



SITE VISIT REPORT

Licence Holder/Applicant	CSIRO
Licence/Application No	S0013
File No	R18/07144
Date of visit	31 May 2018
Site visited	Woomera Waste Store
Purpose	Observe and monitor waste characterisation progress
LH/applicant's representatives	Neil Webster
Discussion	Neil provided an overview of what activities were to be conducted, consistent with the approved Regulation 51 application.
Outcomes/Actions	<p>It was observed that thirty-two (32) passive radon monitors were installed inside the waste store at three (3) various drum heights. Additional work was performed on improving the hangar access bays and door rails. Two (2) active radon monitoring systems were also installed – one inside and one outside. A single active radon monitor was also installed at a distance from the waste store. These detectors were installed by ANSTO.</p> <p>Gamma ray imaging technology was tested on the waste drums which log radionuclide spectra and provides a digital image overall over any hotspots. This testing was performed by ANSTO.</p> <p>CSIRO's B61 robotics development team also deployed a long thin remotely piloted vehicle (RPV) to test the ability to traverse the suite of pallets holding drums. It was observed that a maximum distance of 6m depth was achieved with dose-rate measurements and video imaging being available. CSIRO indicated that the pilot trial would allow them to refine the design of the robot to conduct further works, including:</p> <ul style="list-style-type: none">• A thinner design to negotiate snapped or warped pallet planks.• A reversing camera to assist with reverse movements.• Improve rubber tracks to provided higher confidence in motion.

All passive and active monitors will have their data periodically retrieved by Defence personnel in order to comply with site radio-frequency emissions requirements.

Site concrete improvements will commence shortly to improve overall access and movement around the waste store.

Officer completing report	Loch Castle
Officer checking report	Garth Sheehy
Date of report	07 JUNE 2018

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