

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
000 J000000 A
001 A000000 NUVEEN MISSOURI PREMIUM INCOME MUNICIPAL FUND
001 B000000 811-7616
001 C000000 3129178200
002 A000000 333 WEST WACKER DRIVE
002 B000000 CHICAGO
002 C000000 IL
002 D010000 60606
002 D020000 1286
003 000000 N
004 000000 N
005 000000 N
006 000000 N
007 A000000 N
007 B000000 0
007 C010100 1
007 C010200 2
007 C010300 3
007 C010400 4
007 C010500 5
007 C010600 6
007 C010700 7
007 C010800 8
007 C010900 9
007 C011000 10
008 A000001 NUVEEN ADVISORY CORP
008 B000001 A
008 C000001 801-12353
008 D010001 CHICAGO
008 D020001 IL
008 D030001 60606
008 D040001 1286
011 A000001 DELETE
011 A000002 DELETE
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011 A000006 DELETE
011 A000007 DELETE
011 A000008 DELETE
011 A000009 DELETE
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
015 C020001 MA
015 C030001 02206
015 E010001 X
015 A000002 DELETE
015 A000003 DELETE
015 A000004 DELETE
015 A000005 DELETE
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018 000000 Y
019 A000000 Y
019 B000000 142
019 C000000 NUVEENFUND
020 C000001 0
020 C000002 0
020 C000003 0
020 C000004 0
020 C000005 0
020 C000006 0
020 C000007 0
020 C000008 0
020 C000009 0
020 C000010 0
021 000000 0
022 A000001 FAHNESTOCK & CO, INC.
022 B000001 13-5657518
022 C000001 3410
022 D000001 0
022 A000002 BANCAMERICA
022 B000002 94-1687675
022 C000002 1000
022 D000002 1156
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
022 D000005 1339
022 A000006 KIRKPATRICK
022 B000006 47-0301070
022 C000006 1182
022 D000006 0
022 A000007 BANC ONE
022 B000007 31-1017233
022 C000007 0
022 D000007 967
022 A000008 US BANCORP PIPER JAFFRAY, INC.
022 B000008 41-0953246
022 C000008 0

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| | | |
|-----|---------|-------------------|
| 022 | D000008 | 664 |
| 022 | A000009 | CITIGROUP |
| 022 | B000009 | 13-3214963 |
| 022 | C000009 | 0 |
| 022 | D000009 | 524 |
| 022 | A000010 | EMMET & CO., INC. |
| 022 | B000010 | 22-2437539 |
| 022 | C000010 | 0 |
| 022 | D000010 | 506 |
| 023 | C000000 | 10027 |
| 023 | D000000 | 7409 |
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| 025 | D000002 | 0 |
| 025 | D000003 | 0 |
| 025 | D000004 | 0 |
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| 026 | D000000 | Y |
| 026 | E000000 | N |
| 026 | F000000 | N |
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| 026 | G020000 | N |
| 026 | H000000 | N |
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| 028 | A010000 | 0 |
| 028 | A020000 | 0 |
| 028 | A030000 | 0 |
| 028 | A040000 | 0 |
| 028 | B010000 | 0 |
| | PAGE | 4 |
| 028 | B020000 | 0 |
| 028 | B030000 | 0 |
| 028 | B040000 | 0 |
| 028 | C010000 | 0 |
| 028 | C020000 | 0 |
| 028 | C030000 | 0 |
| 028 | C040000 | 0 |
| 028 | D010000 | 0 |
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| 028 | D040000 | 0 |
| 028 | E010000 | 0 |
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| 028 | F030000 | 0 |
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| 028 | G010000 | 0 |
| 028 | G020000 | 0 |
| 028 | G030000 | 0 |
| 028 | G040000 | 0 |
| 028 | H000000 | 0 |
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| 030 | B000000 | 0.00 |

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| | | |
|-----|---------|---------|
| 030 | C000000 | 0.00 |
| 031 | A000000 | 0 |
| 031 | B000000 | 0 |
| 032 | 000000 | 0 |
| 033 | 000000 | 0 |
| 035 | 000000 | 0 |
| 036 | B000000 | 0 |
| 038 | 000000 | 0 |
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| 042 | B000000 | 0 |
| 042 | C000000 | 0 |
| 042 | D000000 | 0 |
| 042 | E000000 | 0 |
| 042 | F000000 | 0 |
| 042 | G000000 | 0 |
| 042 | H000000 | 0 |
| 043 | 000000 | 0 |
| 044 | 000000 | 0 |
| 045 | 000000 | Y |
| 046 | 000000 | N |
| 047 | 000000 | Y |
| 048 | 000000 | 0.000 |
| 048 | A010000 | 125000 |
| 048 | A020000 | 0.650 |
| 048 | B010000 | 125000 |
| | PAGE | 5 |
| 048 | B020000 | 0.638 |
| 048 | C010000 | 250000 |
| 048 | C020000 | 0.625 |
| 048 | D010000 | 500000 |
| 048 | D020000 | 0.613 |
| 048 | E010000 | 1000000 |
| 048 | E020000 | 0.600 |
| 048 | F010000 | 3000000 |
| 048 | F020000 | 0.588 |
| 048 | G010000 | 0 |
| 048 | G020000 | 0.000 |
| 048 | H010000 | 0 |
| 048 | H020000 | 0.000 |
| 048 | I010000 | 0 |
| 048 | I020000 | 0.000 |
| 048 | J010000 | 0 |
| 048 | J020000 | 0.000 |
| 048 | K010000 | 5000000 |
| 048 | K020000 | 0.575 |
| 049 | 000000 | N |
| 050 | 000000 | N |
| 051 | 000000 | N |
| 052 | 000000 | N |
| 053 | A000000 | N |
| 054 | A000000 | Y |
| 054 | B000000 | N |
| 054 | C000000 | N |
| 054 | D000000 | N |
| 054 | E000000 | N |
| 054 | F000000 | N |
| 054 | G000000 | N |
| 054 | H000000 | Y |
| 054 | I000000 | N |
| 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 | |
| 056 | 000000 | N | |
| 057 | 000000 | N | |
| 058 | A000000 | N | |
| 059 | 000000 | Y | |
| 060 | A000000 | Y | |
| 060 | B000000 | Y | |
| 061 | 000000 | | 0 |
| 062 | A000000 | Y | |
| 062 | B000000 | | 0.0 |
| 062 | C000000 | | 0.0 |
| | PAGE | 6 | |
| 062 | D000000 | | 0.0 |
| 062 | E000000 | | 0.0 |
| 062 | F000000 | | 0.0 |
| 062 | G000000 | | 0.0 |
| 062 | H000000 | | 0.0 |
| 062 | I000000 | | 0.0 |
| 062 | J000000 | | 0.0 |
| 062 | K000000 | | 0.0 |
| 062 | L000000 | | 0.0 |
| 062 | M000000 | | 0.0 |
| 062 | N000000 | | 0.0 |
| 062 | O000000 | | 150.8 |
| 062 | P000000 | | 0.0 |
| 062 | Q000000 | | 0.0 |
| 062 | R000000 | | 0.0 |
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| 063 | B000000 | | 8.0 |
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| 064 | B000000 | N | |
| 066 | A000000 | N | |
| 067 | 000000 | N | |
| 068 | A000000 | N | |
| 068 | B000000 | N | |
| 069 | 000000 | N | |
| 070 | A010000 | Y | |
| 070 | A020000 | N | |
| 070 | B010000 | N | |
| 070 | B020000 | N | |
| 070 | C010000 | Y | |
| 070 | C020000 | N | |
| 070 | D010000 | N | |
| 070 | D020000 | N | |
| 070 | E010000 | Y | |
| 070 | E020000 | N | |
| 070 | F010000 | N | |
| 070 | F020000 | N | |
| 070 | G010000 | Y | |
| 070 | G020000 | N | |
| 070 | H010000 | N | |
| 070 | H020000 | N | |
| 070 | I010000 | N | |
| 070 | I020000 | N | |
| 070 | J010000 | Y | |
| 070 | J020000 | N | |
| 070 | K010000 | N | |
| 070 | K020000 | N | |

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| | | | |
|-------|---------|----|--------|
| 070 | L010000 | N | |
| 070 | L020000 | N | |
| 070 | M010000 | N | |
| 070 | M020000 | N | |
| 070 | N010000 | N | |
| | PAGE | 7 | |
| 070 | N020000 | N | |
| 070 | O010000 | Y | |
| 070 | O020000 | N | |
| 070 | P010000 | N | |
| 070 | P020000 | N | |
| 070 | Q010000 | N | |
| 070 | Q020000 | N | |
| 070 | R010000 | N | |
| 070 | R020000 | N | |
| 071 | A000000 | | 10027 |
| 071 | B000000 | | 7409 |
| 071 | C000000 | | 48461 |
| 071 | D000000 | 15 | |
| 072 | A000000 | 6 | |
| 072 | B000000 | | 1277 |
| 072 | C000000 | | 0 |
| 072 | D000000 | | 0 |
| 072 | E000000 | | 0 |
| 072 | F000000 | | 159 |
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| 072 | I000000 | | 9 |
| 072 | J000000 | | 7 |
| 072 | K000000 | | 1 |
| 072 | L000000 | | 2 |
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| 072 | S000000 | | 0 |
| 072 | T000000 | | 0 |
| 072 | U000000 | | 0 |
| 072 | V000000 | | 0 |
| 072 | W000000 | | 29 |
| 072 | X000000 | | 212 |
| 072 | Y000000 | | 2 |
| 072 | Z000000 | | 1067 |
| 072AA | 000000 | | 413 |
| 072BB | 000000 | | 0 |
| 072CC | 010000 | | 0 |
| 072CC | 020000 | | 1497 |
| 072DD | 010000 | | 976 |
| 072DD | 020000 | | 0 |
| 072EE | 000000 | | 0 |
| 073 | A010000 | | 0.4380 |
| 073 | A020000 | | 0.0000 |
| 073 | B000000 | | 0.0000 |
| 073 | C000000 | | 0.0000 |
| 074 | A000000 | | 0 |
| | PAGE | 8 | |
| 074 | B000000 | | 0 |
| 074 | C000000 | | 0 |
| 074 | D000000 | | 50272 |
| 074 | E000000 | | 0 |

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| | |
|-------------|--------|
| 074 F000000 | 0 |
| 074 G000000 | 0 |
| 074 H000000 | 0 |
| 074 I000000 | 0 |
| 074 J000000 | 117 |
| 074 K000000 | 0 |
| 074 L000000 | 815 |
| 074 M000000 | 8 |
| 074 N000000 | 51212 |
| 074 O000000 | 501 |
| 074 P000000 | 26 |
| 074 Q000000 | 0 |
| 074 R010000 | 0 |
| 074 R020000 | 0 |
| 074 R030000 | 0 |
| 074 R040000 | 1343 |
| 074 S000000 | 16000 |
| 074 T000000 | 33342 |
| 074 U010000 | 2232 |
| 074 U020000 | 0 |
| 074 V010000 | 14.94 |
| 074 V020000 | 0.00 |
| 074 W000000 | 0.0000 |
| 074 X000000 | 210 |
| 074 Y000000 | 5383 |
| 075 A000000 | 0 |
| 075 B000000 | 33002 |
| 076 000000 | 17.00 |
| 077 A000000 | N |
| 078 000000 | N |
| 080 C000000 | 0 |
| 081 B000000 | 0 |
| 082 B000000 | 0 |
| 083 B000000 | 0 |
| 084 B000000 | 0 |
| 086 A010000 | 10 |
| 086 A020000 | 165 |
| 086 B010000 | 0 |
| 086 B020000 | 0 |
| 086 C010000 | 0 |
| 086 C020000 | 0 |
| 086 D010000 | 0 |
| 086 D020000 | 0 |
| 086 E010000 | 0 |
| 086 E020000 | 0 |
| 086 F010000 | 0 |
| 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 |