

Summary Information Report – 14/09/2022 To Support the Demolition of an Office / Welfare Cabin on the Sellafield Site.

Building Description

The Nuvia Compound Office & Welfare Facility (NCOWF) is a non-active cabin facility that is located in a compound formerly used by Nuvia Ltd. in the north-west corner of the Sellafield site and is scheduled to be demolished. In addition to the building, the compound includes a car park and three isofreights containers, which are to remain in place. The compound is located next to the Sellafield north-western boundary fence.

The building consists of four single storey portable cabin units (12.14m x 9.90m x 2.9m high) with a link corridor extending to a double stack of 3 on 3 isofreights (9.70m x 9.95m x 5m high). The main portacabin building was erected in 2000. The double stack of isofreights were erected from the north end of the building in 2007.

The four portable units are wood framed with painted textured wood interiors. They are insulated but the nature of the insulation could not be determined. Vermin boards surround the base of the units which are painted wood. There is a series of single glazed aluminium framed windows running the full length of the building. The entrance to this building consists of two concrete steps and a metal handrail.

The cabin units have a pitched roof whose apex runs the length of the structure. In 2015 the roof was refurbished when decothane was overlain on the roof. It is unclear whether any of the original roof material including felt remains in place under the decothane. The gutters and downpipes are plastic.

Internally the structure has been partitioned by plasterboard into a series of offices and administrations areas and the floors are all carpeted. In between the main cabin and the double stack isofreights is a link corridor which is largely constructed from wood with no windows. The floor is made from concrete and painted with one step leading to the isofreights.

The exterior of the isofreights is corrugated steel plate including the roof and base of the unit. A wire mesh surrounds the base of the units. There is a series of single glazed, aluminium framed windows with shutters that run the full length of the isofreights on the upper and lower floors.

Internally, the structure consists of vinyl covered plasterboard walls dividing it into offices and a kitchen area. The floors are all carpeted. There is also a layer of thick glass fibre insulation, which can be seen protruding from the ceiling.

The double isofreights are in poor condition. During inspection, the ground floor could only be accessed. The upper floor would normally be accessible via a concrete walkway and metal handrail surrounding the main cabin and then up a metal staircase that is cordoned off. The roofs of the upper floor isofreights are leaking in and has penetrated the ground floor roof.

Reason for Demolition

The NCOWF building is now redundant and no longer has a function on site.

- Demolition of this structure will reduce the life cycle costs of maintaining it safely and securely.
- This is part of the programme to remove many of the Sellafield buildings.
- Their removal will release significant land area for reuse or remediation and enable visible progress of site clean-up.
- The demolition of the building is to be completed at the earliest opportunity.

Method of Demolition

The demolition tasks will be executed by one of Sellafield Limited's (SL) appointed demolition contractors. They have proven experience on the Sellafield site using industry standard techniques. The activities include the following: -

- Site preparation prior to demolition, including fencing off the work area, protection of drains and disconnection of services.
- Soft strip of facility to segregate rock wool insulation and plasterboard panelling prior to size reduction.
- The soft strip may include the removal and disposal of asbestos containing materials by licensed operatives.
- Size reduction (crushing/demolishing) of the facility using a wheeled excavator fitted with selector grab.
- Segregation of waste.
- Disposal of waste materials in accordance with SL waste routes.
- Complete demolition of the building structure to base slab.

Environmental Impact & Waste Streaming

- Appropriate characterisation of waste will take place prior to demolition in line with SL procedures. Characterisation must be undertaken in close proximity to the date of demolition to ensure the results are current.
- Asbestos demolition surveys are to be undertaken to comply with the Control of Asbestos Regulations 2012 and to determine the waste routes
- No waste will leave the site until the results have been confirmed. The following are waste predictions based on the demolition of a building of similar type, size location and age;

Waste Type	Weight (te) Approx	Disposal Site
General Demolition Waste	33	Landfill Site (lillyhall)
Glass	0.4	CWM Lillyhall
Metal	11	Recycling Lives (Metal Recycling)
Plasterboard	0.5	CWM Lillyhall
Timber	0.5	CWM Lillyhall

Ecology Report

Please find attached the combined Habitat and Ecology Statement provided by SL Environmental Advisor F. Inglis.

Yours faithfully

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