



Document Title: Additional context to the Pre-construction Information (Ref: TRAWS/L28302/DOC/0032) issued for Trawsfynydd Reactor Buildings Height Reduction. A limited summary of historical strengthening works undertaken with Reactor Buildings 1 and 2.

Context:

To compliment the Height Reduction Project Pre-construction Information (Ref: TRAWS/L28302/DOC/0032), NRS have generated this summary document. The intent is to provide supplementary context only to historical strengthening and decontamination works undertaken in select areas of both Reactor Buildings. In terms of the timeline, strengthening works were completed in campaigns as summarised below:

- Phase 1 strengthening to reinforced concrete above capping roof completed circa 2012.
- Phase 2 strengthening to reinforced concrete above capping roof completed circa 2014.
- Interspace precast panels above capping roof completed circa 2016.
- **Key notes:**
 - **NRS draw attention to the fact that the Refurbishment & Demolition surveys (included in Appendix 18 and 19 of the Pre-construction Information) carries primacy.**
 - **NRS draw attention to the fact that not all elevations (e.g. boiler boxes and top duct areas) were strengthened. For detail on the extent of strengthening undertaken in each discrete area, refer to the Pre-construction information.**

Reactor Building 1

Space Ref:	Space Name	Strengthening summary (for details of strengthening extent refer to PCI):	Decontamination summary (includes but not limited to):
1507	Boiler Box – southeast Cct. 1 (upper)	Strengthened as part of phase 1 works	Cleaned to facilitate strengthening works however limited documenting evidence
1508	Boiler Box – south Cct. 2 (upper)	Strengthened as part of phase 1 works	Cleaned to facilitate strengthening works however limited documenting evidence
1509	Boiler Box – southwest Cct. 3 (upper)	Strengthened as part of phase 1 works	Cleaned to facilitate strengthening works however limited documenting evidence
1512	Boiler Interspace 2/3 southwest (upper)	Precast panels strengthened	Cleaned to facilitate strengthening works July 2015. 4SC available (Ref: MAG/AS/GG/0035).
1514	Boiler Interspace 1/2 southeast (upper)	Precast panels strengthened	Cleaned to facilitate strengthening works July 2015. 4SC issued at time (Ref: MAG/AS/GG/0038).
1751	Boiler Box – northwest Cct. 4 (upper)	Strengthened as part of phase 1 and phase 2 works	Cleaned to facilitate strengthening works February 2014. COC issued at time (Ref: MAG/AS/TR/0052 & MAG/AS/TR/0067).

1752	Boiler Box – north Cct. 5 (upper)	Strengthened as part of phase 2 works	Cleaned to facilitate strengthening works February 2014. COC issued at time (Ref: MAG/AS/GT/0129 & MAG/AS/TR/0067).
1753	Boiler Box – northeast Cct. 6 (upper)	Strengthened as part of phase 2 works	Cleaned to facilitate strengthening works February 2014. COC issued at time (Ref: MAG/AS/GT/0130 & MAG/AS/TR/0067).
1754	Boiler Interspace 4/5 northwest (upper)	Precast panels strengthened	Cleaned to facilitate strengthening works May 2015. 4SC issued at time (Ref: MAG/AS/GG/0036).
1755	Boiler Interspace 5/6 northeast (upper)	Precast panels strengthened	Cleaned to facilitate strengthening works May 2015. 4SC issued at time (Ref: MAG/AS/GG/0032).
1901	Top Duct Area south	Strengthened as part of phase 1 and phase 2 works	Cleaned to facilitate strengthening works September 2013. COC issued at time (Ref: MAG/AS/TR/0067). May 2014. COC issued at time (Ref: MAG/AS/LR/0074).
1951	Top Duct Area north	Strengthened as part of phase 1 and phase 2 works	Cleaned to facilitate strengthening works March 2014. COC issued at time (Ref: MAG/AS/TR/0056).

Reactor Building 2

Space Ref:	Space Name	Strengthening summary (for details of strengthening extent refer to PCI):	Decontamination summary (includes but not limited to):
2507	Boiler Box – northeast Cct. 12 (upper)	Strengthened as part of phase 1 works	Cleaned to facilitate strengthening works however limited documenting evidence
2508	Boiler Box – north Cct. 11 (upper)	Strengthened as part of phase 1 works	Cleaned to facilitate strengthening works however limited documenting evidence
2509	Boiler Box – northwest Cct. 10 (upper)	Strengthened as part of phase 1 works	Cleaned to facilitate strengthening works however limited documenting evidence
2512	Boiler Interspace 10/11 northwest (upper)	Precast panels strengthened	Cleaned to facilitate strengthening works June 2015. 4SC available (Ref: MAG/AS/NA/0029).
2514	Boiler Interspace 11/12 northeast (upper)	Precast panels strengthened	Cleaned to facilitate strengthening works June 2015. 4SC issued at time (Ref: MAG/AS/GG/0043).

2751	Boiler Box – southwest Cct. 9 (upper)	Strengthened as part of phase 1 and phase 2 works	Cleaned to facilitate strengthening works August 2013 & April 2013. COC issued at time (Ref: MAG/AS/TR/0068 & MAG/AS/TR/0051) respectively.
2752	Boiler Box – south Cct. 8 (upper)	Strengthened as part of phase 2 works	Cleaned to facilitate strengthening works August 2013 & February

			2014. COC issued at time (Ref: MAG/AS/TR/0068 & MAG/AS/GT/0128) respectively.
2753	Boiler Box – southeast Cct. 7 (upper)	Strengthened as part of phase 2 works	Cleaned to facilitate strengthening works August 2013 & February 2014. COC issued at time (Ref: MAG/TR/0068 & MAG/AS/PT/0001) respectively.
2754	Boiler Interspace 8/9 southwest (upper)	Precast panels strengthened	Cleaned to facilitate strengthening works October 2015. 4SC issued at time (Ref: 78253).
2755	Boiler Interspace 7/8 southeast (upper)	Precast panels strengthened	Cleaned to facilitate strengthening works September 2015. 4SC issued at time (Ref: 78136).
2901	Top Duct Area north	Strengthened as part of phase 1 and phase 2 works	Cleaned to facilitate strengthening works September 2013. COC issued at time (Ref: MAG/AS/TR/0068).
2951	Top Duct Area south	Strengthened as part of phase 1 and phase 2 works	Cleaned to facilitate strengthening works May 2013. COC issued at time (Ref: MAG/AS/LR/0076).

Note: This document should be read in conjunction with:

- TRAWS/L28302/DOC/0032 Height Reduction Pre-construction Information (containing the R&D Surveys).
- TRAWS/L28302/DOC/0034 Height Reduction Technical Scope of Work.
- TRAWS/L28302/DOC/0124 Height Reduction Scope.