



INSPECTION REPORT

Licence Holder: National Measurement Institute	Licence Number: S0142
Location inspected: Pymble, NSW	Date of inspection: 30 Nov 2011
	Report No: R11/14398

This is the record of an inspection conducted under Part 7 of the *Australian Radiation Protection and Nuclear Safety Act 1998* (the Act). The purpose of the inspection was to assess compliance with the Act, the Australian Radiation Protection and Nuclear Safety Regulations 1999 (the Regulations) and licence conditions.

The inspection consisted of discussions with National Measurement Institute (NMI) representatives, audits of training records and other radiation safety related documentation and a physical inspection of the laboratories.

The following observations, conclusions and recommendations are based on an analysis of information and evidence obtained during the inspection.

Observations:

- Quarterly reports have been submitted on time with appropriate information.
- Training records indicate that users of controlled material and controlled apparatus have received appropriate training. Copies of training records were provided to the ARPANSA inspector.
- The RSOs on the four NMI sites have monthly meetings. There is an OHS group comprised of the Laser, UV and RF safety officers and the Quality and Safety Manager.
- Some RF plasma tubes (contained in Inductive Coupled Plasma – Mass Spectrometers/Optical Emission Spectrometers) were inspected and assessed whether they are classed as controlled apparatus or not. A number of RF plasma tubes (NA04, NA78, NA88 and NA112) were determined not to be controlled apparatus.
- Warning signs were assessed and in some cases were found to be non-standard or not visible enough.

Conclusion: At the time of inspection, there was no evidence of non-compliance.

Recommendations: The following improvements to enhance best practice were discussed with licence holder representatives during the inspection:

- Warning signs should be reviewed and updated to ensure that they conform to recommended signage.
- Warning signs on IA01 (XRF), NA89 (industrial microwave) and NA90 (industrial microwave) should be more prominent.