

October 28, 2005

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE -- PNO-III-05-014

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information is as initially received without verification or evaluation, and is basically all that is known by the Region III staff on this date.

Facility

MISTRAS Holding Group
d/b/a Conam Inspection
and Engineering Services, Inc.
Quality Services Laboratories, Inc.
Carol Stream, Illinois
License: 12-16559-02
Docket: 030-35114

Licensee Emergency Classification

☐ Notification of Unusual Event
☐ Alert
☐ Site Area Emergency
☐ General Emergency
☒ Not Applicable

SUBJECT: POTENTIAL RADIATION OVEREXPOSURE OF A RADIOGRAPHER

DESCRIPTION:

On October 27, 2005, the licensee notified the NRC Operations Center of a potential overexposure of a radiographer. On October 27, 2005, a radiography crew consisting of a radiographer and a radiographer's assistant were performing work at a temporary job site in Philadelphia, Pennsylvania. During the disassembly of the guide tube from the exposure device, the workers realized that the radiation source had not been fully retracted into the shielded position following the previous exposure.

The licensee's Regional Radiation Safety Manager investigated the event and, based on re-enactment of the work, calculated that the workers did not receive a whole body radiation dose in excess of regulatory limits. The radiographer noted his pocket ion chamber read off-scale. Licensee staff immediately sent the workers' dosimeters for emergency processing (the dosimetry results were expected to be reported October 28, 2005). However, based on the licensee's calculations, one radiographer may have received a radiation dose to the extremities between 330 and 360 rads. The radiographer was admitted to a hospital for precautionary measures. The licensee is continuing its evaluation of radiation dose to both workers.

Two NRC inspectors from NRC's Region I office were dispatched to the licensee's facility in Trainer, Pennsylvania on October 28, 2005, to assist Region III in review of the event. The inspectors will review the circumstances surrounding the potential overexposure, conduct a re-enactment, and review the licensee's response to the incident.

The Office of Nuclear Materials Safety and Safeguards, the State of Illinois, and the Commonwealth of Pennsylvania have been notified. The information in this preliminary notification has been reviewed with licensee management.

The licensee reported this event to the NRC Operations Center at 5:25 p.m. (EDT) on October 27, 2005. This information is current as of 11:00 a.m. (EDT) on October 28, 2005.

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