

Wylfa Site

Waste Programme

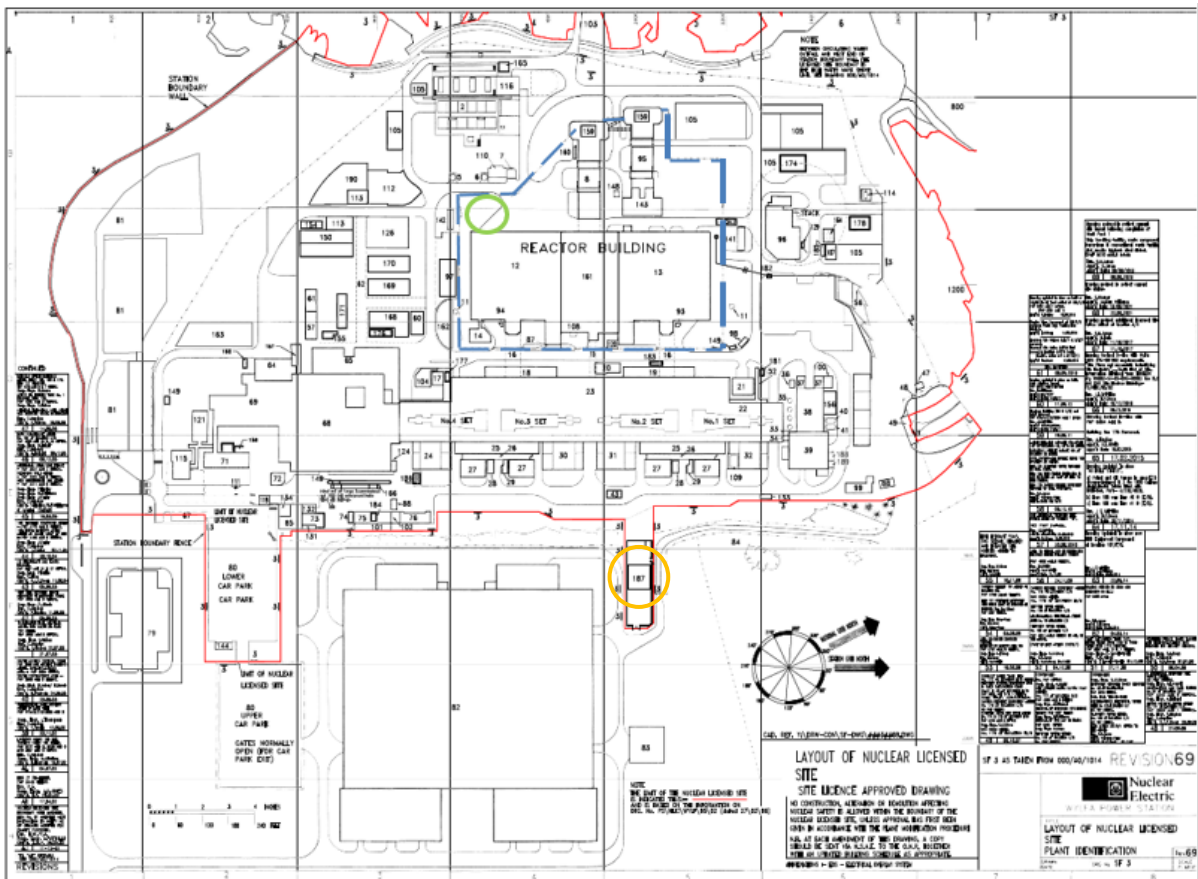
Non-Active Clearance Facility

- *Proposed MCA Fence Line Alterations*

Author: Luke Roberts

Introduction

Wylfa Site is proposing the construction of a new Non-Active Clearance Facility (NACF) to replace the current non-active clearance and processing arrangements which have been deemed no longer fit for purpose. The proposal is to re-use a currently redundant portal frame structure, clad in an engineered tensioned fabric, and relocate it to another area inside the Material Controlled Area (MCA) fence line, within the nuclear licensed site boundary. The site plan below shows the current location of the building (yellow circle), and its proposed new location (green circle) within the MCA (fence line shown in blue);

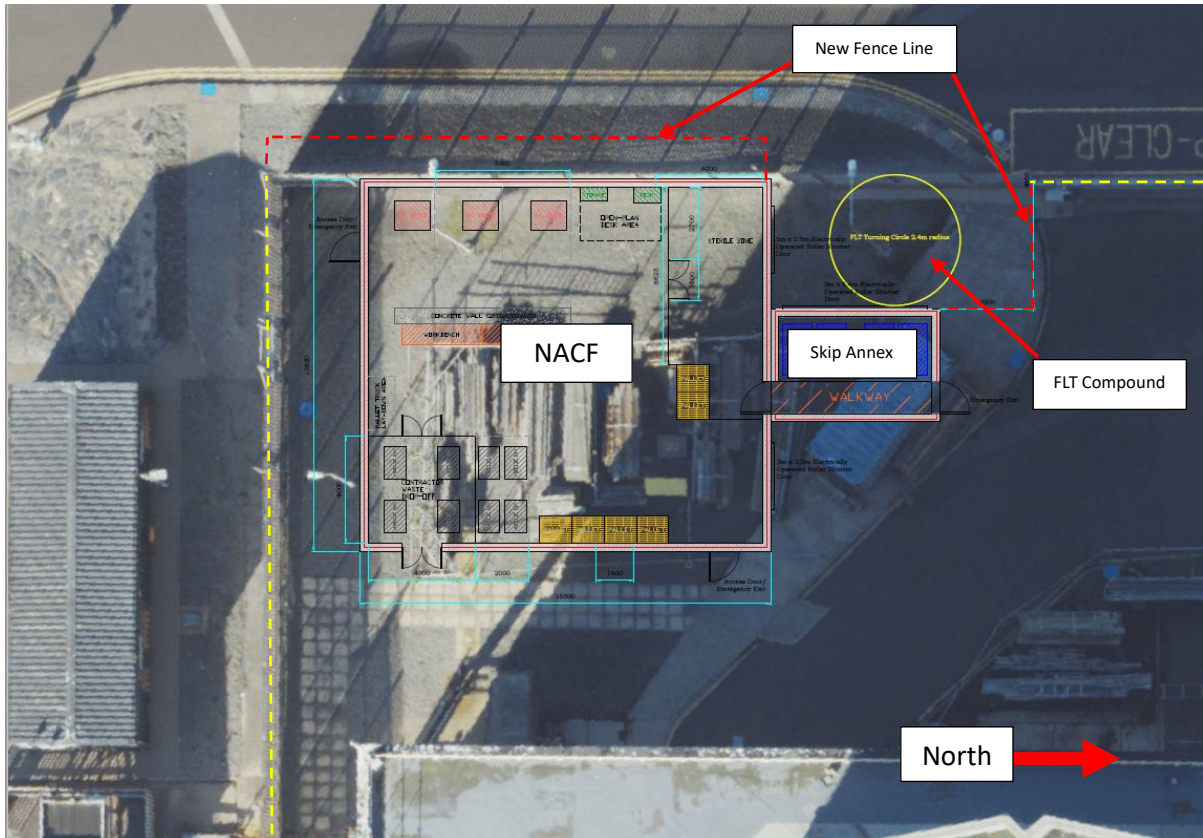


Location.

The new location of the NACF will be in the south west corner of the MCA, shown below in red, the existing MCA fence line is shown in yellow. Note the NACF West elevation is directly on top of the existing MCA fence line;



The picture below shows the proposed modification to the fence line following construction of the NACF, with the new sections shown in red. The fence to the western elevation will be stepped out (westwards) away from the facility. To the north west corner of the skip annex, the fence run north for 3.5m, turn 90° west, and run for a further 4.8m to rejoin the original MCA fence line (shown in yellow). This arrangement will make a new fork lift truck (FLT) turning compound (FLT turning circle shown, 2.4m radius, with yellow circle);



The existing MCA fence surrounds the entire Reactor Building Complex, and is a palisade fence 2.8metres high. The proposed new fence line installed as part of the NACF development will be a mesh panel type fence 2.8metres high, following the lines shown in the diagram above. The mesh panels will be fixed to steel posts which will have suitably robust integral baseplates to fix the posts to a concrete pad or strip foundation. There are no specific construction drawings currently available for the NACF development proposal, however, similar fences have been installed on site and the drawing below is an example of the type of fence proposed for installation;

