



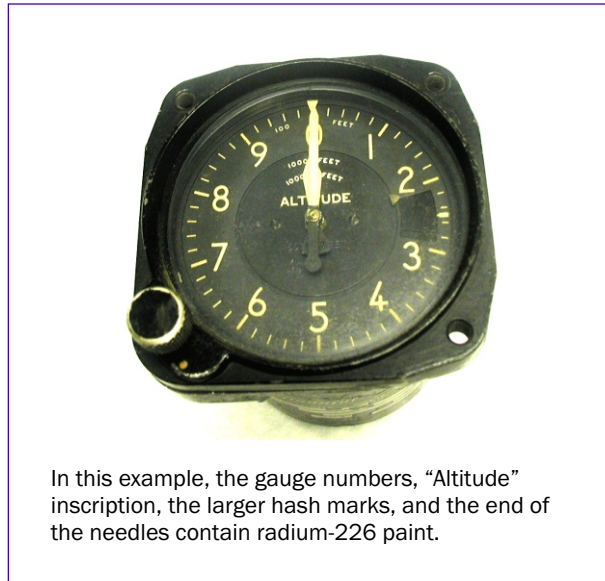
NRC Now Requires License To Possess Some Vintage Aircraft Instruments

On October 1, 2007, the U.S. Nuclear Regulatory Commission (NRC) published a final rule that requires certain owners and users of self-luminous aircraft instruments and other items containing radium-226 (a radioactive substance) to comply with a new general license issued by the NRC.

Previously, this material was not regulated by the NRC. Radium-226 is present in numerous items from the early to mid-20th century including radium dial clocks and watches. It is also common in aircraft gauges, switches, and dials, particularly those found in WWI and WWII vintage aircraft.

Although it might sound intimidating, it will be neither difficult nor expensive to comply with the general license from the NRC. The basic requirements will include knowing

If you have aircraft or parts from this era, there is a good chance that you possess radium-226 in quantities that will require you to maintain a general license under the new regulations.

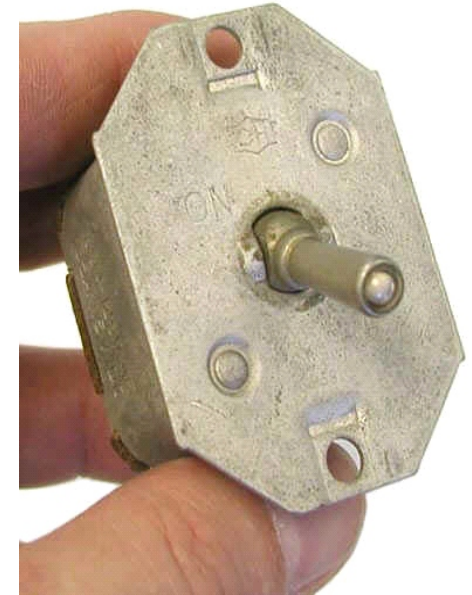


In this example, the gauge numbers, "Altitude" inscription, the larger hash marks, and the end of the needles contain radium-226 paint.

what you possess and how much, not disposing of or transferring the items except to authorized recipients, and reporting to the NRC only if any of the items appear to be damaged. But to ensure compliance, you will first need a radiological survey to identify items containing radium-226. Our experience has shown that in many cases, people are not aware that radioactive materials are present at their facility.

A simple visual inspection cannot reliably identify radium-bearing items.

Radium-bearing items are rarely labeled as containing radioactive materials.



In this example, the glass ball at the end of the toggle switch contains a radioluminescent compound comprised of radium-226.

Courtesy Oak Ridge Associated Universities
(<http://www.ora.u.edu/PTP/collection/radioluminescent/gauge.htm>)

Dade Moeller & Associates is an industry leader in radiation protection. We have performed numerous radiological surveys, including surveys of radium-226 in aircraft and storage warehouses, and we have made presentations on this subject. In short, we are experts you can trust.

**Contact Steve Merwin, CHP
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Dade Moeller & Associates can

Perform a radiological survey to identify items containing radium-226, and the amount of radioactivity in each item.

Summarize in plain English the new regulatory requirements, how they affect you, and how you can comply.

Help you review and adapt your practices to ensure compliance with the new general license conditions.

Train your staff to work safely around these materials.

Assist with the transfer or disposal of unwanted items.

If the items you possess require a specific license, we can help ensure regulatory compliance with as little expense and disruption to operations as possible.

We encourage you to look at our web site for more information about our company and services we offer in relation to this regulatory issue. You are welcome to call us for answers to specific questions and to establish a consultation agreement.

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New Rule Requires License To Own Aircraft Instruments Containing Radium-226



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