

NUVEEN MISSOURI PREMIUM INCOME MUNICIPAL FUND

Form NSAR-B

July 28, 2010

PAGE 1
000 B000000 05/31/2010
000 C000000 0000899782
000 D000000 N
000 E000000 NF
000 F000000 Y
000 G000000 N
000 H000000 N
000 I000000 6.1
000 J000000 A
001 A000000 NUVEEN MISSOURI PREMIUM INCOME MUNICIPAL FUND
001 B000000 811-07616
001 C000000 3129178200
002 A000000 333 WEST WACKER DRIVE
002 B000000 CHICAGO
002 C000000 IL
002 D010000 60606
002 D020000 1286
003 000000 N
004 000000 N
005 000000 N
006 000000 N
007 A000000 N
007 B000000 0
007 C010100 1
007 C010200 2
007 C010300 3
007 C010400 4
007 C010500 5
007 C010600 6
007 C010700 7
007 C010800 8
007 C010900 9
007 C011000 10
008 A000001 NUVEEN ASSET MANAGEMENT
008 B000001 A
008 C000001 801-14147
008 D010001 CHICAGO
008 D020001 IL
008 D030001 60606
008 D040001 1286
012 A000001 EQUISERVE INC.
012 B000001 84-05925
012 C010001 PROVIDENCE
012 C020001 RI
012 C030001 02940
013 A000001 ERNST & YOUNG LLP
013 B010001 CHICAGO
013 B020001 IL
013 B030001 60606
014 A000001 NUVEEN INVESTMENTS, LLC
014 B000001 8-13464
PAGE 2
015 A000001 STATE STREET BANK AND TRUST COMPANY
015 B000001 C
015 C010001 BOSTON
015 C020001 MA
015 C030001 02110
015 E010001 X

Edgar Filing: NUVEEN MISSOURI PREMIUM INCOME MUNICIPAL FUND - Form NSAR-B

018 000000 Y
 019 A000000 Y
 019 B000000 200
 019 C000000 NUVEENFUND
 020 C000001 0
 020 C000002 0
 020 C000003 0
 020 C000004 0
 020 C000005 0
 020 C000006 0
 020 C000007 0
 020 C000008 0
 020 C000009 0
 020 C000010 0
 021 000000 0
 022 A000001 STIFEL, NICOLAUS & CO
 022 B000001 43-0538770
 022 C000001 2650
 022 D000001 0
 022 A000002 MORGAN STANLEY
 022 B000002 13-2655998
 022 C000002 1987
 022 D000002 0
 022 A000003 GEORGE K. BAUM & CO.
 022 B000003 44-0522232
 022 C000003 1838
 022 D000003 0
 022 A000004 MERRILL LYNCH
 022 B000004 13-5674085
 022 C000004 1059
 022 D000004 0
 022 A000005 JP MORGAN CHASE
 022 B000005 13-3224016
 022 C000005 518
 022 D000005 0
 022 C000006 0
 022 D000006 0
 022 C000007 0
 022 D000007 0
 022 C000008 0
 022 D000008 0
 022 C000009 0
 022 D000009 0
 022 C000010 0
 022 D000010 0
 PAGE 3
 023 C000000 8052
 023 D000000 0
 024 000000 N
 025 D000001 0
 025 D000002 0
 025 D000003 0
 025 D000004 0
 025 D000005 0
 025 D000006 0
 025 D000007 0
 025 D000008 0
 026 A000000 N
 026 B000000 N
 026 C000000 N
 026 D000000 Y
 026 E000000 N

Edgar Filing: NUVEEN MISSOURI PREMIUM INCOME MUNICIPAL FUND - Form NSAR-B

026	F000000	N	
026	G010000	N	
026	G020000	N	
026	H000000	N	
027	000000	N	
028	A010000		0
028	A020000		0
028	A030000		0
028	A040000		0
028	B010000		0
028	B020000		0
028	B030000		0
028	B040000		0
028	C010000		0
028	C020000		0
028	C030000		0
028	C040000		0
028	D010000		0
028	D020000		0
028	D030000		0
028	D040000		0
028	E010000		0
028	E020000		0
028	E030000		0
028	E040000		0
028	F010000		0
028	F020000		0
028	F030000		0
028	F040000		0
028	G010000		0
028	G020000		0
028	G030000		0
028	G040000		0
028	H000000		0
030	A000000		0
	PAGE	4	
030	B000000		0.00
030	C000000		0.00
031	A000000		0
031	B000000		0
032	000000		0
033	000000		0
035	000000		0
036	B000000		0
038	000000		0
042	A000000		0
042	B000000		0
042	C000000		0
042	D000000		0
042	E000000		0
042	F000000		0
042	G000000		0
042	H000000		0
043	000000		0
044	000000		0
045	000000	Y	
046	000000	N	
047	000000	N	
048	000000		0.000
048	A010000		0
048	A020000		0.000
048	B010000		0

Edgar Filing: NUVEEN MISSOURI PREMIUM INCOME MUNICIPAL FUND - Form NSAR-B

048 B020000 0.000
048 C010000 0
048 C020000 0.000
048 D010000 0
048 D020000 0.000
048 E010000 0
048 E020000 0.000
048 F010000 0
048 F020000 0.000
048 G010000 0
048 G020000 0.000
048 H010000 0
048 H020000 0.000
048 I010000 0
048 I020000 0.000
048 J010000 0
048 J020000 0.000
048 K010000 0
048 K020000 0.000
049 000000 N
050 000000 N
051 000000 N
052 000000 Y
053 A000000 N
054 A000000 Y
PAGE 5
054 B000000 N
054 C000000 N
054 D000000 N
054 E000000 N
054 F000000 N
054 G000000 N
054 H000000 Y
054 I000000 N
054 J000000 Y
054 K000000 N
054 L000000 N
054 M000000 Y
054 N000000 N
054 O000000 Y
055 A000000 Y
055 B000000 N
056 000000 Y
057 000000 N
058 A000000 N
059 000000 Y
060 A000000 Y
060 B000000 Y
061 000000 0
062 A000000 Y
062 B000000 0.0
062 C000000 0.0
062 D000000 0.0
062 E000000 0.0
062 F000000 0.0
062 G000000 0.0
062 H000000 0.0
062 I000000 0.0
062 J000000 0.0
062 K000000 0.0
062 L000000 0.0
062 M000000 0.0

Edgar Filing: NUVEEN MISSOURI PREMIUM INCOME MUNICIPAL FUND - Form NSAR-B

062	N000000	0.0
062	O000000	156.9
062	P000000	0.0
062	Q000000	0.0
062	R000000	0.0
063	A000000	0
063	B000000	9.0
064	A000000	Y
064	B000000	N
066	A000000	N
067	000000	N
068	A000000	N
068	B000000	N
069	000000	N
070	A010000	Y
	PAGE	6
070	A020000	N
070	B010000	N
070	B020000	N
070	C010000	Y
070	C020000	N
070	D010000	N
070	D020000	N
070	E010000	Y
070	E020000	N
070	F010000	N
070	F020000	N
070	G010000	Y
070	G020000	N
070	H010000	N
070	H020000	N
070	I010000	N
070	I020000	N
070	J010000	Y
070	J020000	N
070	K010000	N
070	K020000	N
070	L010000	N
070	L020000	N
070	M010000	N
070	M020000	N
070	N010000	N
070	N020000	N
070	O010000	Y
070	O020000	N
070	P010000	N
070	P020000	N
070	Q010000	N
070	Q020000	N
070	R010000	N
070	R020000	N
071	A000000	8052
071	B000000	2920
071	C000000	44043
071	D000000	7
072	A000000	12
072	B000000	2341
072	C000000	0
072	D000000	0
072	E000000	0
072	F000000	296
072	G000000	0

Edgar Filing: NUVEEN MISSOURI PREMIUM INCOME MUNICIPAL FUND - Form NSAR-B

072 H000000 0
 072 I000000 13
 072 J000000 14
 072 K000000 7
 072 L000000 14

PAGE 7

072 M000000 1
 072 N000000 0
 072 O000000 0
 072 P000000 10
 072 Q000000 0
 072 R000000 10
 072 S000000 2
 072 T000000 0
 072 U000000 0
 072 V000000 0
 072 W000000 48
 072 X000000 415
 072 Y000000 0
 072 Z000000 1926
 072AA000000 12
 072BB000000 0
 072CC010000 2255
 072CC020000 0
 072DD010000 1571
 072DD020000 0
 072EE000000 0
 073 A010000 0.6795
 073 A020000 0.0000
 073 B000000 0.0000
 073 C000000 0.0000
 074 A000000 784
 074 B000000 0
 074 C000000 0
 074 D000000 49178
 074 E000000 0
 074 F000000 0
 074 G000000 0
 074 H000000 0
 074 I000000 0
 074 J000000 950
 074 K000000 0
 074 L000000 818
 074 M000000 8
 074 N000000 51738
 074 O000000 1987
 074 P000000 25
 074 Q000000 0
 074 R010000 0
 074 R020000 0
 074 R030000 0
 074 R040000 2378
 074 S000000 16000
 074 T000000 31348
 074 U010000 2314
 074 U020000 0
 074 V010000 13.55

PAGE 8

074 V020000 0.00
 074 W000000 0.0000
 074 X000000 124
 074 Y000000 4212

Edgar Filing: NUVEEN MISSOURI PREMIUM INCOME MUNICIPAL FUND - Form NSAR-B

075	A000000	0
075	B000000	30238
076	000000	16.50
077	A000000	Y
077	B000000	Y
077	C000000	Y
078	000000	N
080	A000000	CHUBB GROUP INSURANCE COMPANIES
080	B000000	BERKLEY, GREAT AMERICAN, ST. PAUL & CNA
080	C000000	110000
081	A000000	Y
081	B000000	199
082	A000000	N
082	B000000	0
083	A000000	N
083	B000000	0
084	A000000	N
084	B000000	0
085	A000000	Y
085	B000000	N
086	A010000	4
086	A020000	59
086	B010000	0
086	B020000	0
086	C010000	0
086	C020000	0
086	D010000	0
086	D020000	0
086	E010000	0
086	E020000	0
086	F010000	0
086	F020000	0
087	A010000	COMMON STOCK
087	A020000	67060Q108
087	A030000	NOM
088	A000000	N
088	B000000	N
088	C000000	N
088	D000000	Y
SIGNATURE	STEPHEN D. FOY	
TITLE	V.P. & CONTROLLER	