

NUVEEN MISSOURI PREMIUM INCOME MUNICIPAL FUND

Form NSAR-A

January 29, 2008

PAGE 1
000 A000000 11/30/2007
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 A000000 NUVEEN MISSOURI PREMIUM INCOME MUNICIPAL FUND
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001 C000000 3129178200
002 A000000 333 WEST WACKER DRIVE
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007 C010600 6
007 C010700 7
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008 A000001 NUVEEN ASSET MANAGEMENT
008 B000001 A
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008 D010001 CHICAGO
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008 D040001 1286
012 A000001 EQUISERVE INC.
012 B000001 84-05925
012 C010001 PROVIDENCE
012 C020001 RI
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013 A000001 ERNST & YOUNG LLP
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013 B030001 60606
014 A000001 NUVEEN INVESTMENTS, LLC
014 B000001 8-13464
PAGE 2
015 A000001 STATE STREET BANK AND TRUST COMPANY
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015 C010001 BOSTON
015 C020001 MA
015 C030001 02110
015 E010001 X

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087	A020000	67060Q108
087	A030000	NOM
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088	C000000	N
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SIGNATURE	STEPHEN D. FOY	
TITLE	V.P. & CONTROLLER	