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Formerly			
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Name A. P. Green Industries, Inc.			
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I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE RESTATED CERTIFICATE OF "A. P. GREEN REFRACTORIES CO.", CHANGING ITS NAME FROM "A. P. GREEN REFRACTORIES CO." TO "A. P. GREEN INDUSTRIES, INC.", FILED IN THIS OFFICE ON THE TWENTY-FIRST DAY OF DECEMBER, A.D. 1987, AT 10 O'CLOCK A.M.



Edward I. Freel, Secretary of State

AUTHENTICATION:

DATE: 7528127

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