

NUVEEN MISSOURI PREMIUM INCOME MUNICIPAL FUND

Form NSAR-A

January 30, 2012

PAGE 1  
000 A000000 11/30/2011  
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000 E000000 NF  
000 F000000 Y  
000 G000000 N  
000 H000000 N  
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000 J000000 A  
001 A000000 NUVEEN MISSOURI PREMIUM INCOME MUNICIPAL FUND  
001 B000000 811-07616  
001 C000000 3129178200  
002 A000000 333 WEST WACKER DRIVE  
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008 A000001 NUVEEN FUND ADVISORS, INC.  
008 B000001 A  
008 C000001 801-14147  
008 D010001 CHICAGO  
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008 A000002 NUVEEN ASSET MANAGEMENT, LLC  
008 B000002 S  
008 C000002 801-71957  
008 D010002 CHICAGO  
008 D020002 IL  
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008 D040002 1286  
012 A000001 EQUISERVE INC.  
012 B000001 84-05925  
012 C010001 PROVIDENCE  
012 C020001 RI  
PAGE 2  
012 C030001 02940  
013 A000001 ERNST & YOUNG LLP  
013 B010001 CHICAGO  
013 B020001 IL  
013 B030001 60606  
014 A000001 NUVEEN INVESTMENTS, LLC

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014 B000001 8-13464  
015 A000001 STATE STREET BANK AND TRUST COMPANY  
015 B000001 C  
015 C010001 BOSTON  
015 C020001 MA  
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022 A000002 STERN BROTHERS & CO  
022 B000002 43-1357568  
022 C000002 640  
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022 A000003 WILLIAM BLAIR  
022 B000003 36-2214610  
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022 A000004 JP MORGAN CHASE  
022 B000004 13-3224016  
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022 A000005 PIPER JAFFRAY  
022 B000005 41-0953246  
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022 A000006 MERRILL LYNCH  
022 B000006 13-5674085  
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022 D000006 0  
022 A000007 D.A. DAVIDSON  
022 B000007 81-0139474  
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022 A000008 BOSC INC  
022 B000008 73-1275307  
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022 A000010 RBC DOMINION  
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087	A030000	NOM
088	A000000	N
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088	C000000	N
088	D000000	Y

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SIGNATURE STEPHEN D. FOY  
TITLE V.P. & CONTROLLER