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## NMSS-0009. Amersham Radiography Source Cable Failures

### DESCRIPTION

This issue was identified<sup>1</sup> by NMSS after three reports of radiography source disconnects involving drive cable breaks in Amersham equipment were reported. IN 97-91<sup>2</sup> was issued to alert all industrial radiography licensees to potential failures of control (drive) cables used on Amersham Model 660 Posilock radiography systems.

### CONCLUSION

The issue was given a high priority ranking and resolution was pursued.<sup>3</sup> The findings, conclusions, and recommendations of a special inspection team were published in NUREG-1631.<sup>4</sup> Supplement 1 to Information

Notice 97-91<sup>5</sup> was issued to inform licensees of the report which was later presented at a meeting of the American Society of Non-Destructive Testing in October 1998. It was concluded that the failures were caused by a combination of wear, corrosion, and lack of lubrication. As of October 1998, all of the recommendations were

implemented or were scheduled to be implemented. Thus the issue was resolved.<sup>6</sup>

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<sup>1</sup> Memorandum for J. Craig from F. Combs, "Submittal of New Generic Issues for Tracking in the Generic Issues Management and Control System (GIMCS)," June 4, 1998. [9806090180]

<sup>2</sup> Information Notice 97-91, "Recent Failures of Control Cables Used on Amersham Model 660 Posilock Radiography Systems," U.S. Nuclear Regulatory Commission, December 31, 1997 [[ML031050007](#)], (Supplement 1) August 10, 1998. [[ML031050002](#)]

<sup>3</sup> Memorandum for J. Craig from F. Combs, "Submittal of New Generic Issues for Tracking in the Generic Issues Management and Control System (GIMCS)," June 4, 1998. [9806090180]

<sup>4</sup> NUREG-1631, "Source Disconnects Resulting from Radiography Drive Cable Failures," U.S. Nuclear Regulatory Commission, June 1998.

<sup>5</sup> Information Notice 97-91, "Recent Failures of Control Cables Used on Amersham Model 660 Posilock Radiography Systems," U.S. Nuclear Regulatory Commission, December 31, 1997 [[ML031050007](#)], (Supplement 1) August 10, 1998. [[ML031050002](#)]

<sup>6</sup> Memorandum for J. Craig from F. Combs, "Closure of NMSS Generic Issues," October 13, 1998. [9810160185]

