

NUVEEN MISSOURI PREMIUM INCOME MUNICIPAL FUND

Form NSAR-A

January 29, 2004

PAGE 1  
000 A000000 11/30/2003  
000 C000000 0000899782  
000 D000000 N  
000 E000000 NF  
000 F000000 Y  
000 G000000 N  
000 H000000 N  
000 I000000 6.1  
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001 B000000 811-7616  
001 C000000 3129178200  
002 A000000 333 WEST WACKER DRIVE  
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007 C010700 7  
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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  
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022 A000001 FAHNESTOCK & CO, INC.  
022 B000001 13-5657518  
022 C000001 3410  
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022 A000002 BANCAMERICA  
022 B000002 94-1687675  
022 C000002 1000  
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022 A000003 A.G. EDWARDS  
022 B000003 43-0895447  
022 C000003 1507  
022 D000003 0  
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 0  
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022 A000006 KIRKPATRICK  
022 B000006 47-0301070  
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022 A000007 BANC ONE  
022 B000007 31-1017233  
022 C000007 0  
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022 A000008 US BANCORP PIPER JAFFRAY, INC.  
022 B000008 41-0953246  
022 C000008 0

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022	D000008	664
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054	E000000	N
054	F000000	N
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054	H000000	Y
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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  
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070 K020000 N

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070	L010000	N	
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074 F000000	0
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086 E020000	0
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086 F020000	0

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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