

# Process Technology North Jersey

Subsidiary of RTI Inc.

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*White*

May 4, 1989

Ref: Mail Control #106655  
Docket #030-07022  
License #29-13613-02

Mr. Malcolm R. Knapp, Director  
Division of Radiation Safety &  
Safeguards  
United States Nuclear Regulatory  
Commission, Region I  
475 Allendale Road  
King of Prussia, PA 19406

Dear Mr. Knapp:

## Maze Door Computer Entry

At the Enforcement Conference Meeting held on April 26, 1989, we were asked, "if the maze gate was opened without using the irradiator key while the source is in the shielded position would this initiate a computer print-out. Our response was, "yes it would."

To validate our answer we attempted to open the maze gate without using the key. We were not able to open it. We then performed the following test:

With the source in the shielded position and maze gate closed, without using the irradiator key, we pushed on the upper portion of the gate. Because of the sensitivity of the micro switch, pushing on the door will activate the alarm. This can be monitored by observing the red LED in series with the micro switch circuitry. With the alarm activated the gate remained closed and the computer did not print out a message.

We did not validate our response. Please note this.

## Maze Door Keys

The following is a clarification of the keys available for the maze door:

1. The irradiator key operates:
  - 1.1 An electric latch that locks the door shut,
  - 1.2 the 90 second start-up time delay switch, and

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May 2, 1989  
Mr. Malcom  
NRC

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May 2, 1989  
Mr. Malcolm R. Knapp, Director  
NRC

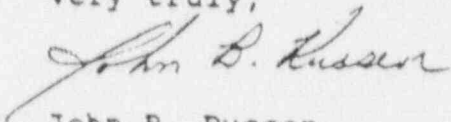
1.3 the "machine key" switch located on the console.

There are two such keys. One, used by the operator, is permanently connected to a chain and a Radiation Survey Meter. The second is under lock and key in the Corporate RSO's office.

2. In the unlikely event that the electric latch, item 1.1 above, fails, the door latch may be opened from the outside of the cell by means of a key for the purpose of repair only. Procedure 12.1 deals with the replacement of the electric latch. There are two such key available, under lock and key, one with the Plant RSO and the second with the Corporate RSO. Use of this key must be documented.

If we can be of any further assistance please let us know.

Very truly,



John B. Russen  
Plant Manager &  
Radiation Safety Officer

JBR:jk

RTI Inc.  
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ROCKAWAY, NJ 07866



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