

JOINT COMPANY/UNION SAFETY COMMITTEE CONCERN FORM

Case Number

00-063

This Form May Be Used By All RFETS Employees
(NOTE: All lines MUST be completed)

Employee Name LOCAL 8031 Employee Number _____
Print Last Name, First Name, and Middle Initial

Employee Company (Matrix) KH Department _____

Job Title _____ Bldg. 37C Phone 2603 Shift PM

Supervisor Vogel welling Supv Ext _____
Print Last Name, First Name, and Middle Initial

I have previously discussed Concern with Supervision: Yes No

Location of Concern 371 Safety Concern 371 RCT Management
placed personal dosimetry badges on the photo-copy machine. TLD's are a very important safety tool and should not be handled in this manner that could potentially damage them.

Recommendation Recall all affected dosimeters and re-issue new ones to affected personnel.

Employee Signature [Signature] Date 8-30-00
(Additional Space On Back)

Steward MERMIGAS JOHN T. Signature [Signature] Date 8-30-00
Print Last Name, First Name, and Middle Initial If Applicable

Supervisor Response Within 5 Working Days (attach all pertinent documentation)
see attached from External Dosimetry

I have discussed above response with concerned employee _____ Date _____
(Additional Space On Back)

Manager LOYETT, David L. Ext 6402 Signature [Signature] Date 9/6/00
Print Last Name, First Name, and Middle Initial

Satisfied with response Not satisfied with response Give brief reason if not satisfied: _____

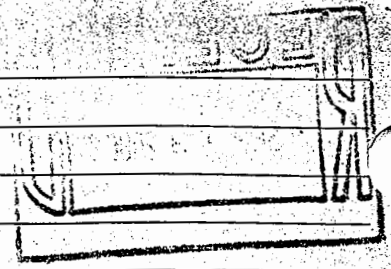
Employee Signature [Signature] Date 9-15-00

Assigned to: Union MAINTENANCE Date 9-19-00

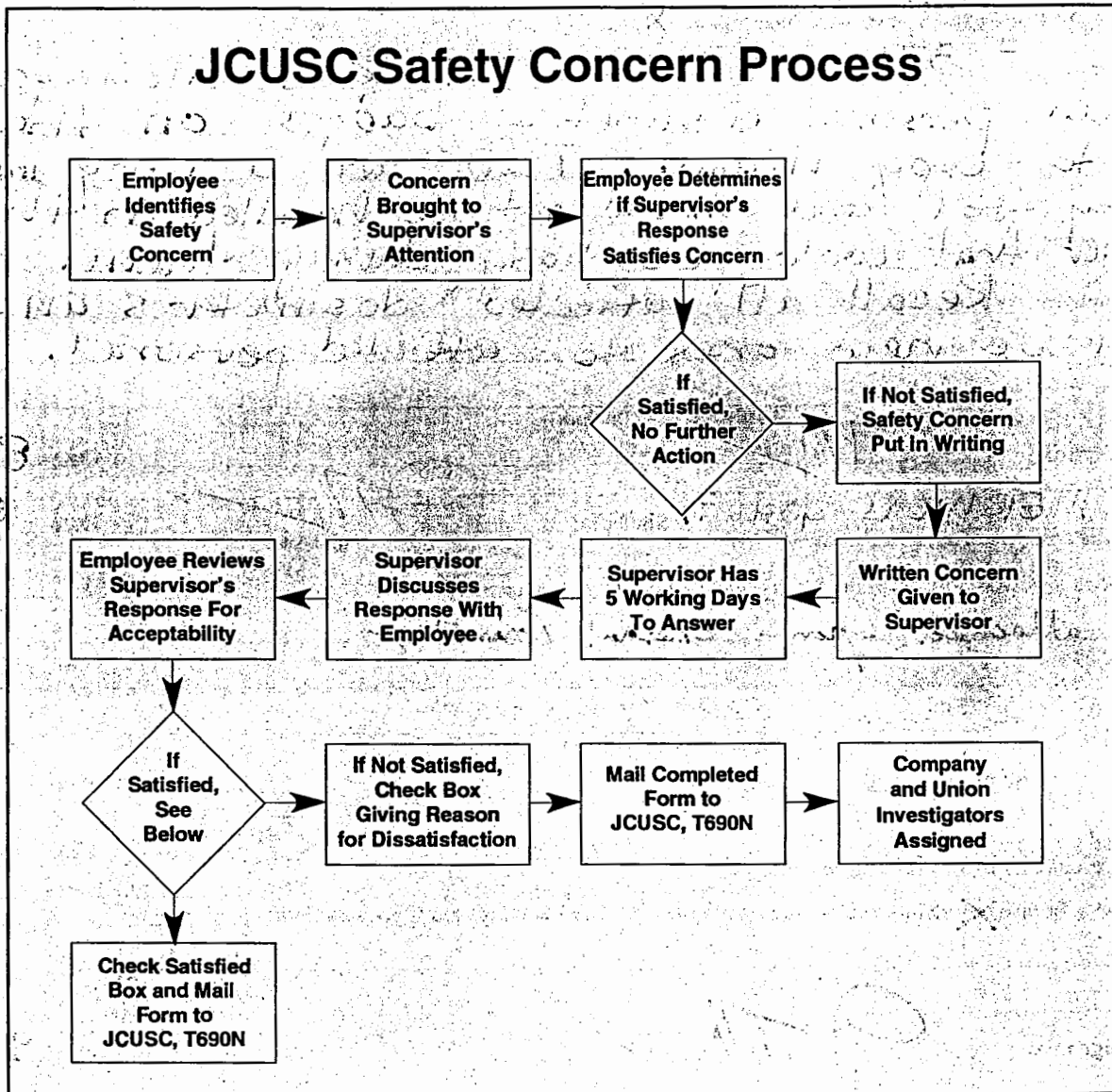
Company _____ Date _____

Recommendation _____

Supervisor Response _____



JCUSC Safety Concern Process



DISTRIBUTION:

Original: JCUSC

Copies: Employee Manager Supervisor

Subcontractor POC Steward

Effects of Photocopying the Site Dosimeter

The thermoluminescent phosphors used in the Site's dosimeter do respond to visible light. Therefore, photocopying the dosimeter is discouraged.

However, the light must directly impact the phosphor to get a response. The phosphors are mounted on a slide, which is encased in a light-tight case. This case is placed inside another case (hanger) that is not light tight, however, there is a solid ID card on the face of the hanger that will block the transmission of light. The sides of the hanger are filled with a solid rubber gasket, which is also a light blocker. Therefore, the only light that is available to interact with the TLD phosphors is the light that leaks around the ID card and the gasket or is reflected through the back of the case. This light must then penetrate the light-tight case to interact with the phosphors. The probability of interaction is very low.

In the event of a light leak, the TLD element would respond and this element response would be used in the dose calculation. The most likely element would be Element 1 of the UD-802 dosimeter, which would be treated as a dosimeter exposed to Beta radiation.

Michael R. Klueber
External Dosimetry Team Lead