

THE ROYAL GUNPOWDER FACTORY

WALTHAM ABBEY

Lower Island Works



THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 339	RCHME NUMBER	N.G.R. TL 37706 00544
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NAME/FUNCTION Store	START DATE	END DATE
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<p>CARTOGRAPHIC DEPICTION</p> <p>1827 WASC 900/04 + MPH 271 ; 20 Range of Five Store Houses</p>	<p>DOCUMENTARY REFERENCES</p> <p>1908 RGPF Ledger WASC 1509 + WASC 1764 ; Stores built pre 1840 p38</p> <p>c1925 RGPF Ledger WASC 1680 ; Stores</p> <p>c1945 RGPF Ledger WASC 1508 ; Stores</p>
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<p>PHOTOGRAPHY HISTORIC</p>	<p>PHOTOGRAPHY RCHME</p> <p style="text-align: center;">1) 206/Q/13 From north west</p>
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<p>RELATIONSHIPS WITH OTHER MONUMENTS</p> <p>ASSOCIATED WITH:</p>

<p>CONDITION Partly demolished</p>

<p>DESCRIPTION</p> <p>1) CONSTRUCTIONAL MATERIAL Brick in English bond</p> <p>4) DIMENSIONS i) L 12.15m ii) W</p> <p>5) The building has partly been demolished although the north and west walls have been retained as a boundary wall along High Bridge Street. Within the walls are a number of blocked doors and windows. The interior of the building was originally stone flagged.</p>

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER	OLD SERIES 340-343	RCHME NUMBER	N.G.R. TL 37708 00535
NAME/FUNCTION Stores		START DATE 1806-27	END DATE
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION 1827 WASC 900/04 + MPH 271 ; 20 Range of Five Store Houses		DOCUMENTARY REFERENCES 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Stores built pre 1840 p38 c1925 RGPF Ledger WASC 1680 ; Stores c1945 RGPF Ledger WASC 1508 ; Stores	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: 339, 344-353, 358-362			
CONDITION Demolished			
DESCRIPTION 5) Demolished			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 344-352	N.G.R. TL 37718 00486
NAME/FUNCTION Saltpetre Store House Store houses Acetone Stores		START DATE 1801-06 By 1830 By 1898	END DATE 1830 1898?
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION 1806 WO78/1352 ; 69 Grand Store House 1827 WASC 900/4; 11		DOCUMENTARY REFERENCES 1807 WO55/2351;69 1830 WO55/2694;18 Storehouses 1841 WO55/2856;18 Storehouses 1851 WO55/3027;70 Storehouses 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Acetone Stores c1925 RGPF Ledger WASC 1680 ; Acetone Stores c1945 RGPF Ledger WASC 1508 ; Acetone Stores	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: 339, 340-343			
CONDITION Demolished			
DESCRIPTION 5) Brick foundations parallel to the canal mark the eastern side of this building. Sandstone door steps are visible along this eastern wall.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 353-362	RCHME NUMBER	N.G.R. TL 37703 00472
NAME/FUNCTION Stores	START DATE 1806-27	END DATE	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
1827 WASC 900/04 + MPH 271 ; 18 Range of Ten Store Houses for Saltpetre and Sulphur		1908 RGPF Ledger WASC 1509 + WASC 1764 ; Stores built pre 1840 p38 c1925 RGPF Ledger WASC 1680 ; Stores c1945 RGPF Ledger WASC 1508 ; Stores	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS			
ASSOCIATED WITH: 339, 340-343, 344-52			
CONDITION Demolished			
DESCRIPTION			
5) The west wall of the building survives to a height of 0.8m, odd stone floor slabs remain insitu.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 375,376	RCHME NUMBER	N.G.R. TL 37665 00363
NAME/FUNCTION Brimstone/ Sulphur Refinery and Sulphur Dome		START DATE 1806-27	END DATE

NO PHOTOGRAPHY
AVAILABLE

CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES
1827 WASC 900/04 + MPH 271 ; 17 Subliming House	1830 Dryson.F. MP 11.15, p3,p8,p9
	1830 WO55/2698;17 Subliming Kiln
	1841 WO55/2856;17 Subliming Kiln
	1851 WO55/3027;71 Subliming Kiln
	1857 Maj Frazer Baddeley R.A. <u>Pamphlet on the Manufacture of Gunpowder Waltham Abbey</u> p8-11
	1870 Capt F.M.Smith R.A. <u>Handbook of the manufacture & proof of gunpowder as carried on at The R.G.P.F Waltham Abbey</u> p22-25 Plate 2-6
	1888 Maj Gen W.H.Wardell <u>Handbook of Gunpowder & Guncotton</u> 1888 p43-46 Fig 1-2 p43
	1895 Guttman O. <u>Manual of Explosives Vol.I</u> p50-59 fig.9-14
	1908 RGPF Ledger WASC 1509 + WASC 1764 ; Brimstone Refinery built pre 1850 p40
	c1925 RGPF Ledger WASC 1680 ; Brimstone Refinery
	c1945 RGPF Ledger WASC 1508 ; Brimstone Refinery
	WASC 901/23 Not dated Plan Sections & Elevation of the Sulphur Subliming Dome (375)
	WASC 901/24 Sept 1912 Lower Island Sulphur Refinery

PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME
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RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH:

CONDITION Demolished

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL
Brick
- 2) ROOF MATERIALS AND STRUCTURE
-
- 3) POWER SOURCE
-
- 4) DIMENSIONS i) L 25.2m ii) W 7m
- 5) A few courses of the brick foundations to this building survive. Its site is partially buried by dumped river gravel. Within the building are numerous copper nails.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 338	RCHME NUMBER	N.G.R. TL 37691 00546
NAME/FUNCTION Cottage Watch House		START DATE 1806-27	END DATE
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION 1888 WASC 900/04 + MPH 271 ; 21 Watch House		DOCUMENTARY REFERENCES 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Water Wardens House,Dining Room,Fire Engine House pre 1871 p37 c1925 RGPF Ledger WASC 1680 ; Water Wardens House,Dining Room,Fire Engine House c1945 RGPF Ledger WASC 1508 ; Water Wardens House,Dining Room,Fire Engine House	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS			
CONDITION Very Bad			
DESCRIPTION 5) Demolished			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 379	RCHME NUMBER	N.G.R. TL 37637 00217
NAME/FUNCTION Shifting Room		START DATE 1886	END DATE
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION 1865 WASC 900/38 + SUPP5 975 ; Shifting Room		DOCUMENTARY REFERENCES 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Shifting Room built 1886 p40 c1925 RGPF Ledger WASC 1680 ; Shifting Room c1945 RGPF Ledger WASC 1508 ; Shifting Room WASC 901/37 28 Nov 1887	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS			
CONDITION Demolished			
DESCRIPTION No Surface Remains			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 381	RCHME NUMBER	N.G.R. TL 37629 00206
NAME/FUNCTION Machinery Store		START DATE 1886	END DATE 197?

NO PHOTOGRAPHY
AVAILABLE

CARTOGRAPHIC DEPICTION 1865 WASC 900/38 + SUPP5 975 ; Machinery Shed	DOCUMENTARY REFERENCES 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Machinery Store built 1886 p40 c1925 RGPF Ledger WASC 1680 ; Machinery Store c1945 RGPF Ledger WASC 1508 ; Machinery Store WASC 901/34 Store for Special Material
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PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME
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RELATIONSHIPS WITH OTHER MONUMENTS

CONDITION Demolished

DESCRIPTION

No Surface Remains

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 382	RCHME NUMBER	N.G.R. TL 37624 00196
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NAME/FUNCTION Pulley Store	START DATE 1886	END DATE
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NO PHOTOGRAPHY
AVAILABLE

CARTOGRAPHIC DEPICTION 1865 WASC 900/38 + SUPP5 975	DOCUMENTARY REFERENCES 1886 WASC 901/32 15 Feb 1886 Lower Island Covered way 1886 WASC 901/33 15 Feb 1886 Lower Island Covered way 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Pulley Store built 1886 p40 c1925 RGPF Ledger WASC 1680 ; Pulley Store c1945 RGPF Ledger WASC 1508 ; Pulley Store
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PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME
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RELATIONSHIPS WITH OTHER MONUMENTS

CONDITION Demolished

DESCRIPTION

No Surface Remains

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER	OLD SERIES 384	RCHME NUMBER	N.G.R. TL 37633 00184
NAME/FUNCTION Clean Store		START DATE 1886	END DATE
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION 1865 WASC 900/38 + SUPP5 975		DOCUMENTARY REFERENCES 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Clean Store built 1886 p41 c1925 RGPF Ledger WASC 1680 ; Clean Store c1945 RGPF Ledger WASC 1508 ; Clean Store	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS			
CONDITION Demolished			
DESCRIPTION No Surface Remains			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 385	RCHME NUMBER	N.G.R. TL 37617 00172
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NAME/FUNCTION Boiler House Acetone Store	START DATE 1859 1900	END DATE 1900 1945
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NO PHOTOGRAPHY
AVAILABLE

CARTOGRAPHIC DEPICTION 1865 WASC 900/38 + SUPP5 975 ; Boiler House	DOCUMENTARY REFERENCES 1859 WASC 901/19 23 Dec 1859 Plan Section Elevation of new Boiler House and shaft Lower Island 1859 WASC 901/20 23 Dec 1859 Plan & Section of windows & Door for new Boiler House 1885 WASC 901/28 22 Jan 1885 proposed new Charcoal store & additions to Boiler House 1885 WASC 901/29 22 Jan 1885 proposed new Charcoal store additions to Boiler House 1886 WASC 901/30 25 Jan 1886 Shifting room includes proposed skylight for NG Boiler House 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Acetone Store pre 1886 p41 c1925 RGPF Ledger WASC 1680 ; Acetone Store c1945 RGPF Ledger WASC 1508 ; Acetone Store
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PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME
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RELATIONSHIPS WITH OTHER MONUMENTS

CONDITION Demolished

DESCRIPTION

No Surface Remains

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 387	RCHME NUMBER	N.G.R. TL 37598 00140
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NAME/FUNCTION Incorporating Mills No.11, Group B mills Acetone Store	START DATE 1859 1900?	END DATE 1900? 1945
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NO PHOTOGRAPHY
AVAILABLE

CARTOGRAPHIC DEPICTION

1865 WASC 900/38 + SUPP5 975 ; Incorporating Mills

DOCUMENTARY REFERENCES

1856/7 WASC 901/3 1856/7 Plan sections of pump wheel house Lower Island
 1857 WASC 901/4 27-Jan 1857 sketch of roof for the New pump & wheel house
 1857 WASC 901/1 3.Jul 1857 Plan Sections Elevations of New Mills Group B with wheel house
 1857 WASC 901/2 3.Jul 1857 Plan section elevations of New Mills with wheel house & C at Lower Island
 & C at Lower Island
 1894 WASC 901/1A 1894 includes construction table WASC 901/8 Not dated New cut from River Lea & Lower Island
 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Acetone Store built 1859 p41
 e1925 RGPF Ledger WASC 1680 ; Acetone Store
 c1945 RGPF Ledger WASC 1508 ; Acetone Store

PHOTOGRAPHY HISTORICAL

Supply 5/860 82-4 Explosion Group B Mills 11b 17/10/1895
 Supply 5/860 107-8 Explosion Group B Mills 11b 16/7/1897
 Supply 5/860 119-20 Explosion Group B Mills 11b 16-6-1898
 Supply 5/860 122-5 Explosion Group B Mills 11b 21-4-1899

PHOTOGRAPHY RCHME

RCHME Neg. No. BB92/16722 ; 11b Mill Exploded 16/6/1898 Copy of Photo in Supply 5/860
 RCHME Neg. No. BB92/16747 ; 11b Mill Exploded 16/6/1898 Copy of Photo in Supply 5/860
 RCHME Neg. No. BB92/16733 ; 11b Mill Exploded 21/4/1899 Copy of Photo in Supply 5/860
 RCHME Neg. No. BB92/16719 ; 11b Mill Exploded 21/4/1899 Copy of Photo in Supply 5/860

RELATIONSHIPS WITH OTHER MONUMENTS

Associated with: RCHME 351

CONDITION Demolished

DESCRIPTION

No Surface Remains

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 388	RCHME NUMBER	N.G.R. TL 37566 00096
NAME/FUNCTION Millmans Cottage Water Wardens House,Dining Room,Fire Engine House		START DATE 1801-06	END DATE
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION 1827 WASC 900/04 + MPHH 271 ; 16 Watch House and Engine House		DOCUMENTARY REFERENCES 1858 WASC 901/21 17 Sept 1858 Plan section showing proposed wash-up room & attached to the Watch room 1865 WASC 901/306 17 May 1865 alteration Plan Section to cottage Lower Island 1887 WASC 901/36 4 May 1887 convert "Watch House" to "Dining Room" WASC 901/12 Not dated Sketch showing the proposed additional room to the house occupied by the Warden 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Water Wardens House,Dining Room,Fire Engine House built pre 1850 p42 c1925 RGPF Ledger WASC 1680 ; Water Wardens House,Dining Room,Fire Engine House c1945 RGPF Ledger WASC 1508 ; Water Wardens House,Dining Room,Fire Engine House	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS			
CONDITION Demolished			
DESCRIPTION No Surface Remains			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 389	RCHME NUMBER	N.G.R. TL 37562 00090
NAME/FUNCTION Wash House	START DATE 1865-86?	END DATE	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION 1865 WASC 900/38 + SUPP5 975		DOCUMENTARY REFERENCES 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Wash House built pre 1886 p42 c1925 RGPF Ledger WASC 1680 ; Wash House c1945 RGPF Ledger WASC 1508 ; Wash House	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS			
CONDITION Demolished			
DESCRIPTION No Surface Remains			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 392, 13	RCHME NUMBER	N.G.R. TL 37582 00070
NAME/FUNCTION Magazine	START DATE 1801-06	END DATE	
NO PHOTOGRAPHY AVAILABLE			
<p>CARTOGRAPHIC DEPICTION</p> <p>1806 WO78/1352 1827 WASC 900/04 + MPH 271 ; 13 Charge Magazine</p>		<p>DOCUMENTARY REFERENCES</p> <p>1830 WO55/2694;13 Charge Magazine 1841 WO55/2694;13 Charge Magazine 1851 WO55/3027;73 Magazine 1894 WASC 901/40A 30.Nov 1894 No1 Cam House Magazine 1894 WASC 901/40B 30 Nov 1894 Drum House Magazine WASC 901/40 not dated Incorporating Drum House No1 Cam House & Cam house magazine 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Magazine built pre 1860 p42 c1925 RGPF Ledger WASC 1680 ; Magazine c1945 RGPF Ledger WASC 1508 ; Magazine</p>	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS Associated with 393			
CONDITION			
DESCRIPTION No Surface Remains			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 393	RCHME NUMBER	N.G.R. TL 37590 00061
NAME/FUNCTION Magazine	START DATE 1889	END DATE	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION c1910 WASC 900/65		DOCUMENTARY REFERENCES 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Magazine built 1889 p42 c1925 RGPF Ledger WASC 1680 ; Magazine c1945 RGPF Ledger WASC 1508 ; Magazine WASC 901/38A No2 Cam House Mag	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS			
CONDITION Destroyed			
DESCRIPTION No Surface Remains			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 394	RCHME NUMBER	N.G.R. TL 37608 00002
NAME/FUNCTION Incorporating Mill & Cam House No.s 2 and 3 Cam House	START DATE 1801-06 1894	END DATE 1894?	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
1806 WO55/1352 1827 MPH/271;10 Gunpowder mill		1807 WO55/2351;8 Mill 1830 WO55/2694;10 Mill 1841 WO55/2856;10 Gunpowder mill not at present survivable 1851 WO55/3027;74 Incorporating mills 1894 WASC 901/41A 30.Sept 1894 No.2 & 3 Cam House includes "construction table" 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Incorporating Mill and Cam House built 1894 p42 1912 WASC 901/41 Sept 1912 No.10 Mill c1925 RGPF Ledger WASC 1680 ; Incorporating Mill and Cam House c1945 RGPF Ledger WASC 1508 ; Incorporating Mill and Cam House	
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME		
Supply 5/860 43, 85-8 No.2 Cam House Explosion 13-12-1893			
RELATIONSHIPS WITH OTHER MONUMENTS			
Overlies: earlier gunpowder mill ?			
CONDITION Demolished			
DESCRIPTION			
The construction of the Cam house probably involved the demolition of the earlier mills. There are no Surface Remains.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 395	RCHME NUMBER	N.G.R. TL 37623 99961
NAME/FUNCTION Incorporating Mill Breaking Down House No.2 Granulating House		START DATE 1801-06 By 1851	END DATE By 1851
NO PHOTOGRAPHY AVAILABLE			
<p>CARTOGRAPHIC DEPICTION</p> <p>1806 WO78/1352 1827 WASC 900/4 1865 WASC 900/38 + SUPP5 975 ; Breaking Down House and No.1 Cam House</p>		<p>DOCUMENTARY REFERENCES</p> <p>1807 WO55/2351;7 Mill 1830 WO55/2694;9 Mill 1841 WO55/2856;9 Gunpowder mill not at present servicable 1851 WO55/3027;75 Building containing breaking down house 1870 WASC 901/10 25.July 1870 Breaking down house plan section showing proposed covering to roof 1894 WASC 901/10A 30 Nov 1894 No2 Breaking Down House WASC 901/11 15 Oct ? Plans sections of wooden building to recieve the new Breaking down machine WASC 901/9 Not dated plan sections of proposed Building to recieve the New Breaking down machine Lower Island WASC 901/18 Sketch of foundation of granulator Lower Island</p> <p>1908 RGPF Ledger WASC 1509 + WASC 1764 ; Granulating House and Wheel House built pre 1870 p42 c1925 RGPF Ledger WASC 1680 ; Granulating House and Wheel House c1945 RGPF Ledger WASC 1508 ; Granulating House and Wheel House</p>	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS			
CONDITION Demolished			

DESCRIPTION

No Surface Remains

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 396	RCHME NUMBER	N.G.R. TL 37622 99952
NAME/FUNCTION Traverse Old Store		START DATE pre 1860	END DATE
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION 1865 WASC 900/38 + SUPP5 975 ; Traverse		DOCUMENTARY REFERENCES 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Traverse, Old Store built pre 1860 p43 c1925 RGPF Ledger WASC 1680 ; Traverse, Old Store c1945 RGPF Ledger WASC 1508 ; Traverse, Old Store	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS			
CONDITION Demolished			
DESCRIPTION No Surface Remains			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 397	RCHME NUMBER	N.G.R. TL 37623 99941
NAME/FUNCTION Washup & Pump House Picric Blending House	START DATE 1801-06 1889	END DATE 1889	
NO PHOTOGRAPHY AVAILABLE			
<p>CARTOGRAPHIC DEPICTION</p> <p>1806 PRO MR580 1830 PRO MP11.15 Drayson c1910 WASC 900/65</p>		<p>DOCUMENTARY REFERENCES</p> <p>1807 WO55/2351;6 Washup House 1830 WO55/2694;7 Washup and Pump House 1841 WO55/2856;7 Washup and Pump House 1851 WO55/3027;7 Washup and Pump House 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Picric Blending House built 1889 p43 c1925 RGPF Ledger WASC 1680 ; Picric Blending House c1945 RGPF Ledger WASC 1508 ; Picric Blending House 1840 WASC 901/13 7 Mar 1840 Ground plan of Corning & Granulating House for Sir William Congreves Machine 1840 WASC 901/14 5 Mar 1840 Section of Dusting House for Sir William Congreves granulating machine WASC 901/15 not dated Plan Elevation Sections of improved Gunpowder Mill No 10 (proposed) Annotated converted to Cam House 1888-9 1856 WASC 901/16 21 Oct 1856 No Title WASC 901/19 Not Dated Lower Island Dusting House arrangement for Glazing Cylinders Hor? and Slope Reels 1888 WASC 901/39 16 Aug 1888 Cam House corrected to Pellet Press House 1894 WASC 901/13A 30 Nov 1894 Pellet maxhine house includes construction table</p>	
<p>PHOTOGRAPHY HISTORIC</p>		<p>PHOTOGRAPHY RCHME</p> <p>2) BB92/26456 WASC 901/13 Plan and elevation 1840 BB92/26460 WASC 901/15 Plan and elevation BB92/26463 WASC 901/14 Plan and elevation 1840</p>	
<p>RELATIONSHIPS WITH OTHER MONUMENTS</p> <p>Associated with: 395, 396</p>			
<p>CONDITION Demolished</p>			

DESCRIPTION

No Surface Remains. The original pump house and washup room was probably demolished in 1881 and replaced by the Picric Blending House.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 398	RCHME NUMBER	N.G.R. TL 37625 99939
NAME/FUNCTION Washup & Pump House Gear Room		START DATE 1801-06 1889	END DATE 1889
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION 1806 WO78/1352 1827 WASC 900/4 1865 WASC 900/38 + SUPP5 975		DOCUMENTARY REFERENCES 1807 WO55/2351;6 Washup House 1830 WO55/2694;7 Washup House and Pump House 1841 WO55/2856;7 Washup House and Pump House 1851 WO55/3027;76 Washup House and Pump House 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Gear Room built 1871 p43 c1925 RGPF Ledger WASC 1680 ; Gear Room c1945 RGPF Ledger WASC 1508 ; Gear Room WASC 901/159 Not Dated Shoe Room No.3 Press House	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS			
CONDITION Demolished			
DESCRIPTION The original Washup and Pump house was probably demolished in 1889 when it made way for the Gear Room. There are no Surface Remains.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 399	RCHME NUMBER	N.G.R. TL 37628 99920
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NAME/FUNCTION Press House/Traverse No.3 Press House	START DATE 1801-06	END DATE
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NO PHOTOGRAPHY
AVAILABLE

CARTOGRAPHIC DEPICTION

1806 WO78/1352
1827 WASC 900/4
1865 WASC 900/38 + SUPP5 975 ; Press House

DOCUMENTARY REFERENCES

1807 WO55/2351;5 Press House
1830 WO55/2694;5 Press House containing two hydraulic presses
1830 Drayson.F. Plans & Elevations p14
1842 WASC 901/5 8 April 1842 Plan Elevation of additional walls proposed against the traverse at the Lower Island Corning House
1841 WO55/2856;5 Press House containing two hydraulic presses
1854-5 WASC 901/6 1854-5 South Traverse Lower Island
1851 WO55/3027;78 Press House containing two hydraulic presses
1868 WASC 901/25 3 June 1868 Lower Island Middle Traverse
1868 WASC 901/26 5 June 1868 Lower Island North Traverse
1870 WASC 901/27A 15 Oct 1870 Plans Sections of proposed new buildings (No.3 Press House L.I. Drum House L.I. Incorporating Drum House)
1894 WASC 901/27 30 Nov 1894 No.3 Press House
1908 RGPF Ledger WASC 1509 + WASC 1764 ; Press House/Traverse built 1871 p43
c1925 RGPF Ledger WASC 1680 ; Press House /Traverse
c1945 RGPF Ledger WASC 1508 ; Press House /Traverse
WASC 901/7 Not Dated Traverse Lower Island No1 includes "Costing Table"

PHOTOGRAPHY
HISTORIC

PHOTOGRAPHY
RCHME

RELATIONSHIPS WITH OTHER MONUMENTS: Associated with 399b

CONDITION Demolished

DESCRIPTION

No Surface Remains

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 399b	RCHME NUMBER	N.G.R. TL 37635 99892
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NAME/FUNCTION Corning House Granulating House Drum House	START DATE 1801-06 1816 1898?	END DATE 1816 1898?
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NO PHOTOGRAPHY
AVAILABLE

CARTOGRAPHIC DEPICTION

1806 WO78/1352
1827 MPH 271;3
1888 WASC 900/42 Glazing

DOCUMENTARY REFERENCES

1807 WO55/2351; 3 Corning House
1830 WO55/2694; 3 Water Corning House to work
Mr Congreves Machine
1830 Drayson.F. Plan & Elevations p14
1851 WO55/3027; 79 Granulating House
1888 Maj Gen W.H.Wardell Handbook of Gunpowder & Guncotton 1888 p52 point 7
1895 Guttman O. Manual of Explosives Vol.I pp.222-224 fig.14 section of Sulphur Dome. Publ. London

1857 Maj Frazer Baddeley R.A. Pamphlet on the Manufacture of Gunpowder Waltham Abbey p18

1871 Capt F.M.Smith R.A. Handbook of the manufacture & proof of gunpowder as carried on at The R.G.P.F Waltham Abbey p67-71

PHOTOGRAPHY
HISTORIC

PHOTOGRAPHY
RCHME

RELATIONSHIPS WITH OTHER MONUMENTS: Associated with 399

CONDITION Demolished

DESCRIPTION

No Surface Remains. The original Granulating House was demolished around the turn of the century and its site was later occupied by two small buildings [399 & 399b].

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER	OLD SERIES 401	RCHME NUMBER	N.G.R. TL 37668 99895
NAME/FUNCTION Landing Stage		START DATE 1900	END DATE
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION c1910 WASC 900/65		DOCUMENTARY REFERENCES 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Landing Stage built 1900 p43 c1925 RGPF Ledger WASC 1680 ; Landing Stage c1945 RGPF Ledger WASC 1508 ; Landing Stage	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS			
CONDITION Demolished			
DESCRIPTION No Surface Remains			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY


NUMBER	OLD SERIES 402	RCHME NUMBER	N.G.R. TL 37648 99870
NAME/FUNCTION Shoe Room		START DATE 1871	END DATE
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION 1865 WASC 900/38 + SUPP5 975		DOCUMENTARY REFERENCES 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Shoe Room built 1871 p44 c1925 RGPF Ledger WASC 1680 ; Shoe Room c1945 RGPF Ledger WASC 1508 ; Shoe Room	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS			
CONDITION Demolished			
DESCRIPTION No Surface Remains			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 403	RCHME NUMBER	N.G.R. TL 37644 99874
NAME/FUNCTION Magazine		START DATE 1850-86?	END DATE
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION 1865 WASC 900/38 + SUPP5 975		DOCUMENTARY REFERENCES 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Magazine built pre 1871 p44 c1925 RGPF Ledger WASC 1680 ; Magazine c1945 RGPF Ledger WASC 1508 ; Magazine	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS			
CONDITION Demolished			
DESCRIPTION No Surface Remains			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 404	RCHME NUMBER	N.G.R. TL 37644 99874
NAME/FUNCTION EC	START DATE 1865-86		END DATE
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION 1865 WASC 900/38 + SUPP5 975		DOCUMENTARY REFERENCES 1908 RGPF Ledger WASC 1509 + WASC 1764 ; EC built pre 1886 p44 c1925 RGPF Ledger WASC 1680 ; EC c1945 RGPF Ledger WASC 1508 ; EC	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS			
CONDITION Demolished			
DESCRIPTION No Surface Remains			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER	OLD SERIES	RCHME NUMBER 266	N.G.R. TL37670 99733
NAME/FUNCTION Footbridge		START DATE	END DATE
			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME 1) 206/Q/11 From south 206/Q/12 From west	
RELATIONSHIPS WITH OTHER MONUMENTS			
CONDITION Fair			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Angle irons 4) DIMENSIONS i) L ii) W 1.28 5) Iron Footbridge over canal channel, now to the south of the M25.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 268	N.G.R. TL 37730 00425
NAME/FUNCTION Footbridge		START DATE 1830-86	END DATE
			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME 1) 206/Q/16 From north	
RELATIONSHIPS WITH OTHER MONUMENTS			
CONDITION Very bad			
<p>DESCRIPTION</p> <p>1) CONSTRUCTIONAL MATERIAL Brick</p> <p>4) DIMENSIONS i) L ii) W</p> <p>5) The bridge has been demolished, brick piers with concrete steps remain to either side.</p>			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 305	N.G.R. TL 37631 00283
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NAME/FUNCTION Proof Butts	START DATE 1865-86	END DATE 1900?
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NO PHOTOGRAPHY
AVAILABLE

CARTOGRAPHIC DEPICTION 1865 WASC 900/38 + SUPP5 975 ; Proof Butts	DOCUMENTARY REFERENCES
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PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME
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RELATIONSHIPS WITH OTHER MONUMENTS

CONDITION

DESCRIPTION
No Surface Remains

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 12	RCHME NUMBER 308	N.G.R. TL 37527 00013
NAME/FUNCTION Gunpowder Mills		START DATE 1806-27	END DATE 184?
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION 1827 WASC 900/04 + MPH 271 ; 12 Powder Mills		DOCUMENTARY REFERENCES 1830 WO55/2694 12 Mill 1841 WO55/2856 Gunpowder mills not at present servicable	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS Associated with RCHME 309			
CONDITION Demolished			
DESCRIPTION No Surface Remains			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 11	RCHME NUMBER 309	N.G.R. TL 37636 99980
NAME/FUNCTION Gunpowder Mills		START DATE 1806-27	END DATE 184?
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION 1827 WASC 900/04 + MPH 271 ; 11 Powder Mills		DOCUMENTARY REFERENCES 1830 WO55/2694 11 Powder Mills 1841 WO55/2856 Gunpowder Mills not at present servicable	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS Associated with RCHME 308			
CONDITION Demolished			
DESCRIPTION No Surface Remains			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 14,15	RCHME NUMBER 347	N.G.R.
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NAME/FUNCTION Charge Magazine	START DATE by 1827	END DATE by 1914
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NO PHOTOGRAPHY
AVAILABLE

CARTOGRAPHIC DEPICTION 1827 WASC 900/04 & MPH 271; 14 & 15 1888 WASC 900/42	DOCUMENTARY REFERENCES 1830 WO55 2694 14,15 Charge Magazines
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PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME
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RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: RCHME 308, RCHME 309,392

CONDITION Demolished


DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL
- 2) ROOF MATERIALS AND STRUCTURE
- 3) POWER SOURCE
None
- 4) DIMENSIONS i) L ii) W iii) HT
- 5) Part of charge magazines demolished, may survive as buried feature on the East edge of the North West River Lea Channel.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER	OLD SERIES	RCHME NUMBER 350	N.G.R. TL 37646 99850
NAME/FUNCTION Lock		START DATE 1896?	END DATE
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION 1940 WASC 900/91a		DOCUMENTARY REFERENCES	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH:			
CONDITION Demolished/Buried			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL 3) POWER SOURCE Muscle? 4) DIMENSIONS i) L ii) W iii) HT 5) The lock was constructed at the southern end of the header leat for the Lower Island Works to facilitate movement between the southern half of the factory (Quinton Hill) and the north site. It also acted as a regulator in the water system replacing an earlier sluice house [80] immediately to its west which is believed to have been built between 1841 and 1851.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 351	N.G.R. TL 37629 00222
NAME/FUNCTION Magazine		START DATE 1859?	END DATE by 1898?
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION 1888 WASC 900/42		DOCUMENTARY REFERENCES	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: 387			
CONDITION Demolished			
<p>DESCRIPTION</p> <p>1) CONSTRUCTIONAL MATERIAL</p> <p>2) ROOF MATERIALS AND STRUCTURE</p> <p>3) POWER SOURCE None?</p> <p>4) DIMENSIONS i) L ii) W iii) HT</p> <p>5) The magazine was situated on the west side of the canal, the main feeder leat for the Lower Island Works. The magazine was probably built around 1859 to serve the new steam Incorporating Mills [387]. the magazine is not shown on any mapping after the turn of the century and was probably demolished when the Incorporating Mills were converted an Acetone Store around 1900.</p>			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER OP13	OLD SERIES	RCHME NUMBER	N.G.R. TL 37736 00423
NAME/FUNCTION Observation post		START DATE 1940?	END DATE
			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME 1) 206/Q/17 From north	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH:			
CONDITION Good			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Brick in English bond 2) ROOF MATERIALS AND STRUCTURE Flat concrete slab 3) POWER SOURCE None 4) DIMENSIONS i) L 1.92m ii) W 1.91m iii) HT 2.35m 5) The observation post has a single door on the eastern side protected by a concrete screen wall. The upper part of each wall is formed from cast concrete with an observation slit. A groove has been hacked in the centre of each of these blocks, to form a rifle rest? Internally is a telephone box.			



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