

NUVEEN MISSOURI PREMIUM INCOME MUNICIPAL FUND

Form NSAR-B

July 25, 2005

PAGE 1
000 B000000 05/31/2005
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 811-07616
001 C000000 3129178200
002 A000000 333 WEST WACKER DRIVE
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002 D010000 60606
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007 C010400 4
007 C010500 5
007 C010600 6
007 C010700 7
007 C010800 8
007 C010900 9
007 C011000 10
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012 B000001 84-05925
PAGE 2
012 C010001 PROVIDENCE
012 C020001 RI
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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015 C020001 MA
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022 A000001 GEORGE K. BAUM
022 B000001 44-0522232
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022 A000002 BANK OF AMERICA
022 B000002 56-2058405
022 C000002 1444
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022 A000003 ZIEGLER SECURITIES
022 B000003 39-0727640
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022 A000004 UBS FINANCIAL SERVICES
022 B000004 13-2638166
022 C000004 546
PAGE 3
022 D000004 555
022 A000005 STIFEL, NICOLAUS & CO.
022 B000005 43-0538770
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022 D000005 1056
022 A000006 CREWS & ASSOC.
022 B000006 71-0522369
022 C000006 0
022 D000006 1053
022 A000007 US BANK
022 B000007 91-1157893
022 C000007 1028
022 D000007 0
022 A000008 FIRST ALBANY CORP.
022 B000008 14-1391446
022 C000008 0

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054	I000000	N
054	J000000	Y
054	K000000	N
054	L000000	N

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054 M000000 Y
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 054 O000000 Y
 055 A000000 Y
 055 B000000 N
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070	L010000	N	
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087	A020000	67060Q108
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088	B000000	N

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088 C000000 N

088 D000000 Y

SIGNATURE STEPHEN D. FOY

TITLE V.P. & CONTROLLER