

RESOLUTION ADOPTED BY SOLE SHAREHOLDER
OF
BIGELOW-LIPTAK CORPORATION

The undersigned, A. P. GREEN REFRACTORIES CO., as the sole shareholder
of BIGELOW-LIPTAK CORPORATION, hereby adopts the following resolution:

RESOLVED, That Article I. of the Articles of Incorporation be,
and the same is hereby, amended to read as follows:

ARTICLE I.

The name assumed by this Corporation and by which it shall be
known in law, is A. P. GREEN SERVICES INC.

Executed this 8th day of November, 1985.

A. P. GREEN REFRACTORIES CO.

By Robert E. McIntosh
Chairman of the Board

