General Information or Other (PAR) Event # 43947

Rep Org:	BRIDGEPORT HOSPITAL	**Notification Date / Time:**	01/31/2008 10:46 (EST)
Supplier:	VARIAN CORPORATION	**Event Date / Time:**	01/30/2008 (EST)
		Last Modification:	01/31/2008
Region:	1	**Docket #:**	
City:	BRIDGEPORT	**Agreement State:**	No
County:		**License #:**	06-01060-01
State:	CT		
NRC Notified by:	DAVID S WISHKO	**Notifications:**	NEIL PERRY R1
HQ Ops Officer:	JASON KOZAL		MICHELE BURGESS FSME
Emergency Class:	NON EMERGENCY		PART 21 GROUP E-MAIL
10 CFR Section:			
21.21	UNSPECIFIED PARAGRAPH		

POTENTIAL INOPERABLE SAFETY FUNCTION

"In regard to Part 21.21 Notification of failure to comply or existence of a defect and its evaluation, [the licensee notified] the NRC of a defect that was detected on the Varian, Mammosource unit, Gammamed Plus (M1), ID#H64E168.

"The defect noted was the following:

"A daily check is performed to verify when the source guide tube is disconnected from the unit head, the source will not extend. This test is perfumed as recommended on p. 73 of the ESTRO Booklet No.8, " A Practical Guide to Quality Control of Brachytherapy Equipment ". Disconnecting the tube (i.e. the lock that connects the source guide tube to the turret of the Mammosource) the dummy wire or the source wire should have been prevented from extending out. If the disconnect is within 2 mm of being connected the wire does extend out. This was documented on a check film using the Mick PerinaDoc phantom. As recommended in the Varian GammaMed HDR User Manual, P. 6-20, Varian BrachTherapy service was called.

"Notification:

"Varian Corp. was notified of this problem on 1/30/08 and a service engineer will be sent to the site to adjust the light sensor that communicates whether the source guide tube is connected. We are continuing treatment with two independent physicists verifying before treatment that the source guide tube is connected properly and securely."

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IE20

RGN1

BRIDGEPORT HOSPITAL
YALE NEW HAVEN HEALTH

TO: NRC Operations Center

From: David S. Wishko, Ph.D., RSO
Bridgeport Hospital
Department of Radiation Medicine
267 Grant St.
Bridgeport, CT 06610

1/30/08

Li #: 06-01060-01

In regard to Part 21.21, Notification of failure to comply or existence of a defect and its evaluation, I would like to notify the NRC of a defect that was detected on the Varian, Mammosource unit, Gammamed Plus (M1), ID#H64E168.

The defect noted was the following:
A daily check is performed to verify when the source guide tube is disconnected from the unit head, the source will not extend. This test is performed as recommended on p. 73 of the ESTRO Booklet No.8, "A Practical Guide to Quality Control of Brachytherapy Equipment". Disconnecting the tube (i.e. the lock that connects the source guide tube to the turret of the Mammosource) the dummy wire or the source wire should have been prevented from extending out. If the disconnect is within 2 mm of being connected the wire does extend out. This was documented on a check film using the Mick PermaDoc phantom. As recommended in the Varian GammaMed HDR User Manual, P. 6-20, Varian BrachTherapy service was called.

Notification:
Varian Corp. was notified of this problem on 1/30/08 and a service engineer will be sent to the site to adjust the light sensor that communicates whether the source guide tube is connected. We are continuing treatment with two independent physicists verifying before treatment that the source guide tube is connected properly and securely.

David S Wishko

David S Wishko, Ph.D.
RSO, Authorized Medical Physicist

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