

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
002 B000000 CHICAGO
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002 D010000 60606
002 D020000 1286
003 000000 N
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007 C010600 6
007 C010700 7
007 C010800 8
007 C010900 9
007 C011000 10
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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
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022 A000001 FAHNESTOCK & CO, INC.
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022 C000001 3410
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022 A000002 BANCAMERICA
022 B000002 94-1687675
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022 A000003 A.G. EDWARDS
022 B000003 43-0895447
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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
022 C000006 1182
022 D000006 0
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	J000000	Y
054	K000000	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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070	L010000	N	
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074 F000000	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