

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 |
| NAME/FUNCTION Store | | START DATE | END DATE |
| NO PHOTOGRAPHY AVAILABLE | | | |
| CARTOGRAPHIC DEPICTION | | DOCUMENTARY REFERENCES | |
| 1827 | WASC 900/04 + MPHH 271 ; 20 Range of Five Store Houses | 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 | |
| | | 1) 206/Q/13 From north west | |
| RELATIONSHIPS WITH OTHER MONUMENTS | | | |
| ASSOCIATED WITH: | | | |
| CONDITION Partly demolished | | | |
| DESCRIPTION | | | |
| 1) | CONSTRUCTIONAL MATERIAL Brick in English bond | | |
| 4) | DIMENSIONS i) L 12.15m ii) W | | |
| 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. | | |

| 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 + MPHH 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 | N.G.R. |
| | | 344-352 | TL 37718 00486 |
| NAME/FUNCTION | | START DATE | END DATE |
| Saltpetre Store House | | 1801-06 | 1830 |
| Store houses | | By 1830 | 1898? |
| Acetone Stores | | By 1898 | |
| NO PHOTOGRAPHY AVAILABLE | | | |
| CARTOGRAPHIC DEPICTION | | DOCUMENTARY REFERENCES | |
| 1806 | WO78/1352 ; 69 Grand Store House | 1807 WO55/2351;69 | |
| 1827 | WASC 900/4; 11 | 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

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|--------|-----------------------|--------------|--------------------------|
| 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

1827 WASC 900/04 + MPHH 271 ; 17 Subliming House

DOCUMENTARY REFERENCES

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. Pamphlet on the Manufacture of Gunpowder Waltham Abbey p8-11

1870 Capt F.M.Smith R.A. Handbook of the manufacture & proof of gunpowder as carried on at The R.G.P.F Waltham Abbey p22-25 Plate 2-6

1888 Maj Gen W.H.Wardell Handbook of Gunpowder & Guncotton 1888 p43-46 Fig 1-2 p43

1895 Guttman O. Manual of Explosives Vol.I 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

RELATIONSHIPS WITH OTHER MONUMENTS
ASSOCIATED WITH:

CONDITION Demolished

DESCRIPTION
1) CONSTRUCTIONAL MATERIAL
Brick

2) ROOF MATERIALS AND STRUCTURE

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3) POWER SOURCE

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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 + MPHH 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

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|--------|-------------------|--------------|--------------------------|
| NUMBER | OLD SERIES 379 | RCHME NUMBER | N.G.R. TL 37637 00217 |
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|--------------------------------|--------------------|----------|
| NAME/FUNCTION Shifting Room | START DATE 1886 | END DATE |
|--------------------------------|--------------------|----------|

NO PHOTOGRAPHY
AVAILABLE

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| 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 |
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| 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? |

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| 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 |
| PHOTOGRAPHY HISTORIC | PHOTOGRAPHY RCHME |
| 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 |
| NAME/FUNCTION Pulley Store | | START DATE 1886 | END DATE |
| 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 | |
| PHOTOGRAPHY HISTORIC | | PHOTOGRAPHY RCHME | |
| RELATIONSHIPS WITH OTHER MONUMENTS | | | |
| CONDITION Demolished | | | |
| DESCRIPTION No Surface Remains | | | |

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

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|---|--------------------|--|--------------------------|
| 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

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|--------|-------------------|--------------|--------------------------|
| 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 |
|--|----------------------------|--------------------------|

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

PHOTOGRAPHY
HISTORIC

PHOTOGRAPHY
RCHME

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 |
|--|-----------------------------|---------------------------|

NO PHOTOGRAPHY
AVAILABLE

| | |
|--|--|
| <p>CARTOGRAPHIC DEPICTION</p> <p>1865 WASC 900/38 + SUPP5 975 ; Incorporating Mills</p> | <p>DOCUMENTARY REFERENCES</p> <p>1856/7 WASC 901/3 1856/7 Plan sections of pump wheel house Lower Island</p> <p>1857 WASC 901/4 27-Jan 1857 sketch of roof for the New pump & wheel house</p> <p>1857 WASC 901/1 3.Jul 1857 Plan Sections Elevations of New Mills Group B with wheel house</p> <p>1857 WASC 901/2 3.Jul 1857 Plan section elevations of New Mills with wheel house & C at Lower Island</p> <p>1894 WASC 901/1A 1894 includes construction table</p> <p> WASC 901/8 Not dated New cut from River Lea & Lower Island</p> <p>1908 RGPF Ledger WASC 1509 + WASC 1764 ; Acetone Store built 1859 p41</p> <p>c1925 RGPF Ledger WASC 1680 ; Acetone Store</p> <p>c1945 RGPF Ledger WASC 1508 ; Acetone Store</p> |
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| <p>PHOTOGRAPHY HISTORICAL</p> <p>Supply 5/860 82-4 Explosion Group B Mills 11b 17/10/1895</p> <p>Supply 5/860 107-8 Explosion Group B Mills 11b 16/7/1897</p> <p>Supply 5/860 119-20 Explosion Group B Mills 11b 16-6-1898</p> <p>Supply 5/860 122-5 Explosion Group B Mills 11b 21-4-1899</p> | <p>PHOTOGRAPHY RCHME</p> <p>RCHME Neg. No. BB92/16722 ; 11b Mill Exploded 16/6/1898</p> <p>Copy of Photo in Supply 5/860</p> <p>RCHME Neg. No. BB92/16747 ; 11b Mill Exploded 16/6/1898</p> <p>Copy of Photo in Supply 5/860</p> <p>RCHME Neg. No. BB92/16733 ; 11b Mill Exploded 21/4/1899</p> <p>Copy of Photo in Supply 5/860</p> <p>RCHME Neg. No. BB92/16719 ; 11b Mill Exploded 21/4/1899</p> <p>Copy of Photo in Supply 5/860</p> |
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RELATIONSHIPS WITH OTHER MONUMENTS

Associated with: RCHME 351

CONDITION Demolished

DESCRIPTION

No Surface Remains

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

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|--|-------------------|--|--------------------------|
| 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

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|--|-----------------------|--|--------------------------|
| 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 | | | |
| CARTOGRAPHIC DEPICTION | | DOCUMENTARY REFERENCES | |
| 1806 WO78/1352 1827 WASC 900/04 + MPHH 271 ; 13 Charge Magazine | | 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 | |
| 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

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|---|-------------------|---|--------------------------|
| 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 1806 WO55/1352 1827 MPH/271;10 Gunpowder mill | | DOCUMENTARY REFERENCES 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 Supply 5/860 43, 85-8 No.2 Cam House Explosion 13-12-1893 | | PHOTOGRAPHY RCHME | |
| 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

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|--|-------------------|---|--------------------------|
| 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 | | | |
| CARTOGRAPHIC DEPICTION 1806 WO78/1352 1827 WASC 900/4 1865 WASC 900/38 + SUPP5 975 ; Breaking Down House and No.1 Cam House | | DOCUMENTARY REFERENCES 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 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 | |
| PHOTOGRAPHY HISTORIC | | PHOTOGRAPHY RCHME | |
| RELATIONSHIPS WITH OTHER MONUMENTS | | | |
| CONDITION Demolished | | | |
| DESCRIPTION No Surface Remains | | | |

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

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|--|-------------------|---|--------------------------|
| 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

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|---|-------------------|---|--------------------------|
| 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 | | | |
| CARTOGRAPHIC DEPICTION 1806 PRO MR580 1830 PRO MP11.15 Drayson c1910 WASC 900/65 | | DOCUMENTARY REFERENCES 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 | |
| PHOTOGRAPHY HISTORIC | | PHOTOGRAPHY RCHME 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 | |
| RELATIONSHIPS WITH OTHER MONUMENTS Associated with: 395, 396 | | | |
| CONDITION Demolished | | | |
| 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 |
| NAME/FUNCTION Press House/Traverse No.3 Press House | | START DATE 1801-06 | END DATE |
| NO PHOTOGRAPHY AVAILABLE | | | |
| CARTOGRAPHIC DEPICTION | | DOCUMENTARY REFERENCES | |
| 1806 WO78/1352 1827 WASC 900/4 1865 WASC 900/38 + SUPP5 975 ; Press House | | 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 | RCHME NUMBER | N.G.R. |
| | 399b | | TL 37635 99892 |
| NAME/FUNCTION | START DATE | END DATE | |
| Corning House | 1801-06 | 1816 | |
| Granulating House | 1816 | 1898? | |
| Drum House | 1898? | | |
| NO PHOTOGRAPHY AVAILABLE | | | |
| CARTOGRAPHIC DEPICTION | | DOCUMENTARY REFERENCES | |
| 1806 | WO78/1352 | 1807 | WO55/2351; 3 Corning House |
| 1827 | MPH 271;3 | 1830 | WO55/2694; 3 Water Corning House to work Mr Congreves Machine |
| 1888 | WASC 900/42 Glazing | 1830 | Drayson. F. Plan & Elevations p14 |
| | | 1851 | WO55/3027; 79 Granulating House |
| | | 1888 | Maj Gen W.H.Wardell <u>Handbook of Gunpowder & Guncotton</u> 1888 p52 point 7 |
| | | 1895 | Guttman O. <u>Manual of Explosives Vol.I</u> pp.222-224 fig.14 section of Sulphur Dome. Publ. London |
| | | 1857 | Maj Frazer Baddeley R.A. <u>Pamphlet on the Manufacture of Gunpowder Waltham Abbey</u> p18 |
| | | 1871 | 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> 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 | | DOCUMENTARY REFERENCES | |
| 1865 | WASC 900/38 + SUPP5 975 | 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 |
| NO PHOTOGRAPHY AVAILABLE | | | |
| 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 | N.G.R. |
| | 268 | | TL 37730 00425 |
| NAME/FUNCTION | | START DATE | END DATE |
| Footbridge | | 1830-86 | |
| NO PHOTOGRAPHY AVAILABLE | | | |
| CARTOGRAPHIC DEPICTION | | DOCUMENTARY REFERENCES | |
| | | | |
| PHOTOGRAPHY HISTORIC | | PHOTOGRAPHY RCHME | |
| | | 1) 206/Q/16 From north | |
| RELATIONSHIPS WITH OTHER MONUMENTS | | | |
| | | | |
| CONDITION | Very bad | | |
| DESCRIPTION | | | |
| 1) | CONSTRUCTIONAL MATERIAL Brick | | |
| 4) | DIMENSIONS i) L ii) W | | |
| 5) | The bridge has been demolished, brick piers with concrete steps remain to either side. | | |

| THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY | | | |
|---|------------|------------------------|----------------|
| NUMBER | OLD SERIES | RCHME NUMBER | N.G.R. |
| | | 305 | TL 37631 00283 |
| NAME/FUNCTION | | START DATE | END DATE |
| Proof Butts | | 1865-86 | 1900? |
| NO PHOTOGRAPHY AVAILABLE | | | |
| CARTOGRAPHIC DEPICTION | | DOCUMENTARY REFERENCES | |
| 1865 WASC 900/38 + SUPP5 975 ; Proof Butts | | | |
| PHOTOGRAPHY HISTORIC | | PHOTOGRAPHY RCHME | |
| RELATIONSHIPS WITH OTHER MONUMENTS | | | |
| CONDITION | | | |
| DESCRIPTION | | | |
| No Surface Remains | | | |

| THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY | | | |
|--|--|------------------------|--|
| NUMBER | OLD SERIES | RCHME NUMBER | N.G.R. |
| | 12 | 308 | TL 37527 00013 |
| NAME/FUNCTION | | START DATE | END DATE |
| Gunpowder Mills | | 1806-27 | 184? |
| NO PHOTOGRAPHY AVAILABLE | | | |
| CARTOGRAPHIC DEPICTION | | DOCUMENTARY REFERENCES | |
| 1827 | WASC 900/04 + MPHH 271 ; 12 Powder Mills | 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 | RCHME NUMBER | N.G.R. |
| | 11 | 309 | TL 37636 99980 |
| NAME/FUNCTION | | START DATE | END DATE |
| Gunpowder Mills | | 1806-27 | 184? |
| NO PHOTOGRAPHY AVAILABLE | | | |
| CARTOGRAPHIC DEPICTION | | DOCUMENTARY REFERENCES | |
| 1827 | WASC 900/04 + MPHH 271 ; 11 Powder Mills | 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 | RCHME NUMBER | N.G.R. |
| | 14,15 | 347 | |
| NAME/FUNCTION | | START DATE | END DATE |
| Charge Magazine | | by 1827 | by 1914 |
| NO PHOTOGRAPHY AVAILABLE | | | |
| CARTOGRAPHIC DEPICTION | | DOCUMENTARY REFERENCES | |
| 1827 | WASC 900/04 & MPH 271; 14 & 15 | 1830 | WO55 2694 14,15 Charge Magazines |
| 1888 | WASC 900/42 | | |
| PHOTOGRAPHY HISTORIC | | PHOTOGRAPHY RCHME | |
| 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 | | | |
| DESCRIPTION 1) CONSTRUCTIONAL MATERIAL 2) ROOF MATERIALS AND STRUCTURE 3) POWER SOURCE None? 4) DIMENSIONS i) L ii) W iii) HT 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. | | | |

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 |
|-----------------------------------|---------------------|----------|

NO PHOTOGRAPHY
AVAILABLE

| | |
|------------------------|------------------------|
| 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.

