

**APPENDIX Biii**

**PHOTOGRAPHS RELATING TO THE EXPERIMENTAL FIRING PROGRAMME OF  
CHIMNEYS A, B & C**

**Figure 1.1**

Photograph of the base of Chimney A after dismantling

NOTE: Broken liner No19 as found during dismantling, segments only lifted onto floor for photograph



**Figure 1.2**

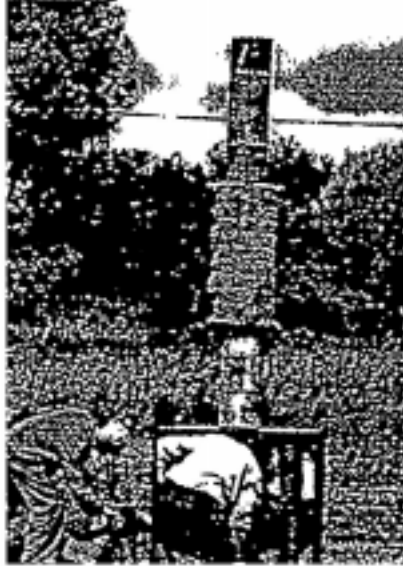
Photograph of the base of Chimney B after dismantling

Note: Broken liner No 8 was as found during dismantling, segments only lifted onto floor for photograph



**Figure 1.3**

**Photograph of Chimney Fire Rig**



**Figure 1.4**

**Photograph of Simulated Chimney Fire**

Figure 1.5

Photographs of liners from Chimney A (High Sand Content Zone)

Samples: 4760/3 (9L - Before)  
4760/3 A (9L 17 + 18 After)

Scale: The scale bar is divided into millimetres and centimetres.

*Broken surfaces.* This view shows the colour change between the unfired sample on the left side of the field of view and the fired sample which occurs on the right side of the field of view. The inner surfaces of the flue liners occur towards the right side.



**Figure 1.6**

**Photographs of liners from Chimney B**

**Samples: 4760/4 (Square - Before)**

**4760/5 (Square (No.8 Top and Bottom) - After)**

**Scale: The scale bar is divided into millimetres and centimetres.**

**This view shows broken surfaces of the samples before and after firing. The fired sample occurs on the right side of the field of view, and the unfired sample on the left side of the field of view. The obvious reddening in the colour of the cement paste is readily visible.**



**Figure 1.7**

**View of the base of the Chimney A**



**Figure 1.8**

General view of laboratory showing both chimneys A and B

