

## Incident 8/6/02

At approximately 2:30 pm on 8/6/02, an employee, Kenneth John, notified me, that a nuclear density gauge was involved in an accident.

The gauge was a Troxler 3411B moisture density gauge, Serial No. 16237, being used to conduct density tests on asphalt pavement. The employee had placed the gauge down in the vicinity of a roller and assisted the roller operator in removing asphalt that was picking up on his drum.

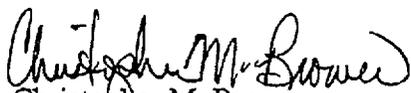
The employee then moved to the rear of the roller area and the operator got on the unit and backed up. At this point the gauge was in a safe area to the front of the roller. The roller operator then moved forward after freeing the material from his drum and struck the gauge. The gauge was pushed by the roller for a short distance and hit a dip in the road surface. Once the gauge hit this it fell on its side and was pushed into the hot asphalt.

The employee notified me as to the occurrence and I had him immediately secure the area. The gauge was moved a short distance from the hot asphalt mat to the side of the paved area. The area being paved was behind barriers and is not an active roadway. There is a concrete barrier between the active roadway and the area being worked on. State Police were present on the construction site.

Once the area was secured (caution tape put out and cones placed), the employee inspected the gauge and the results were reported to me. The employee described a crack at the tip of the rod and a bent handle. I immediately dispatched another employee in the area, Michael Meyer, and had him go to InstroTek Inc. in Newtown, CT. This employee was directed to go to InstroTek and obtain a lead pig, rubber gloves, tongs, and a survey meter.

This course of action was decided upon after discussion with management at Advance Testing. The employee arrived at the site at approx. 5:00 pm and immediately surveyed the site and determined that the source rod tip had broken off where the gauge was in the pavement. The source was contained in the source rod cup. This was determined by using the survey meter. The source was removed and placed in the pig by the use of tongs. As a matter of procedure the ground area was then surveyed with the survey meter. The area where the gauge was damaged showed no readings on the survey meter.

The gauge and the lead pig were secured in the gauge case and transported to InstroTek in Newtown, CT. Upon arrival at InstroTek leak tests were performed and are being overnighted for analysis on 8/7/02. Upon notification of analysis results, Advance Testing will contact the manufacturer for instructions in order that the gauge may be returned. Additionally, the dosimetry badges for the employees involved have been collected and are being returned to Radiation Detection Company for reading.

  
Christopher M. Brower

RSO

Advance Testing Company, Inc.