Electronic Solutions Division
3M Austin Center

6801 River Place Boulevard
Austin, TX 78726-9000
512/984-1800

November 4, 2013

Dear 3M Static Control customers,

This letter is to notify you that all 3M Moisture Barrier Bag products previously placed on ship hold have been released from ship hold and are available for sale. We apologize for any inconvenience you have experienced during the period of this ship hold, as we investigated the Moisture Vapor Transmission Rate ("MVTR") performance of these bags.

During the course of our extensive investigation, we have conducted two different types of MVTR tests:

- Testing on MOCON™ equipment, which uses infrared sensing technology, as per ASTM F1249.
- Gravimetric testing, as per MIL-STD-3010C Test Method 3030, which measures the weight of the desiccant sample inside of a bag before and after exposure to the test conditions in order to determine the level of moisture penetration.

All testing was conducted by qualified third-parties.

We found the infrared test to be effective for our Dri-Shield foil barrier bags, including 3M™ Moisture Barrier Bag Dri-Shield 3000 and 3M™ Moisture Barrier Bag Dri-Shield 3400. A statistically valid set of samples for each of these foil barrier bags supports our original MVTR claim of 0.0003 grams/100in^2/day.

The infrared test was not as effective for our aluminized polyester bags, 3M™ Moisture Barrier Bag Dri-Shield 2000, 3M™ Moisture Barrier Bag Dri-Shield 2700, and 3M™ Moisture Barrier Bag 3370. In numerous tests, we were unable to obtain data that gave us enough certainty to publish revised MVTR values based on infrared sensing technology. As such, we elected to use the gravimetric test method, which has existed in the industry for many years. A statistically valid set of samples for each of these aluminized polyester bags revealed MVTR performance that differs from our previously stated specifications, as seen in the table below:

Product	New MVTR Typical Value*	Old MVTR Typical Value*
3M MBB 2000	0.035	0.020
3M MBB 2700	0.030	0.005
3M MBB 3370	0.028	0.020

*All values listed in grams/100in^2/day. New MVTR Typical Values are based on gravimetric testing, while older MVTR Values were based on infrared sensing technology.

Attached to this communication are revised data sheets for each of the 3M Moisture Barrier Bag 2000, the 3M Moisture Barrier Bag 2700, the 3M Moisture Barrier Bag 3000, the 3M Moisture Barrier Bag 3370 and the 3M Moisture Barrier Bag 3400. Electronic versions of these revised data sheets are also available on www.3M.com/static.

After evaluating the new MVTR values shown on the revised data sheets, we are urging customers to evaluate their particular use of any 3M Moisture Barrier Bag, in order to determine if the stated MVTR performance is appropriate for their application. As all barrier bags allow some amount of moisture to get inside, we recommend the use of desiccant and humidity indicator cards. Factors to consider when determining how much desiccant to use include:

- The MVTR of the bag
- The maximum amount of humidity allowed inside the bags, based on specific application
- The expected storage conditions of the bag (temperature and humidity)
- The expected storage time
- The capacity of the desiccant to capture moisture
- The size of the bag

It is very important that you immediately update any data sheets or other literature you may have regarding any of these Moisture Barrier Bags to reflect the revised values shown on the attached updated data sheets. In addition, you must immediately communicate the contents of this notice to your customers of 3M Moisture Barrier Bags.

In light of the revised MVTR specification for our aluminized polyester bags, if you have unused 3M product of those types, you may return that unused product and receive a refund of the purchase price. If you have any questions regarding this matter, please contact me.

At 3M, we always strive to deliver the utmost in customer satisfaction, and we regret that we may have fallen short in this case. We appreciate your business, and we will never stop seeking to improve.

Sincerely,

Matt Bosway
3M Electronic Solutions Division
Global Business Manager