

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 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 A000009 DELETE  
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  
015 E010001 X  
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020 C000004 0  
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020 C000006 0  
020 C000007 0  
020 C000008 0  
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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
022	C000009	0
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022	A000010	WACHOVIA SECURITIES
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022	D000010	967
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028	A040000	0
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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  
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062 C000000 0.0  
PAGE 6  
062 D000000 0.0  
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062 Q000000 0.0  
062 R000000 0.0  
063 A000000 0  
063 B000000 8.7  
064 A000000 Y  
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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  
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070 F020000 N  
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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	
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070	O020000	N	
070	P010000	N	
070	P020000	N	
070	Q010000	N	
070	Q020000	N	
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070	R020000	N	
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074	C000000		0
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074	F000000	0
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074	Y000000	5193
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077	A000000	Y
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077	Q010000	Y
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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
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084	A000000	N
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086	D010000	0
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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