

NUVEEN MISSOURI PREMIUM INCOME MUNICIPAL FUND

Form NSAR-A

January 31, 2011

PAGE 1
000 A000000 11/30/2010
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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008 D020001 IL
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008 D040001 1286
012 A000001 EQUISERVE INC.
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012 C020001 RI
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013 A000001 ERNST & YOUNG LLP
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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
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SIGNATURE STEPHEN D. FOY
TITLE V.P. & CONTROLLER