

UNITED STATES OF AMERICA
Before the
SECURITIES AND EXCHANGE COMMISSION

SECURITIES EXCHANGE ACT OF 1934

Release No. 60470 / August 11, 2009

ADMINISTRATIVE PROCEEDING

File No. 3-13574

In the Matter of

**Atmospheric Glow
Technologies, Inc.,**

Respondent.

**ORDER INSTITUTING PROCEEDINGS, MAKING
FINDINGS, AND REVOKING REGISTRATION OF
SECURITIES PURSUANT TO SECTION 12(j) OF
THE SECURITIES EXCHANGE ACT OF 1934**

I.

The Securities and Exchange Commission (“Commission”) deems it necessary and appropriate for the protection of investors that proceedings be, and hereby are, instituted pursuant to Section 12(j) of the Securities Exchange Act of 1934 (“Exchange Act”), against Atmospheric Glow Technologies, Inc. (“Atmospheric Glow Technologies” or “Respondent”).

II.

In anticipation of the institution of these proceedings, Respondent has submitted an Offer of Settlement (the “Offer”) which the Commission has determined to accept. Solely for the purpose of these proceedings and any other proceedings brought by or on behalf of the Commission, or to which the Commission is a party, and without admitting or denying the findings herein, except as to the Commission’s jurisdiction over it and the subject matter of these proceedings, which are admitted, Respondent consents to the entry of this Order Instituting Proceedings, Making Findings, and Revoking Registration of Securities Pursuant to Section 12(j) of the Securities Exchange Act of 1934 (“Order”), as set forth below.

III.

On the basis of this Order and Respondent's Offer, the Commission finds¹ that:

A. Atmospheric Glow Technologies, a Delaware corporation based in Knoxville, Tennessee was a development stage company that conducted research and development activities to develop commercial applications for a patented process of non-thermal, atmospheric pressure processing for use in areas such as sterilization, decontamination, surface cleaning and etching. The common stock of Atmospheric Glow Technologies and its predecessors has been registered under Section 12 of the Exchange Act, 15 U.S.C. §78l, since 1997. Atmospheric Glow Technologies' stock is currently quoted by the Pink OTC Markets, Inc.

B. Atmospheric Glow Technologies has failed to comply with Section 13(a) of the Exchange Act and Rules 13a-1 and 13a-13 thereunder, 17 C.F.R. §§ 270.13a-1 and -13, while its common stock was registered with the Commission in that it has not filed an annual report on Form 10-K since its Form 10-K for the fiscal year ended March 31, 2007 or quarterly reports on Form 10-Q for any period subsequent to its quarter ending December 31, 2007.

IV.

Section 12(j) of the Exchange Act provides as follows:

The Commission is authorized, by order, as it deems necessary or appropriate for the protection of investors to deny, to suspend the effective date of, to suspend for a period not exceeding twelve months, or to revoke the registration of a security, if the Commission finds, on the record after notice and opportunity for hearing, that the issuer of such security has failed to comply with any provision of this title or the rules and regulations thereunder. No member of a national securities exchange, broker, or dealer shall make use of the mails or any means of instrumentality of interstate commerce to effect any transaction in, or to induce the purchase or sale of, any security the registration of which has been and is suspended or revoked pursuant to the preceding sentence.

In view of the foregoing, the Commission deems it necessary and appropriate for the protection of investors to impose the sanction specified in Respondent's Offer.

¹ The findings herein are made pursuant to Respondent's Offer of Settlement and are not binding on any other person or entity in this or any other proceeding.

Accordingly, it is hereby ORDERED, pursuant to Section 12(j) of the Exchange Act, that registration of each class of Respondent Atmospheric Glow Technologies' securities registered pursuant to Section 12 of the Exchange Act be, and hereby is, revoked.

By the Commission.

Elizabeth M. Murphy
Secretary