

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**

May 13, 2011

**ORDER GRANTING CONFIDENTIAL TREATMENT
UNDER THE SECURITIES ACT OF 1933**

Endwave Corporation

File No. 333-144054 - CF# 26684

Endwave Corporation submitted an application under Rule 406 requesting an extension of a previous grant of confidential treatment for information it excluded from Exhibit 10.2 to a Form S-3/A filed July 20, 2007.

Based on representations by Endwave Corporation that this information qualifies as confidential commercial or financial information under the Freedom of Information Act, 5 U.S.C. 552(b)(4), the Division of Corporation Finance has determined not to publicly disclose it. Accordingly, excluded information from the following exhibit(s) will not be released to the public for the time period(s) specified:

Exhibit 10.2 through March 15, 2016

For the Commission, by the Division of Corporation Finance, pursuant to delegated authority:

Kathleen Krebs
Special Counsel