



Improvement Notice

Section 80A of the Australian Radiation Protection and Nuclear Safety Act 1998

Licence holder: Irrelevant [redacted] CSIRO Mineral Resources **Licence Number:** S0064
Location: Clayton, Victoria
ARPANSA reference number: R17/03369 **Date of issue:** 12/04/17

1. Provision of the Act or Regulations or licence condition/s the inspector reasonably believes the licence holder is not in compliance of or is likely to be not in compliance with, and how (Ref. Paragraphs 80A(3)(b) and (c))

Licence Condition 1 - Source Inventory. The inspector believes that the discovery of one unsealed source that was not recorded on the Source Inventory Workbook (SIW) indicates that there are potentially additional sources that are not recorded on the SIW. CSIRO representatives have verbally indicated to the ARPANSA inspectors that there is at least one additional radioactive source in the [redacted] s 47E - operations that is not included in the SIW.

Licence Condition 5 a) - Standards and Codes of Practice. The observation of chemicals which have the potential to damage the structural integrity of radioactive materials, co-located with radioactive materials, and the presence of neutron emitting radionuclides, co-located with fissile nuclear materials, indicates that the Section 7.1 of the Australian Standard in Laboratories – Ionizing Radiations (1998) (AS2243.4-1998) in relation to storage is not being followed.

2. Action in subsection 80A(2) that the licence holder is required to take (may be continued over page)

1. Undertake a comprehensive inventory check of the material holdings in the [redacted] s 47E - operations, including chemical, radiological and nuclear materials.
2. Conduct a detailed risk assessment of the materials.
3. Store the materials in accordance with legislated requirements.
4. Enhance the protective security arrangements of the [redacted] s 47E - operations, as appropriate.
5. Report the findings from actions 2.1 and 2.2 and the steps taken to comply with actions 2.3 and 2.4 to ARPANSA and other relevant competent authorities.

Date or time by which the Improvement Notice must be complied with: 30th June 2017

Name of inspector: Loch Castle

Inspector's signature: Irrelevant [redacted] **Date signed:** 12APR2017