

NUVEEN MISSOURI PREMIUM INCOME MUNICIPAL FUND

Form NSAR-A

January 26, 2005

PAGE 1  
000 A000000 11/30/2004  
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000 E000000 NF  
000 F000000 Y  
000 G000000 N  
000 H000000 N  
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001 B000000 811-7616  
001 C000000 3129178200  
002 A000000 333 WEST WACKER DRIVE  
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002 D010000 60606  
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012 A000001 EQUISERVE INC.  
012 B000001 84-05925  
PAGE 2  
012 C010001 BOSTON  
012 C020001 MA  
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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022 A000002 ZIEGLER SECURITIES  
022 B000002 39-0727640  
022 C000002 1725  
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022 A000003 GEORGE K. BAUM  
022 B000003 44-0522232  
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022 A000004 STIFEL NICOLAUS  
022 B000004 43-0538770  
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PAGE 3  
022 D000004 1056  
022 A000005 CREWS & ASSOCIATES  
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022 A000006 FIRST SOUTHWEST  
022 B000006 75-0708002  
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022 A000007 A.G. EDWARDS  
022 B000007 43-0895447  
022 C000007 382  
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022 A000008 COMMERCE BANK OF KANSAS CITY  
022 B000008 44-0206815  
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022	D000008	316
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054 M000000 Y  
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070	L010000	N	
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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