

NUVEEN MISSOURI PREMIUM INCOME MUNICIPAL FUND

Form NSAR-A

January 29, 2016

PAGE 1  
000 A000000 11/30/2015  
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 811-07616  
001 C000000 3129178200  
002 A000000 333 WEST WACKER DRIVE  
002 B000000 CHICAGO  
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002 D010000 60606  
002 D020000 1286  
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008 A000001 NUVEEN FUND ADVISORS, LLC  
008 B000001 A  
008 C000001 801-14147  
008 D010001 CHICAGO  
008 D020001 IL  
008 D030001 60606  
008 D040001 1286  
008 A000002 NUVEEN ASSET MANAGEMENT, LLC  
008 B000002 S  
008 C000002 801-71957  
008 D010002 CHICAGO  
008 D020002 IL  
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012 A000001 COMPUTERSHARE INC.  
012 B000001 84-05925  
012 C010001 PROVIDENCE  
012 C020001 RI  
012 C030001 02940  
013 A000001 KPMG LLP  
013 B010001 CHICAGO  
013 B020001 IL  
013 B030001 60601  
014 A000001 NUVEEN INVESTMENTS, LLC  
014 B000001 8-13464  
015 A000001 STATE STREET BANK AND TRUST COMPANY  
015 B000001 C  
PAGE 2  
015 C010001 BOSTON  
015 C020001 MA  
015 C030001 02110  
015 E010001 X  
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019	B000000	197
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070 B020000 N  
070 C010000 Y  
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070 D020000 N

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072	X000000		316
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072AA	000000		2
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PAGE 8	
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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 N  
SIGNATURE STEPHEN D. FOY  
TITLE V.P. & CONTROLLER