovery Request MEG 5/10/07	219
MSD 38	MSD Response to 3rd Discovery Request MEG 5/10/07	220
MSD 38A	Exhibit Index MSD Response to 3rd Discovery Request MEG 5/10/07.....	221
MSD 38B	Rate Model Table G-15	222
AGC/SITE 39(1)	42. Third Discovery Request AGC/SITE 5/11/07	223
MSD 39	MSD Response to 3rd Discovery Request AGC/SITE 5/11/07	224
MSD 39A	Exhibit Index MSD Response to 3rd Discovery Request AGC/SITE 5/11/07	225
MSD 39B	Charter (Plan) of the Metropolitan St. Louis Sewer District	226
MEG 40(1)	43. Fourth Discovery Request MEG 5/18/07	227
MSD 40	MSD Response to 4th Discovery Request MEG 5/18/07	228
MSD 40A	Exhibit Index MSD Response to 4th Discovery Request MEG 5/18/07.....	229
MSD 40B	Estimated Stormwater Charges	230
MSD 40D	Amended Response to 4th Discovery Request MEG 5/18/07	231
MSD 40C	Proposed Wastewater (WW) Rates Projection	232
L&B 41(1)	44. Third Discovery Request L&B 5/14/07	233

Exhibit Number	Index/Document Title	Tab Number
MSD 41	MSD Response to 3rd Discovery Request L&B 5/14/07.....	234
MSD 41A	Exhibit Index MSD Response to 3rd Discovery Request Rate Commission L&B 5/14/07	235
MSD 41B	Comparative CIRP Level	236
MSD 42	45. Surrebuttal Testimony Question Matrix	237
MSD 42A	Formal Submittal Document of Surrebuttal Testimony	238
MSD 42B	A. Testimony: Jeffrey Theerman, MSD	239
MSD 42C	B. Testimony: Jan Zimmerman, MSD	240
MSD 42D	C. Testimony: Brian Hoelscher, MSD.....	241
MSD 42E	D. Testimony: Karl Tyminski, MSD	242
MSD 42F	E. Testimony: Steve Sedgwick, CDM	243
MSD 42G	F. Testimony: Keith Barber, B&V	244
MSD 42H	Financing Alternatives	245
MSD 42I	B&V Drazen Surrebuttal Cost Analysis	246
MSD 42J	Fitch Ratings 2005 Special Report	247
MSD 42K	Standard & Poors 2004 Research Report	248
MSD 42L	1984 Wastewater Rate Design Manual	249
MSD 42M	M1 Water Rates Manual	250
MSD 42N	2007 Median Bond Ratios	251
MIEC 43	46. Surrebuttal - Michael Gorman	252
AGC/SITE 44(1)	47. Discovery Request AGC/SITE to Monarch-Chesterfield Levee District 5/11/07.....	253
MON 44	Response to AGC Discovery Request to Monarch-Chesterfield Levee District.....	254
MON 44A	Earth City Levee District	255
MON 44B	Riverport Levee District	256
MON 44C	Howard Bend Levee District	257
MSD 45	48. Letter from John B. Askew EPA	258
MSD 46	49. Letter from Kurt U. Schaefer DNR	259
MSD 47	50. MSD Prehearing Conference Report Summary	260

Exhibit Number	Index/Document Title	Tab Number
PEPPERDINE 48	51. Public Hearing 6/7/07 Fishpot Creek Photos – Pepperdine Ct. together with	
PEPPERDINE 49	52. Public Hearing 6/9/07 Pepperdine Ct. Videos (compact disk).....	261/262
MEG 50	53. MEG Prehearing Conference Report Summary	263
L&B 51	54. L&B Prehearing Conference Report Summary	264
MSD 52	55. MSD Prehearing Conference Report	265
MSD 52A	USA & The State of Missouri v. MSD	266
MSD 52B	Fitch Ratings March 22, 2007 Report	267
MSD 52C	S&P June 1, 2007 Report	268
L&B 53	56. L&B Prehearing Conference Report	269
MIEC 54	57. MIEC Prehearing Conference Report	270
COHEN 55	58. COHEN Prehearing Conference Report	271
MON 56	59. Monarch-Chesterfield Levee District Prehearing Conference Report .	272
AGC/SITE 57	60. AGC/SITE Prehearing Conference Report	273
MEG 58	61. MEG Prehearing Conference Report	274
EPA 59	62. EPA Testimony before RC @ 6/14/07 Public Hearing	275
GRAND GLEN 60	63. Public Hearing 6/14/07 Grand Glen Document & Photos (compact disk).....	276
MSD 61	64. Final Exhibit Index Submittal June 26, 2007	277
MSD 62	65. MSD Final Closing Arguments	278
AGC/SITE 63	66. AGC/SITE Closing Argument	279
MON 64	67. Proposed Intergovernmental Cooperation Agreement between MSD and Levee Districts	280
MSD 65	68. MSD Response to AGC/SITE Closing Arguments	281
MIEC 66	69. MIEG Response to AGC/SITE Closing Arguments	282
MEG 67	70. MEG Response to AGC/SITE Closing Arguments	283
MSD 68	71. Adjusted FINAL Exhibit Index.....	284

Exhibit Number	Index/Document Title	Tab Number
---------------------------	-----------------------------	-----------------------

ADMINISTRATIVE DOCUMENT INDEX

Exhibit Number	Submittal Materials:	
	1. Rate Change Notice Cover Letters from Jeff Theerman:	
MSD 1B	B. Cover Letter from J. Theerman to Rate Commission Chair.....	285
MSD 1C	2. Rate Commission Exhibit Index	See Tab 284
MSD 13	3. Rate Proposal Group Meetings (Jeff Theerman).....	287
L&B 14	4. Rate Commission Procedural Schedule	22
L&B 15	5. Rate Commission Operational Rules, Regulations and Procedures.....	23
L&B 16	6. Public Notice	See Tab 24
MSD 19	7. Rate Commission Exhibit Index – UPDATED.....	See Tab 284
MSD H	8. 2007 Rate Deliberation Interveners.....	289
L&B I	9. Resolution of the Rate Commission (Executed)	290
MSD J	10. Transcript of Technical Conference April 19, 2007	291
MSD K	11. Transcript for Technical Conference April 20, 2007	292
MSD L	12. Transcript for Technical Conference May 9, 2007	293
MSD M	13. Transcript for Technical Conference May 10, 2007	294
MSD N	14. Transcript for Technical Conference May 30, 2007	295
MSD O	15. Transcript Public Hearing June 7, 2007	296
MSD P	16. Transcript Public Hearing June 9, 2007	297
MSD Q	17. Transcript Pre-Hearing Conference June 11, 2007	298
MSD R	18. Transcript Public Hearing June 12, 2007	299
MSD S	19. Transcript Public Hearing June 13, 2007	300
MSD T	20. Transcript Public Hearing June 14, 2007	301
L&B U	21. Issues/Determinations/Checklist	302
MSD 69	MSD’s 7-23-07 Rate Commission Deliberation Letter.....	303
MSD 70	Fiscal Impact of Single Impervious Stormwater Rate	304
	MSD Fiscal Note Exhibit 1 and Exhibit 2.....	305
MEG 71	MEG Analysis.....	306