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**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549**

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 OR 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of Earliest Event Reported): **January 14, 2010**

INTERNATIONAL BARRIER TECHNOLOGY INC.

(Exact Name of Registrant as Specified in its Charter)

British Columbia, Canada

(State or other jurisdiction of incorporation)

000-20412

(Commission File Number)

N/A

(IRS Employer Identification No.)

750 West Pender Street, #604

Vancouver, British Columbia, Canada

(Address of principal executive offices)

V6C 2T7

(Zip Code)

Registrant's telephone number, including area code: **604-689-0188**

N/A

(Former Name or Former Address if Changed Since Last Report)

Check the appropriate box below if the Form 8K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- ☐ Written communications pursuant to Rule 425 under the Securities Act (17CFR230.425)
- ☐ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17CFR 240.14a-12)
- ☐ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- ☐ Pre-commencement communication pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

SEC 873 (02-08) **Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

Item 7.01 FD Disclosure.

January 14, 2010 - International Barrier Technology Inc. (“Barrier”) (**IBTGF: OTCBB; IBH: TSXV**) is pleased to announce that a Supply Agreement has been executed with a major North American manufacturer of oriented strand board (OSB). The manufacturer has requested to remain unnamed until they have formally announced their private labeled, fire-rated OSB product at the International Builder’s Show in Las Vegas on January 19, 2010.

Barrier will provide fire-treatment services for the OSB manufacturer at Barrier’s existing manufacturing facility in Watkins, MN. While the initial target market will be the wildfire hazard zones in the Wildland Urban Interface Zones (WUI) of California, Barrier anticipates improved sales volume will be shipped to all geographies in the US where a structural fire rated sheathing is required by local building code.

Refer to Exhibit #99.1 for additional information.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits:

99.1 January 14, 2010 Press Release

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Date: January 14, 2010

International Barrier Technologies Inc.
(Registrant)

/s/ Michael Huddy
(Signature)
(Michael Huddy, President/CEO/Director)



News Release
For Immediate Release:
January 14, 2010

***International Barrier Technology Signs Supply Agreement with Major OSB
Producer to Manufacture Private Label Fire-Rated OSB***

Watkins, MN; Vancouver, BC January 14, 2010 - International Barrier Technology Inc. ("Barrier") (IBTGF: OTCBB; IBH: TSXV) is pleased to announce that a Supply Agreement has been executed with a major North American manufacturer of oriented strand board (OSB). The manufacturer has requested to remain unnamed until they have formally announced their private labelled, fire-rated OSB product at the International Builder's Show in Las Vegas on January 19, 2010.

Barrier will provide fire-treatment services for the OSB manufacturer at Barrier's existing manufacturing facility in Watkins, MN. While the initial target market will be the wildfire hazard zones in the Wildland Urban Interface Zones (WUI) of California, Barrier anticipates improved sales volume will be shipped to all geographies in the US where a structural fire rated sheathing is required by local building code.

"The relationship structured by this Supply Agreement will enable our OSB manufacturing client to leverage and vertically integrate Barrier's existing product certifications and code evaluation reports with their OSB manufacturing capacity and extensive distribution network to provide a very strong presence in the market in a very short period of time," reports Dr. Michael Huddy, Barrier's President and CEO. "We could not be more pleased that this company has selected Barrier's Pyrotite™ technology to be their vehicle to provide an environmentally friendly, high performing, competitively priced, fire-rated OSB for the building community."

About International Barrier Technology Inc.

International Barrier Technology Inc. (OTCBB: IBTGF; TSXV: IBH) develops, manufactures, and markets proprietary fire-resistant building materials branded as Blazeguard®. Barrier's award-winning Blazeguard® wood panels use a patented, non-toxic, non-combustible coating with an extraordinary capability: it releases water in the heat of fire. The panels exceed "model" building code requirements in every targeted fire test and application, and are unique in combining properties that increase panel strength and minimize environmental and human impact. Blazeguard® provides Barrier's customers a premium material choice meeting an increasingly challenging combination of requirements in residential and commercial building construction. Blazeguard® customers include many of the top multifamily homebuilders, and commercial modular building manufacturers in the United States.

INTERNATIONAL BARRIER TECHNOLOGY INC.

/s/

Michael D. Huddy
President, Director

THE TSX VENTURE EXCHANGE HAS NOT REVIEWED AND DOES NOT ACCEPT RESPONSIBILITY FOR THE ADEQUACY OR ACCURACY OF THE CONTENT OF THIS PRESS RELEASE.

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www.intlbarrier.com

Forward-Looking Information: The statements in this news release contain forward-looking information within the meaning of the Private Securities Litigation Reform Act of 1995. Such forward-looking statements involve certain risks, assumptions and uncertainties, including but not limited to the ability to generate and secure product sales. In each case actual results may differ materially from such forward-looking statements. The company does not undertake to publicly update or revise its forward-looking statements even if experience or future changes make it clear that any projected results (expressed or modified) will not be realized.