

NUVEEN MISSOURI PREMIUM INCOME MUNICIPAL FUND

Form NSAR-A

January 26, 2005

PAGE 1
000 A000000 11/30/2004
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
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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
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007 C010600 6
007 C010700 7
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007 C010900 9
007 C011000 10
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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 LLP
013 B010001 CHICAGO
013 B020001 IL

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013 B030001 60606
014 A000001 NUVEEN INVESTMENTS, LLC
014 B000001 8-13464
015 A000001 STATE STREET BANK AND TRUST COMPANY
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022 A000001 BANK OF AMERICA
022 B000001 56-2058405
022 C000001 1444
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022 A000002 ZIEGLER SECURITIES
022 B000002 39-0727640
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022 A000003 GEORGE K. BAUM
022 B000003 44-0522232
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022 A000004 STIFEL NICOLAUS
022 B000004 43-0538770
022 C000004 0
PAGE 3
022 D000004 1056
022 A000005 CREWS & ASSOCIATES
022 B000005 71-0522369
022 C000005 0
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022 A000006 FIRST SOUTHWEST
022 B000006 75-0708002
022 C000006 761
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022 A000007 A.G. EDWARDS
022 B000007 43-0895447
022 C000007 382
022 D000007 0
022 A000008 COMMERCE BANK OF KANSAS CITY
022 B000008 44-0206815
022 C000008 0

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022	D000008	316
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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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PAGE 6
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070 K020000 N

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070	L010000	N	
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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