

THE ROYAL GUNPOWDER FACTORY

WALTHAM ABBEY

Millhead Stream



THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 97	RCHME NUMBER	N.G.R. TL 37414 01761
NAME/FUNCTION Corning House No.4 Granulating House No.2		START DATE pre 1821 1865?	END DATE 1865? 1945?
NO PHOTOGRAPHY AVAILABLE			
<p><i>21</i></p> <p>CARTOGRAPHIC DEPICTION</p> <p>1827 WASC 900/04 + MPH 271 ; Corning House (No.2)</p> <p>1830 WO55 2694 ; 145</p> <p>1830 WASC 900/05 ; Corning House No.4</p> <p>c1835 WASC 900/07 ; Corning House No.4</p> <p>1865 <i>86</i> WASC 900/38 + SUPP5 975 ; Granulating House No.2</p> <p>1865 <i>86</i> WASC 900/42 ; No.2 Granulating House</p> <p>1897 WASC 900/53C</p> <p>c1910 WASC 900/65 ; 97</p> <p>c1910 WASC 900/79 ; 97</p> <p>1917 WASC 900/70 ; 97</p> <p>1917 WASC 900/72 ; 97</p> <p>1919 WASC 900/74 ; 97</p> <p>c1920 WASC 900/80 ; 97</p> <p>1923 WASC 900/84 ; 97</p> <p>1932 WASC 900/87 ; 97 ; 97</p> <p>>1940 WASC 900/91A ; 97</p>		<p>DOCUMENTARY REFERENCES</p> <p>1830 Statement of Property WO55 2351 ; Corning House</p> <p>1841 Statement of Property WO55 2856 ; Corning House</p> <p>1851 Statement of Property WO55 3027</p> <p><i>1876 047 202 Additions to Granulating House.</i></p> <p>1908 RGPF Ledger WASC 1509 + WASC 1764 ; Granulating and Blending House</p> <p>c1925 RGPF Ledger WASC 1680 ; Granulating and Blending House</p> <p>c1945 RGPF Ledger WASC 1508 ; Granulating and Blending House (demolished)</p>	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
<p>RELATIONSHIPS WITH OTHER MONUMENTS</p> <p>ASSOCIATED WITH: 98</p>			
<p>CONDITION Demolished</p>			
<p>DESCRIPTION</p> <p>5) It is unclear to what extent the building's foundations were removed when the Horsemill Stream was widened. The building may survive as a buried feature.</p>			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 98	RCHME NUMBER	N.G.R. TL 37411 01739
NAME/FUNCTION part of Corning House (No.2/No.4) Shoe Room		START DATE pre 1821	END DATE 1945?
NO PHOTOGRAPHY AVAILABLE			
<p>CARTOGRAPHIC DEPICTION</p> <p>1827 WASC 900/04 + MPHH 271 ; part of NO.2 Corning House</p> <p>c1830 WO55 2694 ; 143</p> <p>1830 WASC 900/05 ; building connected to No.4 Corning House</p> <p>c1835 WASC 900/07 ; building connected to No.4 Corning House</p> <p>1865 WASC 900/38 + SUPP5 975 ; Shoe House</p> <p>1865 WASC 900/42 ; Shoe House</p> <p>1897 WASC 900/53C</p> <p>c1910 WASC 900/65 ; 98</p> <p>c1910 WASC 900/79 ; 98</p> <p>1917 WASC 900/70 ; 98</p> <p>1917 WASC 900/72 ; 98</p> <p>1919 WASC 900/74 ; 98</p> <p>c1920 WASC 900/80 ; 98</p> <p>1923 WASC 900/84 ; 98</p> <p>1932 WASC 900/87 ; 98</p> <p>> 1940 WASC 900/91A ; 98</p>		<p>DOCUMENTARY REFERENCES</p> <p>1830 Statement of Property WO55 2351 ; part of Corning House</p> <p>1841 Statement of Property WO55 2856 ; part of Corning House</p> <p>1851 Statement of Property WO55 3027</p> <p>1908 RGPF Ledger WASC 1509 + WASC 1764 ; Shoe Room</p> <p>c1925 RGPF Ledger WASC 1680 ; Shoe Room</p> <p>c1945 RGPF Ledger WASC 1508 ; Shoe Room (demolished)</p>	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
<p>RELATIONSHIPS WITH OTHER MONUMENTS</p> <p>ASSOCIATED WITH: Corning house 97</p>			
<p>CONDITION Demolished</p>			
<p>DESCRIPTION)</p> <p>5) The building may survive as a buried feature beneath the eastern bank of the Horsemill Stream.</p>			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 116	RCHME NUMBER	N.G.R. TL 37432 01570
NAME/FUNCTION The Great Stove (Gallows Gate Stove) A Stove Corning House No.1 Breaking Down House and Pebble Cutting House	START DATE pre1735 pre 1783 1827 1865 (rebuilt 1891)	END DATE 1827 1865 1925?(disuse) post1957 (demolished)	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
<p>1783 WASC 900/01 + MR 593 ; A Stove</p> <p>1783 WASC 900/01A ; A House for Drying Gunpowder</p> <p>1801 WASC 900/58 + MR 580 ; Upper Stove</p> <p>1827 WASC 900/04 + MPH 271 ; Corning House No.1</p> <p>1830 WO55 2694 ; 139</p> <p>1830 WASC 900/05 ; Corning House No.1</p> <p>c1835 WASC 900/07 ; Corning House No.1</p> <p>1865 WASC 900/38 + SUPP5 975 ; Breaking Down House and Pebble Cutting House</p> <p>1865 WASC 900/42 ; Breaking Down House and Pebble Cutting House</p> <p>1897 WASC 900/53C</p> <p>c1910 WASC 900/65 ; 116</p> <p>c1910 WASC 900/79 ; 116</p> <p>1917 WASC 900/70 ; 116</p> <p>1917 WASC 900/72 ; 116</p> <p>1919 WASC 900/74 ; 116</p> <p>c1920 WASC 900/80 ; 116</p> <p>1923 WASC 900/84 ; 116</p> <p>1932 WASC 900/87 ; 116</p> <p>> 1940 WASC 900/91A ; 116</p> <p>1954 A - B.34 ; 116</p>		<p>1735 Farmer J. Engraving ; The Great Stove</p> <p>1783 WASC 1262 ; Gallows Gate Stove (Great Stove)</p> <p>1807 Statement of Property WO55 2694</p> <p>1830 Statement of Property WO55 2351 ; Corning House</p> <p>1841 Statement of Property WO55 2856 ; Corning House</p> <p>1851 Statement of Property WO55 3027</p> <p>1908 RGPF Ledger WASC 1509 + WASC 1764 ; Gunpowder Breaking Down House</p> <p>c1925 RGPF Ledger WASC 1680 ; Gunpowder Breaking Down (demolished)</p> <p>c1945 RGPF Ledger WASC 1508 ; Gunpowder Breaking Down House (demolished)</p>	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: 117			
CONDITION Demolished			
DESCRIPTION			
<p>5) The cartographic evidence suggests a number of rebuilding phases probably reusing the same foundations.</p> <p>It is unclear how much of this building was removed when the Horsemill Stream was widened. Remains of this building may survive beneath the the eastern bank of the Horsemill Stream.</p>			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 117	RCHME NUMBER	N.G.R. TL 37431 01554
NAME/FUNCTION part of Corning House part of Dusting House No.2 Washing Up House/Shoe Room	START DATE pre 1821 1865? 1865?	END DATE 1865? 1865? 1945?	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION 1827 WASC 900/04 + MPH 271 ; part of No.1 Corning House 1830 WO55 2694 ; part of glazing Mill 1830 WASC 900/05 ; building connected to No.1 Corning House c1835 WASC 900/07 ; building connected to No.1 Corning House 1865 WASC 900/38 + SUPP5 975 ; part of Dusting House No.2 1865 WASC 900/42 ; Shoe House 1897 WASC 900/53C c1910 WASC 900/65 ; 117 c1910 WASC 900/79 ; 117 1917 WASC 900/70 ; 117 1917 WASC 900/72 ; 117 1919 WASC 900/74 ; 117 c1920 WASC 900/80 ; 117 1923 WASC 900/84 ; 117 1932 WASC 900/87 ; 117 > 1940 WASC 900/91A ; 117		DOCUMENTARY REFERENCES 1830 Statement of Property WO55 2351 ; part of Glazing Mill 1841 Statement of Property WO55 2856 ; Washing Up House 1851 Statement of Property WO55 3027 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Shoe Room c1925 RGPF Ledger WASC 1680 ; Shoe Room c1945 RGPF Ledger WASC 1508 ; Shoe Room	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: 116			
CONDITION		Demolished	

DESCRIPTION

- 5) It is unclear how much of this building was removed when the Horsemill Stream was widened. The building may survive as a buried feature beneath the eastern bank of the Horsemill Stream.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 125	RCHME NUMBER	N.G.R. TL 37438 01455
NAME/FUNCTION Engine House & Tumbling Room Glazing & Dusting House Granulating & Dusting House		START DATE pre 1783 1783 1900?	END DATE 1900? post 1957
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION 1783 WASC 900/01 + MR 593 ; Engine House & Tumbling Room 1783 WASC 900/01A ; A Water Mill to Corn Gunpowder & an Engine For Glazing & Dusting Gunpowder 1801 WASC 900/58 + MR 580 1827 WASC 900/04 + MPH 271 ; Glazing Mill 1830 WO55 2694 ; 135 1830 WASC 900/05 ; Glazing Mill c1835 WASC 900/07 ; Glazing Mill 1865 WASC 900/38 + SUPP5 975 ; Dusting House No.2 1865 WASC 900/42 ; Dusting House No.2 1897 WASC 900/53C c1910 WASC 900/65 ; 125 c1910 WASC 900/79 ; 125 1917 WASC 900/70 ; 125 1917 WASC 900/72 ; 125 1919 WASC 900/74 ; 125 c1920 WASC 900/80 ;125 1923 WASC 900/84 ; 125 1932 WASC 900/87 ; 125 > 1940 WASC 900/91A ;125 1954 A - B.34		DOCUMENTARY REFERENCES 1783 WASC 1262 ; Engine House & Tumbling Room 1807 Statement of Property WO55 2694 1830 Statement of Property WO55 2351 ; Glazing Mill 1841 Statement of Property WO55 2856 ; Glazing Mill 1851 Statement of Property WO55 3027 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Gunpowder Granulating & Dusting House c1925 RGPF Ledger WASC 1680 ; Gunpowder Granulating & Dusting House c1945 RGPF Ledger WASC 1508 ; Gunpowder Granulating & Dusting House	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: 126			
CONDITION Probably destroyed when the Horsemill Stream was widened			

DESCRIPTION
5) The building was probably destroyed when the Horsemill Stream was widened.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 132	RCHME NUMBER	N.G.R. TL 37456 01413
NAME/FUNCTION Magazine		START DATE pre 1821	END DATE post 1957
NO PHOTOGRAPHY AVAILABLE			
<p>CARTOGRAPHIC DEPICTION</p> <p>1827 WASC 900/04 + MPH 271 ; Receiving Magazine 1830 WO55 2694 ; 134 1830 WASC 900/05 ; Magazine c1835 WASC 900/07 ; Magazine 1865 WASC 900/38 + SUPP5 975 ; Double Magazine 1865 WASC 900/42 ; Double Magazine 1897 WASC 900/53C c1910 WASC 900/65 ; 132 c1910 WASC 900/79 ; 132 1917 WASC 900/70 ; 132 1917 WASC 900/72 ; 132 1919 WASC 900/74 ; 132 c1920 WASC 900/80 ; 132 1923 WASC 900/84 ; 132 1932 WASC 900/87 ; 132 >1940 WASC 900/91A ; 1321 1954 A - B.34</p>		<p>DOCUMENTARY REFERENCES</p> <p>1807 Statement of Property WO55 2694 1830 Statement of Property WO55 2351 ; Magazine 1841 Statement of Property WO55 2856 ; Magazine 1851 Statement of Property WO55 3027 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Magazine c1925 RGPF Ledger WASC 1680 ; Magazine c1945 RGPF Ledger WASC 1508 ; Magazine</p>	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
<p>RELATIONSHIPS WITH OTHER MONUMENTS</p> <p>ASSOCIATED WITH: Millhead Stream RCHME 296</p>			
CONDITION Destroyed?			
<p>DESCRIPTION</p> <p>5) The building was probably destroyed when the Horse mill Stream was widened.</p>			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 155	RCHME NUMBER	N.G.R. TL 37542 01312
NAME/FUNCTION Magazine		START DATE pre 1861	END DATE 1960? 1993(exists as ruins)
CARTOGRAPHIC DEPICTION 1865 WASC 900/38 + SUPP5 975 ; Magazine 1865 WASC 900/41A ; Magazine 1865 WASC 900/42 ; Magazine 1897 WASC 900/53C c1910 WASC 900/65 ; 155 c1910 WASC 900/79 ; 155 1917 WASC 900/70 ; 155 1917 WASC 900/72 ; 155 1919 WASC 900/74 ; 155 c1920 WASC 900/80 ; 155 1923 WASC 900/84 ; 155 1932 WASC 900/87 ; 155 > 1940 WASC 900/91A ; 155 1954 A - B.34 ; L129 c1960 WASC 900/94 ; 155 c1963 WASC 900/97 1972 WASC 900/102 1972 WASC 900/104 1976 WASC 900/113		DOCUMENTARY REFERENCES 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Magazine c1925 RGPF Ledger WASC 1680 ; Magazine(L129) c1945 RGPF Ledger WASC 1508 ; Magazine(L129)	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME 1) 206/N/21 12 Mar 1993 Detail of barge porch 206/N/22 12 Mar 1993 From South West	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: Millhead Stream RCHME 296			
CONDITION Fair			

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL
Brick in English bond
- 2) ROOF MATERIALS AND STRUCTURE
Hipped, slate over brick vault
- 3) POWER SOURCE
Steam heating
- 4) DIMENSIONS i) L 7.4m ii) W 7.1m iii) HT Eave 3.2m
- 5) The magazine is single storeyed with a T shaped ground plan, there is a single buttress on the east elevation. Its only entrance was from a covered porch served from Millhead stream RCHME 296 the porch is in brick and is an integral part of the structure. The porch had a timber floor covered by leather fixed by copper nails part of which remains. The magazine was entered through a door with a cambered brick head. floor of the magazine was also timber supported on sub floor brick piers. The magazine has a brick vaulted hipped roof covered by slates.

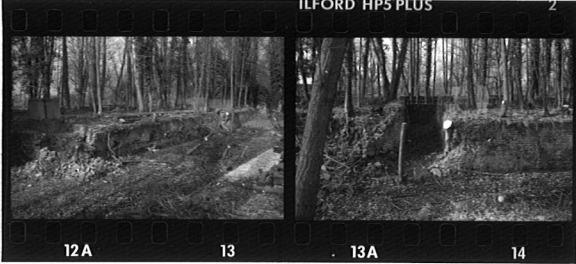
The magazine was heated by steam pipes closeby the magazine and probably derived from the building was a cast iron steam trap 'No.3 trap syphonia Royles Limited'.

Historic artefacts - section of leather floor and steam trap

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 157	RCHME NUMBER	N.G.R. TL 37594 01270
NAME/FUNCTION Shoe Room/House	START DATE pre 1860?	END DATE 1957?	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION 1865 WASC 900/38 + SUPP5 975 ; Shoe House 1865 WASC 900/41A ; Shoe House 1865 WASC 900/42 ; Shoe House 1897 WASC 900/53C c1910 WASC 900/65 ; 157 c1910 WASC 900/79 ; 157 1917 WASC 900/70 ; 157 1917 WASC 900/72 ; 157 1919 WASC 900/74 ; 157 c1920 WASC 900/80 ; 157 1923 WASC 900/84 ; 157 1932 WASC 900/87 ; 157 >1940 WASC 900/91A ; 157 1954 A - B.34		DOCUMENTARY REFERENCES 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Shoe Room c1925 RGPF Ledger WASC 1680 ; Shoe Room c1945 RGPF Ledger WASC 1508 ; Shoe Room	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: 159			
CONDITION Demolished			
DESCRIPTION 5) No surface remains, may survive as a buried feature.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 159	RCHME NUMBER	N.G.R. TL 57592 01238
NAME/FUNCTION The Dusting House Running Houses (old & new) Dusting Houses & Barrel House Dusting House	START DATE pre 1735 pre 1783 1783 1827	END DATE 1827 post 1957?	
			
CARTOGRAPHIC DEPICTION 1783 WASC 900/01 + MR 593 ; Running House & Old Running House 1783 WASC 900/01A ; Dusting House & old Dusting House proposed Barrel House 1801 WASC 900/58 + MR 580 ; Dusting House & Cooperage 1827 WASC 900/04 + MPH 271 ; Principle Dusting House 1830 WO55 2694 ; 129 1830 WASC 900/05 ; Principle Dusting House c1835 WASC 900/07 ; Principle Dusting House 1865 WASC 900/38 + SUPP5 975 ; Dusting & Glazing House 1865 WASC 900/41A ; Dusting & Glazing House 1865 WASC 900/42 ; Dusting & Glazing House 1897 WASC 900/53C c1910 WASC 900/65 ; 159 c1910 WASC 900/79 ; 159 1917 WASC 900/70 ; 159 1917 WASC 900/72 ; 159 1919 WASC 900/74 ; 159 c1920 WASC 900/80 ; 159 1923 WASC 900/84 ; 159 1932 WASC 900/87 ; 159 >1940 WASC 900/91A ; 159 1954 A - B.34 c1960 WASC 900/94	DOCUMENTARY REFERENCES 1735 Farmer J. Engraving ; "18" The Dusting House 1783 WASC 1262 ; Running House & Old Running House 1807 Statement of Property WO55 2694 1830 Statement of Property WO55 2351 ; Principle Dusting House 1830 Drayson F Drawings of the buildings, Machinery and equipment of the Gunpowder Works at Waltham Abbey' page 20 (may be this mill??) PRO MP 11.15 1841 Statement of Property WO55 2856 ; Principle Dusting House 1851 Statement of Property WO55 3027 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Dusting House No.3 c1925 RGPF Ledger WASC 1680 ; Dusting House No.3 c1945 RGPF Ledger WASC 1508 ; Dusting House No.3		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/N/13 12 Mar 1993 Dusting house from South East 206/N/14 12 Mar 1993 Detail of central wheel		

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: 157, Millhead Stream, RCHME 223, RCHME 296

CONDITION Fair

DESCRIPTION

1) CONSTRUCTIONAL MATERIAL
Brick in English bond

3) POWER SOURCE
Water

4) DIMENSIONS See below

5) The cartographic evidence suggests that two earlier structures may underlie the present mill the foundations of which at least may date from the 1820s.

This mill site represents the best above ground remains of a gunpowder processing mill on the site powered by a centrally driven waterwheel.

The mill survives as brick foundations in English bond either side of a central wheel pit. The wheel was powered from Millhead Stream, the flow of water onto the wheel regulated by a metal curving sluice gate. A scar on the side of the wheel pit indicates that the wheel was 4m in diameter. To either side of the pit and within the adjacent mills are two slots that would have formerly housed the pit wheel. The remains indicate that the wheel was a low breast shot wheel.

The mill to the south measures 18m in length and 7.3m in width. The revetment along Millhead Stream has been rebuilt in concrete and corrugated iron however the other three walls of the mill are in brick. On the mill platform are low concrete sill walls with vertical mounting bolts for a timber framed wall. Within the building are sandstone machine bases with vertical mounting bolts. Packed around these base is brick rubble perhaps indicating a cellared interior.

The mill north of the central pit measures 13.2m in length and 6.4m in width. Internally are sandstone machine bases and brick and slate rubble. All four sides of this mill are laid in brick in English Bond.

The Dusting House has latterly been protected by concrete traverse to the north and south and probably to the east also. The traverse to the north has battered walls it measures 7.3m x 3.07m and 4m in height. A narrow channel separated it from 159. The traverse to the south also has battered sides, it measures 5.9m x 2.8m with a height of 4.2m. A channel existed between it and 159 that was covered by timber decking. On the opposite side of the tailrace to the east of the mill is a concrete foundation 36.5m in length that may mark the site of a further traverse.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 165	RCHME NUMBER	N.G.R. TL 37619 01170
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NAME/FUNCTION The Store House Magazine Temporary Dusting House Barrel House	START DATE pre 1735 pre 1783 1827? 1865?	END DATE 1827? 1865? post 1957
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NO PHOTOGRAPHY
AVAILABLE

CARTOGRAPHIC DEPICTION

1783 WASC 900/01 + MR 593 ; The Magazine
 1783 WASC 900/01A ; The Powder Magazine
 1801 WASC 900/58 + MR 580 ; Old Magazine
 1827 WASC 900/04 + MPH 271 ; Temporary
 Dusting House
 1830 WO55 2694 ; 127
 1830 WASC 900/05 ; Temporary Dusting House
 c1835 WASC 900/07 ; Temporary Dusting House
 1865 WASC 900/38 + SUPP5 975 ; Barrel House
 1865 WASC 900/41A ; Barrel House
 1865 WASC 900/42 ; Barrel House
 1897 WASC 900/53C
 c1910 WASC 900/65 ; 165
 c1910 WASC 900/79 ; 165
 1917 WASC 900/70 ; 165
 1917 WASC 900/72 ; 165
 1919 WASC 900/74 ; 165
 c1920 WASC 900/80 ; 165
 1923 WASC 900/84 ; 165
 1932 WASC 900/87 ; 165
 > 1940 WASC 900/91A ; 165
 1954 A - B.34 ; L165
 c1960 WASC 900/94 ; 165

DOCUMENTARY REFERENCES

1735 Framer J. Engraving ; "17" The Store House
 1783 WASC 1262 ; The Magazine (Store House)
 1807 Statement of Property WO55 2694
 1830 Statement of Property WO55 2351 ; Temporary
 Dusting House
 1841 Statement of Property WO55 2856 ; Temporary
 Dusting House
 1851 Statement of Property WO55 3027
 1908 RGPF Ledger WASC 1509 + WASC 1764 ;
 Barrel House No.2
 c1925 RGPF Ledger WASC 1680 ; Barrel House No.2
 c1945 RGPF Ledger WASC 1508 ; Barrel House No.2

PHOTOGRAPHY
HISTORIC

PHOTOGRAPHY
RCHME

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: Millhead stream RCHME 296

CONDITION Fair

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL
Brick in Flemish bond

- 3) POWER SOURCE

- 4) DIMENSIONS i) L 12.3m ii) W iii) HT surviving 1.15m

- 5) A section of the brick foundations laid in Flemish bond survives formerly the eastern foundation of the building against the tailrace. The northern return of the wall is visible although partly buried by rubble. The southern return was not visible, it however probably remains buried just to the north of the modern road to H67. The platform that the building sat on between Millhead stream and the tailrace is partly covered in rubble. The potential for the survival of archaeological deposits is good.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 165a	RCHME NUMBER	N.G.R. TL 37613 01152
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NAME/FUNCTION Gunpowder Incorporating Mill No.7	START DATE 1910?	END DATE post 1957
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NO PHOTOGRAPHY
AVAILABLE

CARTOGRAPHIC DEPICTION

c1910 WASC 900/65 ; 165a
c1910 WASC 900/79 ; 165a
1917 WASC 900/70 ; 165a
1917 WASC 900/72 ; 165a
1919 WASC 900/74 ; 165a
c1920 WASC 900/80 ; 165a
1923 WASC 900/84 ; 165a
1932 WASC 900/87 ; 165a
> 1940 WASC 900/91A ; 165a
1954 A - B.34 ; H3
c1960 WASC 900/94 ; 165a

DOCUMENTARY REFERENCES

c1925 RGPF Ledger WASC 1680 ; Gunpowder Incorp.
Mill No.7
c1945 RGPF Ledger WASC 1508 : Gunpowder Incorp.
Mill No.7

**PHOTOGRAPHY
HISTORIC**

**PHOTOGRAPHY
RCHME**

RELATIONSHIPS WITH OTHER MONUMENTS
ASSOCIATED WITH: Millhead Stream RCHME 296

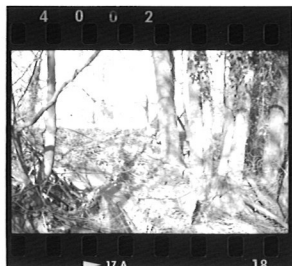
CONDITION Demolished

DESCRIPTION

5) The site of this mill probably lies beneath the road to H67. Brick foundations of the mill may survive beneath the road.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 181	RCHME NUMBER	N.G.R. TL 37632 01132
NAME/FUNCTION Corning House Gunpowder Mills Incorporating Mills 3		START DATE pre 1783 1814 1865?	END DATE 1814 1965? 1950?



<p>CARTOGRAPHIC DEPICTION</p> <p>1783 WASC 900/01A ; A House formerly used to Corn Powder in with Hand Engines (proposed Barrel House)</p> <p>1801 WASC 900/58 + MR 580</p> <p>1827 WASC 900/04 + MPH 271 ; (on site of above) New Mills Erected in 1814 on a New Principle</p> <p>1830 WO55 2694 ; 126</p> <p>1830 WASC 900/05 ; Gunpowder Mills</p> <p>c1835 WASC 900/07 ; Gunpowder Mills</p> <p>1865 WASC 900/38 + SUPP5 975 ; Incorp. Mills No.3</p> <p>1865 WASC 900/41A ; Incorp. Mills No.3</p> <p>1865 WASC 900/42 ; Incorp. Mills No.3</p> <p>1897 WASC 900/53C</p> <p>c1910 WASC 900/65 ; 181</p> <p>c1910 WASC 900/79 ; 181</p> <p>1917 WASC 900/70 ; 181</p> <p>1917 WASC 900/72 ; 181</p> <p>1919 WASC 900/74 ; 181</p> <p>c1920 WASC 900/80 ; 181</p> <p>1923 WASC 900/84 ; 181</p> <p>1932 WASC 900/87 ; 181</p> <p>> 1940 WASC 900/91A ; 181</p>	<p>DOCUMENTARY REFERENCES</p> <p>1783 WASC 1262 ; Hand Crank Corning House</p> <p>1807 Statement of Property WO55 2694</p> <p>1830 Statement of Property WO55 2351 ; Gunpowder Mills upon an Improved Principle</p> <p>1841 Statement of Property WO55 2856 ; Gunpowder Mills upon an Improved Principle</p> <p>1851 Statement of Property WO55 3027</p> <p>1908 RGPF Ledger WASC 1509 + WASC 1764 ; Incorp. Mills No.3</p> <p>c1925 RGPF Ledger WASC 1680 ; Incorp. Mills No.3 (H6)</p> <p>c1945 RGPF Ledger WASC 1508 ; Incorp. Mills No.3 (H6)</p>
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<p>PHOTOGRAPHY HISTORIC</p> <p>1) RCHME Neg No. BB92/16745 (also PRO Supply 5/860 photo 116) No. 5 mill exploded 2-Oct-1897 with 60lbs Picric Powder</p> <p>RCHME Neg No. BB92/16717 (also PRO Supply 5/860 photo 115) No. 5 mill exploded 2-Oct-1897 with 60lbs Picric Powder</p>	<p>PHOTOGRAPHY RCHME</p> <p>1) 206/R/18 19 Mar 1993 Site of mill with broken edge runners</p>
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RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: Millhead stream RCHME 296

CONDITION Demolished

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL
Brick foundations
- 2) ROOF MATERIALS AND STRUCTURE
-
- 3) POWER SOURCE
Water
- 4) DIMENSIONS i) L ii) W iii) HT
- 5) The site of this mill is marked by a number of broken limestone edge runners. The eastern side of the mill is marked by the brick tail race wall, this is partially buried and other parts have collapsed. odd short lengths of brick foundations may be traced on the platform between the tail race and the line of the canal. The potential for archaeological deposits relating to building surviving in this area is good.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 182	RCHME NUMBER	N.G.R. TL 37617 01120
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NAME/FUNCTION Gunpowder Mills Incorporating Mills 5 & 6	START DATE pre 1827 1877	END DATE 1877 1957?
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NO PHOTOGRAPHY
AVAILABLE

CARTOGRAPHIC DEPICTION

1827 WASC 900/04 + MPH 271 ; Gunpowder Mills
 1830 WO55 2694 ; 119,120
 1830 WASC 900/05 ; Gunpowder Mills
 c1835 WASC 900/07 ; Gunpowder Mills
 1865 WASC 900/38 + SUPP5 975 ; Incorp. Mills 5 & 6
 1865 WASC 900/41A ; Incorp. Mills 5 & 6
 1865 WASC 900/42 ; Incorp. Mills 5 & 6
 1897 WASC 900/53C
 c1910 WASC 900/65 ; 182
 c1910 WASC 900/79 ; 182
 1917 WASC 900/70 ; 182
 1917 WASC 900/72 ; 182
 1919 WASC 900/74 ; 182
 c1920 WASC 900/80 ; 182
 1923 WASC 900/84 ; 182
 1932 WASC 900/87 ; 182
 > 1940 WASC 900/91A ; 182
 1954 A - B.34 ; H4
 c1960 WASC 900/94 ; 182

DOCUMENTARY REFERENCES

1830 Statement of Property WO55 2351 ;
Gunpowder Mills
 1841 Statement of Property WO55 2856 ;
Gunpowder Mills
 1851 Statement of Property WO55 3027
 1908 RGPF Ledger WASC 1509 + WASC 1764 ;
Incorp. Mills No.5 & 6
 c1925 RGPF Ledger WASC 1680 ; Incorp. Mills No.5 & 6 (H4)
 c1945 RGPF Ledger WASC 1508 ; Incorp. Mills No.5 & 6 (H4)

**PHOTOGRAPHY
HISTORIC**

1) RCHME Neg No. BB92/16744 (also PRO Supply 5/860 photo 112) No 5 mill exploded 2-Oct-1897 60lbs Picric Powder

RCHME Neg No. BB92/16717 (also PRO Supply 5/860 photo 115) No 5 mill exploded 2-Oct-1897 60lbs Picric Powder

**PHOTOGRAPHY
RCHME**

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: Millhead stream RCHME 296

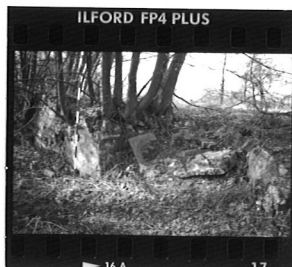
CONDITION Demolished

DESCRIPTION

- 5) From the catographic evidence it is thought likely that the gunpowder mills underlie the later incorporating mills, the latter perhaps using parts of the earlier foundations. The site of these mills lie on a raised platform between the canal and the western tailrace. The slight elevation of this area suggests that archaeological remains will be present.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 183	RCHME NUMBER	N.G.R. TL 37630 01103
NAME/FUNCTION Gunpowder Mills Incorporating Mills No.2	START DATE 1814 1865?	END DATE 1865? 1950?	



<p>CARTOGRAPHIC DEPICTION</p> <p>1827 WASC 900/04 + MPH 271 ; Gunpowder Mills erected 1814 to a new principle</p> <p>1830 WO55 2694 ; 125</p> <p>1830 WASC 900/05 ; Gunpowder Mills</p> <p>c1835 WASC 900/07 ; Gunpowder Mills</p> <p>1865 WASC 900/38 + SUPP5 975 ; Incorp. Mills No.2</p> <p>1865 WASC 900/41A ; Incorp. Mills No.2</p> <p>1865 WASC 900/42 ; Incorp. Mills No.2</p> <p>1897 WASC 900/53C</p> <p>c1910 WASC 900/65 ; 183</p> <p>c1910 WASC 900/79 ; 183</p> <p>1917 WASC 900/70 ; 183</p> <p>1917 WASC 900/72 ; 183</p> <p>1919 WASC 900/74 ; 183</p> <p>c1920 WASC 900/80 ; 183</p> <p>1923 WASC 900/84 ; 183</p> <p>1932 WASC 900/87 ; 183</p> <p>> 1940 WASC 900/91A ; 183</p> <p>c1960 WASC 900/94 ; 183</p>	<p>DOCUMENTARY REFERENCES</p> <p>1830 Statement of Property WO55 2351 ; Gunpowder Mills erected upon an Improved Principle</p> <p>1841 Statement of Property WO55 2856 ; Gunpowder Mills erected upon an Improved Principle</p> <p>1851 Statement of Property WO55 3027</p> <p>1908 RGPF Ledger WASC 1509 + WASC 1764 ; Incorp. Mills No.2</p> <p>c1925 RGPF Ledger WASC 1680 ; Incorp. Mills No.2 (H6)</p> <p>c1945 RGPF Ledger WASC 1508 ; Incorp. Mills No.2 (H6)</p>
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<p>PHOTOGRAPHY HISTORIC</p> <p>1)RCHME Neg No. BB92/16717 (also PRO Supply 5/860 photo 115) No 5 mill exploded 2-Oct-1897 60lbs Picric Powder</p> <p>RCHME Neg No. BB92/16745 (also PRO Supply 5/860 photo 116) No 5 mill exploded 2-Oct-1897 60lbs Picric Powder</p>	<p>PHOTOGRAPHY RCHME</p> <p>1) 206/R/17 19 Mar 1993 Gunpowder mill South side of wheel pit</p>
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RELATIONSHIPS WITH OTHER MONUMENTS	
ASSOCIATED WITH: Millhead stream RCHME 296	
CONDITION	Demolished

DESCRIPTION

1) CONSTRUCTIONAL MATERIAL
Brick foundations

2) ROOF MATERIALS AND STRUCTURE
-

3) POWER SOURCE
Water

4) DIMENSIONS i) L ii) W iii) HT

5) The remains of the mill are represented by the eastern foundations that form the revetting wall to the eastern tailrace. Within this wall the southern side of the wheel pit survives, the pit is blocked by rubble. On the platform between the tail race and the canal odd lengths of brick foundations may be discerned. One broken limestone edge runner survives in this area. the potential for the survival of archaeological deposits in this area is good.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 184	RCHME NUMBER	N.G.R. TL 37626 01089
NAME/FUNCTION Charge House/Magazine		START DATE pre 1783	END DATE post 1957?

NO PHOTOGRAPHY
AVAILABLE

<p>CARTOGRAPHIC DEPICTION</p> <p>1793 WASC 900/01 + MR 593 ; A Charge House 1783 WASC 900/01A ; A Magazine to hold Mill Charges 1801 WASC 900/58 + MR 580 1827 WASC 900/04 + MPH 271 ; Charge Magazine 1830 WO55 2694 ; 118 1830 WASC 900/05 ; Charge Magazine c1835 WASC 900/07 ; Charge Magazine 1865 WASC 900/38 + SUPP5 975 1865 WASC 900/41A 1865 WASC 900/42 1897 WASC 900/53C c1910 WASC 900/65 ; 184 c1910 WASC 900/79 ; 184 1917 WASC 900/70 ; 184 1917 WASC 900/72 ; 184 1919 WASC 900/74 ; 184 c1920 WASC 900/80 ; 184 1923 WASC 900/84 ; 184 1932 WASC 900/87 ; 184 > 1940 WASC 900/91A ; 184 1954 A - B.34 ; H5 c1960 WASC 900/94 ; 184</p>	<p>DOCUMENTARY REFERENCES</p> <p>1783 WASC 1262 ; A Charge House 1807 Statement of Property WO55 2694 1830 Statement of Property WO55 2351 ; Charge Magazine 1841 Statement of Property WO55 2856 ; Charge Magazine 1851 Statement of Property WO55 3027 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Magazine c1925 RGPF Ledger WASC 1680 ; Magazine (H5) c1945 RGPF Ledger WASC 1508 ; Magazine (H5)</p>
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PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME
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RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: 182, 196, RCHME 296

CONDITION Demolished

DESCRIPTION

5) The site of the building lies between the canal and the western tail race. The elevated nature of its situation suggests that its foundations will survive as a buried archaeological feature.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 187	RCHME NUMBER	N.G.R. TL 37638 01091
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NAME/FUNCTION Loading Stage	START DATE 1890	END DATE 1950?
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NO PHOTOGRAPHY
AVAILABLE

CARTOGRAPHIC DEPICTION

1897 WASC 900/53C
 c1910 WASC 900/65 ; 187
 c1910 WASC 900/79 ; 187
 1917 WASC 900/70 ; 187
 1917 WASC 900/72 ; 187
 1919 WASC 900/74 ; 187
 c1920 WASC 900/80 ; 187
 1923 WASC 900/84 ; 187
 1932 WASC 900/87 ; 187
 > 1940 WASC 900/91A ; 187

DOCUMENTARY REFERENCES

1908 RGPF Ledger WASC 1509 + WASC 1764 ;
Loading Stage
 c1925 RGPF Ledger WASC 1680 ; Loading Stage
 c1945 RGPF Ledger WASC 1508 ; Loading Stage

**PHOTOGRAPHY
HISTORIC**

**PHOTOGRAPHY
RCHME**

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: Millhead Stream RCHME 296

CONDITION Demolished

DESCRIPTION

5) May survive as a buried feature between Millhead Stream and the eastern tailrace.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 190	RCHME NUMBER	N.G.R. TL 37645 01083
NAME/FUNCTION The Charging House Charge House/Magazine Magazine		START DATE pre 1735 pre 1783? 1908?	END DATE 1908? 1957?
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
<p>1783 WASC 900/01 + MR 593 ; A Charging House</p> <p>1783 WASC 900/01A ; A Magazine to Hold Mill Charges</p> <p>1801 WASC 900/58 + MR 580</p> <p>1827 WASC 900/04 + MPH 271 ; Charge Magazine</p> <p>1830 WO55 2694 ; Charge Magazine</p> <p>1830 WASC 900/05 ; Charge Magazine</p> <p>c1835 WASC 900/07 ; Charge Magazine</p> <p>1865 WASC 900/38 + SUPP5 975</p> <p>1865 WASC 900/41A</p> <p>1865 WASC 900/42</p> <p>1897 WASC 900/53C</p> <p>c1910 WASC 900/65 ; 190</p> <p>c1910 WASC 900/79 ; 190</p> <p>1917 WASC 900/70 ; 190</p> <p>1917 WASC 900/72 ; 190</p> <p>1919 WASC 900/74 ; 190</p> <p>c1920 WASC 900/80 ; 190</p> <p>1923 WASC 900/84 ; 190</p> <p>1932 WASC 900/87 ; 190</p> <p>> 1940 WASC 900/91A ; 190</p> <p>1954 A - B.34 ; 190</p> <p>c1960 WASC 900/94 ; 190 (demolished)</p>		<p>1735 Farmer J. Engraving ; "15" The Charging House</p> <p>1783 WASC 1262 ; A Charging House</p> <p>1807 Statement of Property WO55 2694</p> <p>1830 Statement of Property WO55 2351 ; Charge Magazine</p> <p>1841 Statement of Property WO55 2856 ; Charge Magazines</p> <p>1851 Statement of Property WO55 3027</p> <p>1908 RGPF Ledger WASC 1509 + WASC 1764 ; Magazine</p> <p>c1925 RGPF Ledger WASC 1680 ; Magazine</p> <p>c1945 RGPF Ledger WASC 1508 ; Magazine</p>	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: Millhead Stream RCHME 296			
CONDITION		Demolished	
DESCRIPTION			
<p>5) The site of the building lies on raised ground between the earthwork remains of the canal and the eastern tailrace. The raised nature of this area suggests that it will survive as a buried archaeological feature.</p>			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 191	RCHME NUMBER	N.G.R. TL 37630 01068
NAME/FUNCTION The New Mills 19 The New Mills 13&14 Gunpowder Mills Incorporating Mills No.4	START DATE pre 1783? 1783 1827 1886?	END DATE 1827 1886? 1957?	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
<p>1783 WASC 900/01 + MR 593 ; The New Mills 19</p> <p>1783 WASC 900/01A ; The New Mills 13&14</p> <p>1801 WASC 900/58 + MR 580</p> <p>1827 WASC 900/04 + MPH 271 ; Gunpowder Mills</p> <p>1830 WO55 2694 ; Gunpowder Mills</p> <p>1830 WASC 900/05 ; Gunpowder Mills</p> <p>c1835 WASC 900/07 ; Gunpowder Mills</p> <p>1865 WASC 900/38 + SUPP5 975 ; Incorporating Mills No.4</p> <p>1865 WASC 900/41A ; Incorporating Mills No.4</p> <p>1865 WASC 900/42 ; Incorporating Mills No.4</p> <p>1897 WASC 900/53C</p> <p>c1910 WASC 900/65 ; 191</p> <p>c1910 WASC 900/79 ; 191</p> <p>1917 WASC 900/70 ; 191</p> <p>1917 WASC 900/72 ; 191</p> <p>1919 WASC 900/74 ; 191</p> <p>c1920 WASC 900/80 ; 191</p> <p>1923 WASC 900/84 ; 191</p> <p>1932 WASC 900/87 ; 191</p> <p>> 1940 WASC 900/91A ; 191</p> <p>1954 A - B.34 ; H6</p> <p>c1960 WASC 900/94 ; 191 (demolished)</p>		<p>1783 WASC 1262 ; New Mills</p> <p>1807 Statement of Property WO55 2694 ; Mills</p> <p>1830 Statement of Property WO55 2351 ; Gunpowder Mills</p> <p>1841 Statement of Property WO55 2856 ; Gunpowder Mill</p> <p>1851 Statement of Property WO55 3027</p> <p>1908 RGPF Ledger WASC 1509 + WASC 1764 - Uncorp. Mill No.4</p> <p>c1925 RGPF Ledger WASC 1680 ; Incorp. Mill No.4(H6)</p> <p>c1945 RGPF Ledger WASC 1508 ; Incorp. Mill No.4(H6)</p>	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: Millhead Stream RCHME 296			
CONDITION		Demolished	
DESCRIPTION			
<p>5) The mill has been demolished. The site of the mill lies on a raised platform between the earthworks of the canal and the western tail race. The elevated nature of this area suggests that archaeological deposits relating to this mill probably remain intact.</p>			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 196	RCHME NUMBER	N.G.R. TL 37653 01054
NAME/FUNCTION Lobby	START DATE 1886	END DATE post 1957?	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION 1897 WASC 900/53C c1910 WASC 900/65 ; 196 c1910 WASC 900/79 ; 196 1917 WASC 900/70 ; 196 1917 WASC 900/72 ; 196 1919 WASC 900/74 ; 196 c1920 WASC 900/80 ; 196 1923 WASC 900/84 ; 196 1932 WASC 900/87 ; 196 >1940 WASC 900/91A ; 196 1954 A - B.34 ; 196		DOCUMENTARY REFERENCES 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Lobby c1925 RGPF Ledger WASC 1680 ; Lobby c1945 RGPF Ledger WASC 1508 ; Lobby	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: 198			
CONDITION Demolished			
DESCRIPTION 5) The site of the millmans lobby lies between the earthwork remains of the canal and the eastern tailrace. The raised nature of this area suggests that archaeological deposits relating to this building may survive.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 197	RCHME NUMBER	N.G.R. TL 37660 01034
NAME/FUNCTION The Dumb Mills Smeaton's Mills Gunpowder Mills Charcoal Mill and Mixing House No.1		START DATE pre 1735 1771 1827? 1888?	END DATE 1771 1827? 1888? c1950

NO PHOTOGRAPHY
AVAILABLE

CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES
1783 WASC 900/01 + MR 593 ; Smeatons Mills 1&2 1783 WASC 900/01A ; Smeatons Mills 3&4	1735 Farmer J. Engraving ; "13 & 14" The Dumb Mills
1827 WASC 900/04 + MPH 271 ; Gunpowder Mills 1830 WO55 2694 ; Gunpowder Mills 1830 WASC 900/05 ; Gunpowder Mills c1835 WASC 900/07 ; Gunpowder Mills 1865 WASC 900/41A ; Charcoal Mill and Mixing House No.1	1771 Smeaton J Vol II folio 33v.-39v. (Royal Society Library)
1865 WASC 900/42 ; Charcoal Mill and Mixing House No.1	1783 WASC 1262 ; Smeatons Mills (The Dumb Mills)
1897 WASC 900/53C c1910 WASC 900/65 ; 197 c1910 WASC 900/79 ; 197 1917 WASC 900/70 ; 197 1917 WASC 900/72 ; 197 1919 WASC 900/74 ; 197 c1920 WASC 900/80 ; 197 1923 WASC 900/84 ; 197 1932 WASC 900/87 ; 197 > 1940 WASC 900/91A ; 197	1807 Statement of Property WO55 2694 ; Mills 1830 Statement of Property WO55 2351 ; Gunpowder Mills 1841 Statement of Property WO55 2856 ; Gunpowder Mills 1851 Statement of Property WO55 3027
	1908 RGPF Ledger WASC 1509 + WASC 1764 ; Charcoal Mills c1925 RGPF Ledger WASC 1680 ; Charcoal Mills c1945 RGPF Ledger WASC 1508 ; Charcoal Mills
	1973 Cherry J."Post Medieval Archaeology" pp.132 c1974 WASC 1060 report on excavations ? WASC 1480? Photocopy of Map H-B25 WASC 1646 Drawings of excavations of Smeatons mill, drawn by Tony Burton

PHOTOGRAPHY HISTORIC 1) WASC 1479 Photographs of excavation september 1973	PHOTOGRAPHY RCHME
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RELATIONSHIPS WITH OTHER MONUMENTS
ASSOCIATED WITH:

CONDITION bank 0.6m in height.

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL
 Brick foundations formerly had timber superstructure
- 2) ROOF MATERIALS AND STRUCTURE
 -
- 3) POWER SOURCE
 Water
- 5) A mill may be shown to have occupied this site from at least the early eighteenth century and archaeological excavations (see below) may suggest the late seventeenth century. In 1771 a mill to a design by the eminent eighteenth century engineer John Smeaton was erected on the site. Later documentary and cartographic evidence indicated that this mill was probably rebuilt.

This is the only gunpowder mill on the site that has been the subject of any previous archaeological investigation (see documentary references above). Two short excavation seasons in the early 1970s suggested that the bank on which the mills sit was created in the late seventeenth century. Three distinct buildings were identified on the site dating between the late seventeenth century and the mid-nineteenth century, along with minor modifications. The consolidation of the canal revetment from timber to brick was also noted.

The field remains consist of most of the eastern brick foundations of the mill, forming also the edge of the tailrace. Within this stretch of wall the central wheel pit is visible although rubble filled. Minor irregular scarps on the platform between the tailrace and Millhead stream are indicative of building remains close to the surface.

The potential for well preserved archaeological deposits in this area is high.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 198	RCHME NUMBER	N.G.R. TL 37660 01035
NAME/FUNCTION Charcoal Mill & Mixing House Earth Closet	START DATE 1865? 1906-7(rebuild as E.C.)	END DATE 1906-7(demolished) 1950?	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
<p>1865 WASC 900/38 + SUPP5 975 ; Charcoal Mill and Mixing House</p> <p>1865 WASC 900/41A</p> <p>1865 WASC 900/42</p> <p>1897 WASC 900/53C</p> <p>c1910 WASC 900/65 ; 198</p> <p>c1910 WASC 900/79 ; 198</p> <p>1917 WASC 900/70 ; 198</p> <p>1917 WASC 900/72 ; 198</p> <p>1919 WASC 900/74 ; 198</p> <p>c1920 WASC 900/80 ; 198</p> <p>1923 WASC 900/84 ; 198</p> <p>1932 WASC 900/87 ; 198</p> <p>> 1940 WASC 900/91A ; 198</p>		<p>1908 RGPF Ledger WASC 1509 + WASC 1764 ; Brimstone Mixing House(demol)</p> <p>c1925 RGPF Ledger WASC 1680 ; Brimstone Mixing House(demolished No. given to E.C.)</p> <p>c1945 RGPF Ledger WASC 1508 ; Brimstone Mixing House(demolished No. given to E.C.)</p>	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: 197			
CONDITION Demolished			
DESCRIPTION			
5) No surface remains, it may survive as a buried feature.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 202	RCHME NUMBER	N.G.R. TL 37659 01013
NAME/FUNCTION A Charging House Charge Magazine Magazine Saltpetre Store	START DATE pre 1783? 1830 1908? 1907?	END DATE 1803 1908? 1907? 1957?	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION 1783 WASC 900/01 + MR 593 ; A Charging House 1783 WASC 900/01A 1801 WASC 900/58 + MR 580 1830 WO55 2694 ; 121 1830 WASC 900/05 ; Charge Magazine c1835 WASC 900/07 ; Charge Magazine 1865 WASC 900/38 + SUPP5 975 1865 WASC 900/41A 1865 WASC 900/42 1897 WASC 900/53C c1910 WASC 900/65 ; 202 c1910 WASC 900/79 ; 202 1917 WASC 900/70 ; 202 1917 WASC 900/72 ; 202 1919 WASC 900/74 ; 202 c1920 WASC 900/80 ; 202 1923 WASC 900/84 ; 202 1932 WASC 900/87 ; 202 > 1940 WASC 900/91A ; 202		DOCUMENTARY REFERENCES 1783 WASC 1262 ; A Charge House 1807 Statement of Property WO55 2694 1830 Statement of Property WO55 2351 ; Charge Magazine 1841 Statement of Property WO55 2856 ; Charge Magazine 1851 Statement of Property WO55 3027 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Magazine c1925 RGPF Ledger WASC 1680 ; Magazine(L174) (saltpetre store 06-7) c1945 RGPF Ledger WASC 1508 ; Magazine(L174)	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: Millhead Stream RCHME 296			
CONDITION Demolished			
DESCRIPTION 5) The building has been demolished, no surface evidence was seen for the building. The foundations may survive as archaeological deposits.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 211	RCHME NUMBER	N.G.R. TL 37652 00994
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NAME/FUNCTION Stamping Mills Head Mills 16 Head Mills 7 & 8 Charcoal Store	START DATE pre 1735 pre 1783? 1783 1888 (extn)	END DATE by 1772? 1888 (extn) 1957?
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NO PHOTOGRAPHY
AVAILABLE

CARTOGRAPHIC DEPICTION

1783 WASC 900/01 + MR 593 ; Head Mills 16
 1783 WASC 900/01A ; Head Mills 7&8
 1801 WASC 900/58 + MR 580 ; Head Mills
 1865 WASC 900/38 + SUPP5 975
 1865 WASC 900/41A ; Charcoal Store
 1865 WASC 900/42 ; Charcoal Store
 1897 WASC 900/53C
 c1910 WASC 900/65 ; Charcoal Store
 c1910 WASC 900/79 ; Charcoal Store
 1917 WASC 900/70 ; 211
 1917 WASC 900/72 ; 211
 1919 WASC 900/74 ; 211
 c1920 WASC 900/80 ; 211
 1923 WASC 900/84 ; 211
 1932 WASC 900/87 ; 211
 > 1940 WASC 900/91A ; 211
 1954 A - B.34 ; 211
 c1960 WASC 900/94 ; 211 (demolised)

DOCUMENTARY REFERENCES

1735 Farmer J. Engraving ; "12" one of two Stamping Mills
 1783 WASC 1262 ; Stamping Mills (Head Mills)
 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Charcoal Store
 c1925 RGPF Ledger WASC 1680 ; Charcoal store
 c1945 RGPF Ledger WASC 1508 ; Charcoal Store

PHOTOGRAPHY
HISTORIC

PHOTOGRAPHY
RCHME

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: 211a

CONDITION Demolished potential for buried remains good

DESCRIPTION

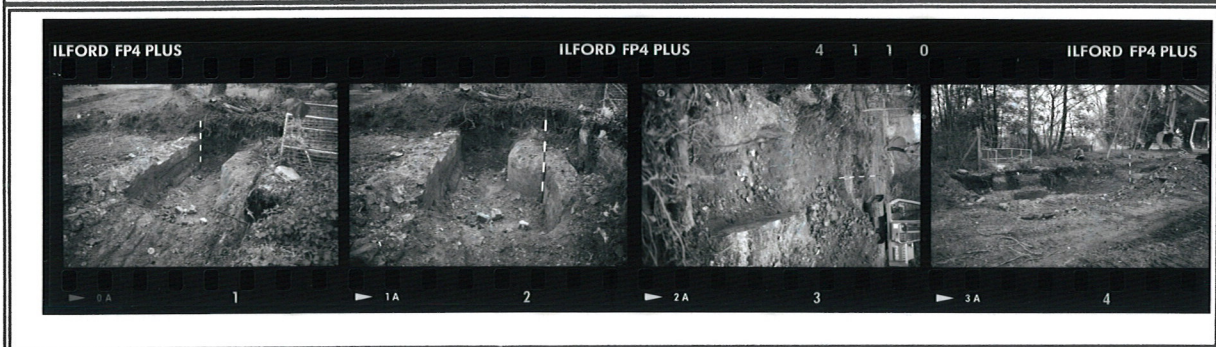
3) POWER SOURCE
Water

5) The building has been demolished. The remains of this building may be traced as brick foundations west of the filled canal. Within the building is a section of narrow guage rail, the rail is wooden sheathed by an L iron, guage 18". The potential for archaeological deposits within this area is good.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 211a	RCHME NUMBER	N.G.R. TL 37667 00995
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NAME/FUNCTION Stamping Mills Head Mills 15 Head Mills 5 & 6 Incorporating Mill No.1 Matrons Room	START DATE pre 1735 pre 1783? 1783 1888? 1910?	END DATE by 1772? 1888? 1910? 1957?
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<p>CARTOGRAPHIC DEPICTION</p> <p>1783 WASC 900/01 + MR 593 ; Head Mills 15 1783 WASC 900/01A ; Head Mills 5&6 1801 WASC 900/58 + MR 580 1865 WASC 900/38 + SUPP5 975 ; Incorporating Mills 1865 WASC 900/41A ; Incorporating Mills No.1 1865 WASC 900/42 ; Incorporating Mills No.1 1897 WASC 900/53C c1910 WASC 900/65 ; Incorp. Mills No.1 c1910 WASC 900/79 ; Incorp. Mills No.1 1917 WASC 900/70 ; 211a 1917 WASC 900/72 ; 211a 1919 WASC 900/74 ; 211a c1920 WASC 900/80 ; 211a 1923 WASC 900/84 ; 211a 1932 WASC 900/87 ; 211a >1940 WASC 900/91A ; 211a 1954 A - B.34 ; 211a</p>	<p>DOCUMENTARY REFERENCES</p> <p>1735 Farmer J. Engraving ; "11" one of two Stamping Mills 1783 WASC 1262 ; Stamping Mills (Head Mills) 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Matrons Room c1925 RGPF Ledger WASC 1680 ; Matrons Room c1945 RGPF Ledger WASC 1508 ; Matrons Room</p>
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<p>PHOTOGRAPHY HISTORIC</p>	<p>PHOTOGRAPHY RCHME</p> <p>206/0/1 From North 30.4.93 206/0/2 From North 30.4.93 206/0/3 From South 30.4.93</p>
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<p>RELATIONSHIPS WITH OTHER MONUMENTS</p> <p>ASSOCIATED WITH: Millhead stream RCHME 296, 211 UNDERLIES: A292</p>	<p>206/0/4 From South 30.4.93</p>
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CONDITION	Demolished
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DESCRIPTION

3) POWER SOURCE
Water


5) The building has been demolished. From the earthwork evidence and our knowledge of the demolition processes (pers. comm. M Maclaren), it is thought likely that the foundations and archaeological deposits relating to this structure survive intact.

30th April 1993 - During the removal of the building slab A292 the mechanical digger driver removed upto 2m of 'loose' rubble from beneath the slab. At least three phases of brick work foundations were revealed and a brick lined leat. Depth of archaeological deposits therefore estimated in excess of 2m at this point.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER L123	OLD SERIES	RCHME NUMBER	N.G.R. TL 37510 01342
NAME/FUNCTION Magazine solvent store		START DATE 1952	END DATE 198?
			
CARTOGRAPHIC DEPICTION c1963 WASC 900/97 1972 WASC 900/102 1972 WASC 900/104 1976 WASC 900/113		DOCUMENTARY REFERENCES 1972 ERDE List - Solvent Store 1952 1992 RARDE List - Magazine solvent store	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME 1) 206/N/18 From southwest	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: L128			
CONDITION Good			
DESCRIPTION <ol style="list-style-type: none"> 1) CONSTRUCTIONAL MATERIAL Brick 2) ROOF MATERIALS AND STRUCTURE Corrugated asbestos 3) POWER SOURCE Steam heating and electricity 4) DIMENSIONS i) L 4.7m ii) W 2.3m iii) HT 2.75m 5) The building is single storeyed with a rectangular ground plan it has gabled walls east and west. The building is divided into two by a centre partition wall. The northern room was entered through metal grided doors on the west and east elevations the southern room through double doors on the southern elevation. Attached to the north of the building was an open sided gas bottle store covered by a veranda. The building was protected by a lightning conductor. 			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER L128	OLD SERIES 150A	RCHME NUMBER	N.G.R. TL 37520 01335
NAME/FUNCTION Fuse powder magazine no.2 Radio Chemistry		START DATE 1915 1961	END DATE 198?
			
CARTOGRAPHIC DEPICTION 1917 WASC 900/70 ; Fuse Powder Magazine No.2 1917 WASC 900/72 ; 150a 1919 WASC 900/74 ; 150a c1920 WASC 900/80 ; 150a 1923 WASC 900/84 ; 150a > 1940 WASC 900/91A ; 150a 1954 A - B.34 ; L128 c1960 WASC 900/94 ; L128 c1963 WASC 900/97 ; L128 1972 WASC 900/102 ; L128 1972 WASC 900/104 ; L128 1976 WASC 900/113 ; L128		DOCUMENTARY REFERENCES 1972 ERDE List - Radio Chemistry Laboratory, 1915, 1961 1992 RARDE List - Radio Chemistry Laboratory	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME 1) 206/N/19 From south 206/N/20 From west showing blocked barge porch	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: L123			
CONDITION Good			

DESCRIPTION

1) **CONSTRUCTIONAL MATERIAL**
Brick in English bond


2) **ROOF MATERIALS AND STRUCTURE**
Corrugated asbestos

3) **POWER SOURCE**
Electricity and steam heating


4) **DIMENSIONS** i) L 14.6m ii) W 9.3m iii) HT 5m

5) The building is a single storey structure T shaped in plan, its north and south ends are gabled. The building is set on a raised concrete raft supported by concrete piers. the building was originally a magazine served by Millhead Stream RCHME 296 from a porch on the west side. Subsequent to its conversion to laboratories windows have been inserted and the canal side entrance blocked. The building is now entered through a door on the north side of the porch. On the north and south elevations are single windows while on the west elevations are two windows, the north elevation is blank. The interior has been subdivided to create laboratory accomodation. The building is protected by a lightning conductor.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 218	N.G.R. TL 37590 01196
NAME/FUNCTION Temporary Dusting House Barrel House		START DATE pre 1827 1865?	END DATE 1865? 1900?
			
CARTOGRAPHIC DEPICTION 1827 WASC 900/04 + MPHH 271 ; Temporary Dusting House 1830 WO55 2694 ; 128 1830 WASC 900/05 ; Temporary Dusting House c1835 WASC 900/07 ; Temporary Dusting House 1865 WASC 900/38 + SUPP5 975 ; Barrel House 1865 WASC 900/41A ; Barrel House 1865 WASC 900/42 ; Barrel House 1897 WASC 900/53C		DOCUMENTARY REFERENCES 1807 Statement of Property WO55 2694 1830 Statement of Property WO55 2351 ; Temporary Dusting House 1841 Statement of Property WO55 2856 ; Temporary Dusting House 1851 Statement of Property WO55 3027	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME 1) RCHM218 206/L/4 09 Mar 1993 From South West	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: Millhead Stream RCHME 296			
CONDITION Demolished			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Brick 3) POWER SOURCE - 4) DIMENSIONS i) L 9.2m ii) W 5.4m iii) HT 1.15m 5) The foundations of this building survive along the west side where they form the edge of the western tailrace, the north and south walls are almost buried although a small round headed brick arch is visible towards the western end of each wall. The eastern wall of the building is visible on the platform between the tail race and the canal as a slight linear earthwork.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 219	N.G.R. TL 37584 01207
NAME/FUNCTION Weir		START DATE pre1865	END DATE post 1957?
			
CARTOGRAPHIC DEPICTION 1865 WASC 900/38 + SUPP5 975 1865 WASC 900/41A 1865 WASC 900/42 1897 WASC 900/53C c1910 WASC 900/65 c1910 WASC 900/79 1917 WASC 900/70 1917 WASC 900/72 1919 WASC 900/74 c1920 WASC 900/80 1923 WASC 900/84 1932 WASC 900/87 > 1940 WASC 900/91A 1954 A - B.34		DOCUMENTARY REFERENCES	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME 1) 206/L/5 09 Mar 1993 From South West	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: Millhead Stream RCHME 296, RCHME 301			
CONDITION Fair			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Brick 4) DIMENSIONS i) L 9.75m ii) W 6.66m iii) HT end walls 0.65m 5) The weir consists of two vertical walls to the north and south, between these walls is a flat brick surface laid in a herring bone pattern. The western edge is revetted in timber, the eastern edge along Millhead Stream is revetted in later concrete.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 222	N.G.R. TL 37568 01234
NAME/FUNCTION Lock		START DATE 1896-7	END DATE post 1957?



<p>CARTOGRAPHIC DEPICTION</p> <p>1897 WASC 900/53C c1910 WASC 900/65 c1910 WASC 900/79 1917 WASC 900/70 1917 WASC 900/72 1919 WASC 900/74 c1920 WASC 900/80 1923 WASC 900/84 1932 WASC 900/87 > 1940 WASC 900/91A 1954 A - B.34 c1960 WASC 900/94 c1963 WASC 900/97 1972 WASC 900/102 ; Lock (disused) 1972 WASC 900/104 ; Lock (disused) 1976 WASC 900/113</p>	<p>DOCUMENTARY REFERENCES</p>
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<p>PHOTOGRAPHY HISTORIC</p>	<p>PHOTOGRAPHY RCHME</p> <p>1) 206/L/6 09 Mar 1993 Lock from South 206/L/7 09 Mar 1993 Lock chamber from South East 206/L/8 09 Mar 1993 Gates at North end from South</p>
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<p>RELATIONSHIPS WITH OTHER MONUMENTS</p> <p>ASSOCIATED WITH: Millhead Stream RCHME 296, RCHME 301</p>

<p>CONDITION Good</p>

DESCRIPTION

- 1) **CONSTRUCTIONAL MATERIAL**
Brick chamber sides, wooden gates
- 3) **POWER SOURCE**
Muscle
- 4) **DIMENSIONS** i) L 27.5m ii) W 4.44m iii) chamber depth 2.4m
- 5) The lock controls access between the high level canal system Millhead stream RCHME 296 and the low level system RCHME 301. The date of its construction is coincidental with the building of the south site Guncotton Factory and may reflect the increased barge traffic between the two sites.

The lock chamber and entrances constructed from grey engineering brick, a date stone set into the chamber wall reads '1896-7'. The lock gates are wooden with iron fittings. The lock chamber could be sealed by vertical sluice boards north of the north gates, the vertical slots for the boards remain. The sides of the lock chamber are protected by vertical rubbing boards, access into the chamber was by means of a vertical metal ladders set into the chamber wall on the west and east sides. Around the top of the chamber are set four cannons barrel down to act as mooring bollards.

The lock was filled from the high level system Millhead Stream by the means of two inlet valves sliding vertically and controlled by a hand wheel on a vertical screw thread. This allowed water to be discharged through a pipe to the south of the lock gates to fill the chamber. A similar arrangement is present at the south end of the chamber to discharge water. In this case the pipe is inside the chamber and the outlet valve to the south of the gates. The cast iron valve gear has the following name cast into it 'FREDK BIRD & CO 11 GT CASTLE STREET REGENT ST LONDON'.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 223	N.G.R. TL 37586 01264
NAME/FUNCTION Footbridge	START DATE	END DATE	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: 157, 159			
CONDITION	Poor		
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Timber 4) DIMENSIONS i) L 9m ii) W 1.8m 5) The timber trestles for this bridge remain on the east and west side of the eastern tail race. The bridge formerly carried the path from the dusting house 159 to the shoe room 157 over the tail race.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 258	N.G.R.
NAME/FUNCTION Millstones		START DATE	END DATE
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/N/15 millstone group 206/N/16 millstone detail		
RELATIONSHIPS WITH OTHER MONUMENTS	206/N/17 millstone detail		
ASSOCIATED WITH:			
CONDITION	Good		

DESCRIPTION

1) CONSTRUCTIONAL MATERIAL
Sandstone

3) POWER SOURCE
Water?

5) Twelve sandstone millstones were found during ground clearance work between L128 and L155. All the stones have a circular central hole and have or had a grooved surface on their running edges. Also included in this deposit was a large broken sandstone bedstone and a number broken sandstone window sills.

1)Diameter: 52cm	2)Diameter: 58cm
Thickness:28cm	Thickness: 31cm
Central hole: 13cm	Central Hole: 12.5cm
Grooves: 5mm	Grooves: 3mm

3)Diameter: 55cm	4)Diameter: 53.5cm
Thickness: 30cm	Thickness: 30cm
Central hole: 12.7cm	Central Hole: 13cm
Grooves: 2mm	Grooves: 2mm

5)Diameter: 55cm	6)Diameter: 56.5cm
Thickness: 24.5cm	Thickness: 30.5cm
Central hole: 13cm	Central Hole: 13cm
Grooves: 2mm	Grooves: worn

7)Diameter: 55cm	8)Diameter: 56cm
Thickness: 29.5c	Thickness: 30cm
Central hole: 13cm	Central Hole: 13cm
Grooves: 1mm	Grooves: worn

9)Diameter: 53cm	10)Diameter: 51cm
Thickness: 30.5cm	Thickness: 30cm
Central hole: 12.5cm	Central Hole: 12.5cm
Grooves: 2mm	Grooves: worn

11)Diameter: 57cm	12)Diameter: 69cm
Thickness: 28.5cm	Thickness: 24cm
Central hole: 14cm	Central Hole: 12.5cm
Grooves: worn	Grooves: worn

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER	N.G.R.
		272	TL 37642 01015
NAME/FUNCTION		START DATE	END DATE
Hoppit Mills 18		pre 1783?	
Hoppit Mills 10 & 9		1783	1827?
Gunpowder Mills		1827?	1830
Water Composition Mill & Gunpowder Mill		1830	1888?
Saltpetre Store, Brimstone and Charcoal Mixing House No.2		1888?	1900?
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
1783	WASC 900/01 + MR 593 ; Hoppit Mills 18	1783	WASC 1262 ; Hoppit Mill
1783	WASC 900/01A ; Hoppit Mills 9&10		
1801	WASC 900/58 + MR 580 ; Hoppit Mills	1807	Statement of Property WO55 2694 ; Mills
1827	WASC 900/04 + MPH 271 ; Gunpowder Mills	1830	Statement of Property WO55 2351 ; Gunpowder Mills
c1835	WASC 900/07 ; Gunpowder Mills		
1865	WASC 900/38 + SUPP5 975 ; Saltpetre Store, Brimstone & Charcoal Mixing House No.2	1841	Statement of Property WO55 2856 ; Gunpowder Mill used as a
1865	WASC 900/41A ; Saltpetre Store, Brimstone & Charcoal Mixing House No.2		
1865	WASC 900/42 ; Saltpetre Store, Brimstone & Charcoal Mixing House No.2		
1897	WASC 900/53C	1851	Statement of Property WO55 3027 ; Composition Mill
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS			
ASSOCIATED WITH: Millhead stream RCHME 296			
CONDITION		Good: brick foundations visible on the surface	

DESCRIPTION

- 1) **CONSTRUCTIONAL MATERIAL**
Brick foundations formerly had timber superstructure
- 2) **ROOF MATERIALS AND STRUCTURE**
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- 3) **POWER SOURCE**
Water
- 4) **DIMENSIONS** i) L 30m ii) W 8.3m
- 5) The building has been demolished. The outline of the building may be discerned on the surface as brick foundations. Along the eastern side the brick line may mark the canal edge. The closeness of brick foundations to the surface suggests that archaeological deposits remain intact within the building.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 274	N.G.R. TL 37480 01374
NAME/FUNCTION The Little Stove Stove Gloom Stove Heading Up House/Barreling House		START DATE pre 1735 pre 1783 1827 1851?	END DATE 1827 1851? 1900?
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
1783	WASC 900/01 + MR 593 ; A Stove	1735	Farmer J. Engraving ; "19" The Little Stove
1783	WASC 900/01A ; A Stove to Dry Gunpowder	1783	WASC 1262 ; A Stove (Little Stove)
1801	WASC 900/58 + MR 580 ; Lower Stove	1807	Statement of Property WO55 2694
1827	WASC 900/04 + MPH 271 ; Gloom Stove	1830	Statement of Property WO55 2351 ; Gloom Stove
1830	WO55 2694 ; 132	1841	Statement of Property WO55 2856 ; Gloom Stove
1830	WASC 900/05 ; Small Gloom Stove	1851	Statement of Property WO55 3027 ; Old Gloom Stove now Barrel House
c1835	WASC 900/07 ; Gloom Stove		
1865	WASC 900/38 + SUPP5 975 ; Heading up House		
1865	WASC 900/42 ; Heading up House		
1897	WASC 900/53C		
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS			
ASSOCIATED WITH: Millhead Stream RCHME 296			
CONDITION Good			
DESCRIPTION			
5) Probably removed when Horsemill Stream was widened in the early 1970s.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 275	N.G.R. TL37611 02097
NAME/FUNCTION Dusting House No.4		START DATE pre 1860?	END DATE 1900?
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION 1865 - WASC 900/38 + SUPP5 975 ; Dusting House No.4 1865 - WASC 900/41A ; Dusting House No.4 1865 - WASC 900/42 ; Dusting House No.4 1897 - WASC 900/53C		DOCUMENTARY REFERENCES	
PHOTOGRAPHY HISTORIC <i>PRG 500/14 1874</i>		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: PART OF: CONSISTS OF: CUTS: CUT BY: ABUTTS: ABUTTED BY: OVERLIES: UNDERLIES:			
CONDITION GOOD: FAIR: POOR: VERY BAD: DESTROYED: ?BURIED:			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL a) BRICK b) CONCRETE c) BRICK AND CONCRETE d)TIMBER e) CAST IRON f) CORRUGATED IRON 2) ROOF MATERIALS AND STRUCTURE a) SLATE b) TILE c) BRICK d) CONCRETE e) TIMBER AND SHEETING f) CORRUGATED IRON 3) POWER SOURCE a) MUSCLE b) WATER c) STEAM d) GAS e) ELECTRICITY f) COMBUSTION ENGINE 4) DIMENSIONS i) L ii) W iii) HT iv)DIA 5) FREE TEXT			

