



Epsilon Products Company, LLC
P.O. Box 432
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Marcus Hook, PA 19061-0432

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November 28, 2005

Attn: Document Control Desk
Director, Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, D.C., 20555-0001

Re: 30 Day Report for Incident No. 42100
Epsilon Products Company
Marcus Hook, PA 19061

Dear Sir or Madam:

The following information is being provided in accordance with 10 CFR 21.21 to document the abnormal failure of the pin that moves the shutter mechanism on a gauge at the Epsilon Products Company on October 31, 2005. The shutter mechanism failed in the closed position due to a manufacturing defect.

It is the opinion of Epsilon Products Company that the shutter mechanism of Ohmart/VEGA model SHD-45 (serial number 66437) failed to operate because of material stress to the shutter actuating shaft. This stress was due to a defect where a hole to accommodate a locking pin was drilled off center during the manufacturing process. This is the only model SHD-45 in use by Epsilon Products Company.

The manufacturer was notified by telephone on the day of the discovery of the failed mechanism. Epsilon Products Company's RSO ("site RSO") was informed that the Ohmart/VEGA model SHD-45 is no longer manufactured by Ohmart/VEGA. It was site RSO's understanding that model SHD-45 was discontinued due to known defects.

Photographs of the failed mechanism were taken and forwarded through email to the manufacturer on November 1, 2005 to evaluate the possible repair of the gauge. It was determined that a repair was not possible and a newer model SHF gauge is being planned for installation in our process.

If there are any further questions concerning the gauge failure, please contact Chris Bland, Health, Environmental, and Safety Manager at (215)-756-1633.

Sincerely,

Gus Hutras
Plant Manager

IE20

QS-9000
Registered

www.epsilonproducts.com

CC: Mr. Sattar Lodhi
U. S. Nuclear Regulatory Commission, Region I
Nuclear Material Section B
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