

NUVEEN MISSOURI PREMIUM INCOME MUNICIPAL FUND

Form NSAR-B

July 28, 2004

PAGE 1
000 B000000 05/31/2004
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 811-7616
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 ADVISORY CORP
008 B000001 A
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008 D010001 CHICAGO
008 D020001 IL
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008 D040001 1286
011 A000001 DELETE
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011 A000007 DELETE
011 A000008 DELETE
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012 A000001 EQUISERVE INC.
012 B000001 84-05925
PAGE 2
012 C010001 BOSTON
012 C020001 MA
012 C030001 02940
013 A000001 ERNST & YOUNG
013 B010001 CHICAGO
013 B020001 IL

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013 B030001 60611
014 A000001 NUVEEN INVESTMENTS, LLC
014 B000001 8-13464
015 A000001 STATE STREET BANK AND TRUST COMPANY
015 B000001 C
015 C010001 BOSTON
015 C020001 MA
015 C030001 02206
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020 C000006 0
020 C000007 0
020 C000008 0
020 C000009 0
020 C000010 0
021 000000 0
022 A000001 BANK OF AMERICA
022 B000001 56-2058405
022 C000001 2669
022 D000001 1156
022 A000002 FAHNESTOCK & CO.
022 B000002 13-5657518
022 C000002 3410
022 D000002 0
022 A000003 A.G. EDWARDS
022 B000003 43-0895447
022 C000003 1507
022 D000003 766
022 A000004 GRIFFIN KUBIK STEPHENS & THOMPSON
022 B000004 36-3083013
022 C000004 0
PAGE 3
022 D000004 1479
022 A000005 W.H. MELL
022 B000005 22-3023019
022 C000005 53
022 D000005 1339
022 A000006 KIRKPATRICK
022 B000006 47-0301070
022 C000006 1182
022 D000006 0
022 A000007 US BANCORP PIPER JAFFRAY, INC.
022 B000007 41-0953246
022 C000007 0
022 D000007 1105
022 A000008 CITIGROUP
022 B000008 13-3214963
022 C000008 509

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022	D000008	524
022	A000009	BB&T CAPITAL MARKETS
022	B000009	54-0294670
022	C000009	0
022	D000009	980
022	A000010	WACHOVIA SECURITIES
022	B000010	56-0927594
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022	D000010	967
023	C000000	12258
023	D000000	11649
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026	F000000	N
026	G010000	N
026	G020000	N
026	H000000	N
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028	B020000	0
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028	B040000	0
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030	C000000	0.00
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045	000000	Y
046	000000	N
047	000000	Y
048	000000	0.000
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048	B010000	125000
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048	B020000	0.638
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048	J020000	0.000
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048	K020000	0.575
049	000000	N
050	000000	N
051	000000	N
052	000000	N
053	A000000	N
054	A000000	Y
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

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054 M000000 Y
054 N000000 N
054 O000000 Y
055 A000000 Y
055 B000000 N
056 000000 N
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
PAGE 6
062 D000000 0.0
062 E000000 0.0
062 F000000 0.0
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062 I000000 0.0
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062 K000000 0.0
062 L000000 0.0
062 M000000 0.0
062 N000000 0.0
062 O000000 145.5
062 P000000 0.0
062 Q000000 0.0
062 R000000 0.0
063 A000000 0
063 B000000 8.7
064 A000000 Y
064 B000000 N
066 A000000 N
067 000000 N
068 A000000 N
068 B000000 N
069 000000 N
070 A010000 Y
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

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070	L010000	N	
070	L020000	N	
070	M010000	N	
070	M020000	N	
070	N010000	N	
	PAGE	7	
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	
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072	P000000		0
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072	W000000		54
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072CC	010000		0
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072EE	000000		0
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073	A020000		0.0000
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074	A000000		477
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074	B000000		0
074	C000000		0
074	D000000		46903
074	E000000		0

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074 F000000	0
074 G000000	0
074 H000000	0
074 I000000	0
074 J000000	31
074 K000000	0
074 L000000	859
074 M000000	2
074 N000000	48272
074 O000000	0
074 P000000	26
074 Q000000	0
074 R010000	0
074 R020000	0
074 R030000	0
074 R040000	15
074 S000000	16000
074 T000000	32231
074 U010000	2243
074 U020000	0
074 V010000	14.37
074 V020000	0.00
074 W000000	0.0000
074 X000000	194
074 Y000000	5193
075 A000000	0
075 B000000	33228
076 000000	15.15
077 A000000	Y
077 B000000	Y
077 Q010000	Y
077 Q020000	Y
078 000000	N
080 A000000	CHUBB GROUP OF INSURANCE COMPANIES
080 B000000	QUANTA INDEMNITY, AIG, GREAT AMERICAN, CNA
080 C000000	90000
081 A000000	Y
081 B000000	143
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	20
PAGE 9	
086 A020000	339
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

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088 A000000 N

088 B000000 N

088 C000000 N

088 D000000 Y

SIGNATURE STEPHEN D. FOY

TITLE V.P. & CONTROLLER