

NUVEEN MISSOURI PREMIUM INCOME MUNICIPAL FUND

Form NSAR-A

January 26, 2005

PAGE 1
000 A000000 11/30/2004
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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 D020000 1286
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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 B000001 84-05925
PAGE 2
012 C010001 BOSTON
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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 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
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PAGE 3
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022 A000005 CREWS & ASSOCIATES
022 B000005 71-0522369
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022 A000006 FIRST SOUTHWEST
022 B000006 75-0708002
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022 B000007 43-0895447
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022 A000008 COMMERCE BANK OF KANSAS CITY
022 B000008 44-0206815
022 C000008 0

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054	E000000	N
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054	L000000	N

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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