

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  
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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  
008 C000001 801-12353  
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008 D020001 IL  
008 D030001 60606  
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011 A000001 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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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
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022	A000010	WACHOVIA SECURITIES
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022	D000010	967
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048	B010000	125000
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048	I020000	0.000
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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	
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058	A000000	N	
059	000000	Y	
060	A000000	Y	
060	B000000	Y	
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062	C000000		0.0
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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	
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070	N020000	N	
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074 F000000	0
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074 H000000	0
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074 J000000	31
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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
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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