

THE ROYAL GUNPOWDER FACTORY

WALTHAM ABBEY

S27-S90



THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER S27	OLD SERIES	RCHME NUMBER	N.G.R. TL 37675 02076
NAME/FUNCTION Weighing House Magazine Weighing House with loading stage		START DATE 192? 1943	END DATE 1945?
<p>CARTOGRAPHIC DEPICTION</p> <p>> 1940 WASC 900/91A ; S27 1954 A - B.34 ; S27 c1960 WASC 900/94 ; S27 c1963 WASC 900/97 ; S27 1972 WASC 900/102 ; S27 1972 WASC 900/104 ; S27 1976 WASC 900/113 ; S27</p>		<p>DOCUMENTARY REFERENCES</p> <p>Plans; S27 B01 - B04 ; Plans and Elevations 1940</p> <p>1972 ERDE List ; Magazine 1943 1991 Mott McDonald survey 1992 RARDE List ; Weighing House with Loading Stage</p>	
<p>PHOTOGRAPHY HISTORIC</p>		<p>PHOTOGRAPHY RCHME</p> <p>1) 206/M/25 From west 206/M/26 From north west</p>	
<p>RELATIONSHIPS WITH OTHER MONUMENTS</p> <p>ASSOCIATED WITH: RCHME 205, RCHME 201, X19 OVERLIES: 53</p>			
<p>CONDITION Fair</p>			

DESCRIPTION

1) CONSTRUCTIONAL MATERIAL
Breeze block and earthwork

3) POWER SOURCE
Steam heating and electricity

4) DIMENSIONS i) L 22.5m ii) W 19.65m iii) HT 3.95m

5) The weighing house has been demolished however its protective traverse remains. The weighing house replaced an earlier structure that was badly damaged in 1940 in the accidental explosions in Mixing House [46 and 63]. A low brick wall incorporated into the southern edge of of S27 appears to be the only surface remain of the earlier structure.

Abbuted against this earlier wall is a low earthen blast bank. The west wall of the traverse is built from breeze block the northern end with an earthen traverse against the exterior. The north wall is breeze block with an entrance from canal RCHME 292. This entrance was screened by a breeze block blast wall RCHME 205 on the opposite canal bank. The building was also served from a railway running along its west side and then into a porch? on the south west corner of the building. This railway has later been covered by tarmac. The interior of the traverse has been dumped over, odd sections of timber wall sills are visible.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 53A	RCHME NUMBER	N.G.R. TL 37672 02088
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NAME/FUNCTION Weighing House No.2	START DATE 192?	END DATE 1940?
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<p>CARTOGRAPHIC DEPICTION</p> <p>1923 WASC 900/84 > 1940 WASC 900/91A 1954 A - B.34 c1960 WASC 900/94 c1963 WASC 900/97 1972 WASC 900/102 1972 WASC 900/104 1976 WASC 900/113</p>	<p>DOCUMENTARY REFERENCES</p> <p>1) Proc Court Inquirey explosion at RGPF 20-Apr-1940 Appendix IV</p> <p>c1925 RGPF Ledger WASC 1680 ; Nitroglycerine Weighing House c1945 RGPF Ledger WASC 1508 ; Nitroglycerine Weighing House</p>
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<p>PHOTOGRAPHY HISTORIC</p> <p>1) WASC 499 Photograph no.8, Explosion damage 18-Jan-1940</p>	<p>PHOTOGRAPHY RCHME</p> <p>1) 206/M/24 From west</p>
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<p>RELATIONSHIPS WITH OTHER MONUMENTS</p> <p>Underlies S27</p>

<p>CONDITION</p>	<p>Demolished, replaced by S27</p>
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<p>DESCRIPTION</p> <p>1) CONSTRUCTIONAL MATERIAL Brick</p> <p>2) ROOF MATERIALS AND STRUCTURE -</p> <p>3) POWER SOURCE -</p> <p>4) DIMENSIONS i) L 10.53m</p> <p>5) A single length of brick wall standing to 0.94m on the south side of S27 is the only surface remain of this building. The building was damaged by two accidental explosions in 1940 on 18 january and 20 april. In the second explosion it was severely damaged necessitating rebuilding. It is probably at this date that 53a was replaced by S27.</p>
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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER S28	OLD SERIES	RCHME NUMBER	N.G.R. TL 37638 02004
NAME/FUNCTION Guncotton Stove No.14		START DATE 1940	END DATE
			
<p>CARTOGRAPHIC DEPICTION</p> <p>> 1940 WASC 900/91A ; S28 1954 A - B.34 ; S28 c1960 WASC 900/94 ; S28 c1963 WASC 900/97 ; S28 1972 WASC 900/102 ; S28 1972 WASC 900/104 ; S28 1976 WASC 900/113 ; S28</p>		<p>DOCUMENTARY REFERENCES</p> <p>1944 Record Drawing 0 14 B01 Plans and elevations No.14 Guncotton Stove 1972 ERDE List ; Mixing House No.5 (burnt out) 1943 1991 Mott McDonald survey 1992 RARDE List ; Mixing House No.5 (burnt out)</p>	
<p>PHOTOGRAPHY HISTORIC</p>		<p>PHOTOGRAPHY RCHME</p> <p>1) 206/U/15 Entrance from south east 206/U/16 Entrance looking out 206/U/17 Entrance from east</p>	
<p>RELATIONSHIPS WITH OTHER MONUMENTS</p> <p>ASSOCIATED WITH: RCHME 206, RCME 207, RCHME 208, RCHME 289 OVERLIES 75</p>			
CONDITION		Fair	

DESCRIPTION

1) CONSTRUCTIONAL MATERIAL
Breeze block and earthwork

2) ROOF MATERIALS AND STRUCTURE
-

3) POWER SOURCE
Steam heating, electricity

4) DIMENSIONS iv)DIA 10.6m

5) The Mixing house is circular in shape. The Mixing house was enclosed by a circular breeze block revetment wall 10.6m in diameter surrounded by an earthen traverse. On the north side the traverse partly overlies the mass concrete traverse of 75. Inside the revetment wall is a circular platform separated from the wall by a gully 0.6m in width and 0.25m deep. On this internal circular platform formerly stood a timber drying stove served by a fan house RCHME 208 to the north. The Mixing house was timber framed, bolted to the concrete base, with sheet asbestos sides. Fragments of reinforced window glass were found within the building. The stove was served by the canal RCHME 289 from the east along a covered entrance tunnel. The Mixing house is presently entered over a timber bridge. The bridge blocks the canal it crosses and is there thought to be post war in origin.

The functional descriptions given by the EDRE and RARDE Lists are considered to be unreliable and the original drawing description is preferred. Additionally the physical remains of the building are inconsistent with that of a Mixing House.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER S29	OLD SERIES	RCHME NUMBER	N.G.R. TL 37666 01944
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NAME/FUNCTION Detonator store	START DATE 1940?	END DATE
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<p>CARTOGRAPHIC DEPICTION</p> <p>> 1940 WASC 900/91A 1954 A - B.34 c1960 WASC 900/94 ; S29 c1963 WASC 900/97 ; S29 1972 WASC 900/102 ; S29 1972 WASC 900/104 ; S29 1976 WASC 900/113 ; S29</p>	<p>DOCUMENTARY REFERENCES</p> <p>1972 ERDE List ; Detonator Store 1991 Mott McDonald survey 1992 RARDE List ; Ancillary building to adjacent to S30</p>
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<p>PHOTOGRAPHY HISTORIC</p>	<p>PHOTOGRAPHY RCHME</p> <p>1) 206/H/28 From south west</p>
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RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: S29a, S90 RCHME 115 OVERLIES: 87

CONDITION Good

DESCRIPTION

- 1) **CONSTRUCTIONAL MATERIAL**
Breeze block
- 2) **ROOF MATERIALS AND STRUCTURE**
Flat concrete slab
- 3) **POWER SOURCE**
None
- 4) **DIMENSIONS** i) L 3.4m ii) W 2.4m iii) HT 2.3m
- 5) The store is single storeyed with a rectangular ground plan. It was entered through a single red painted door on the northwest elevation. A telegraph pole attached to the southern side of the building has insulators dated 1940.

This building may partly overlie [87], Sweepers Hut and Earh Closet built in 187, formerly associated with S90.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER S29a	OLD SERIES	RCHME NUMBER	N.G.R. TL 37668 01949
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NAME/FUNCTION Shelter	START DATE 1940?	END DATE
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NO PHOTOGRAPHY
AVAILABLE

CARTOGRAPHIC DEPICTION > 1940 WASC 900/91A 1954 A - B.34 c1960 WASC 900/94 ; S29a c1963 WASC 900/97 ; S29a 1972 WASC 900/102 ; S29a 1972 WASC 900/104 ; S29a 1976 WASC 900/113 ; S29a	DOCUMENTARY REFERENCES
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PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/H/28
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RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: S29, RCHME 115

CONDITION Good

DESCRIPTION

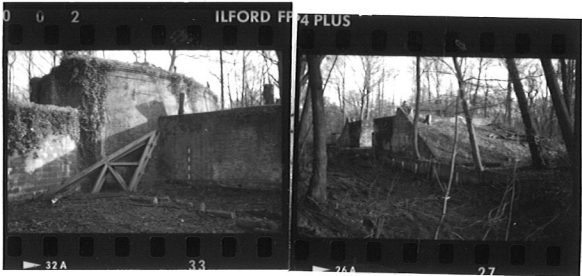
- 1) CONSTRUCTIONAL MATERIAL
 Breeze block

- 2) ROOF MATERIALS AND STRUCTURE
 Flat concrete slab

- 3) POWER SOURCE
 None

- 4) DIMENSIONS i) L 3.65m ii) W 2.65m iii) HT 2.1m

- 5) The shelter is a single storey with a rectangular ground plan. It is opened ended at either end, northeast and southwest.

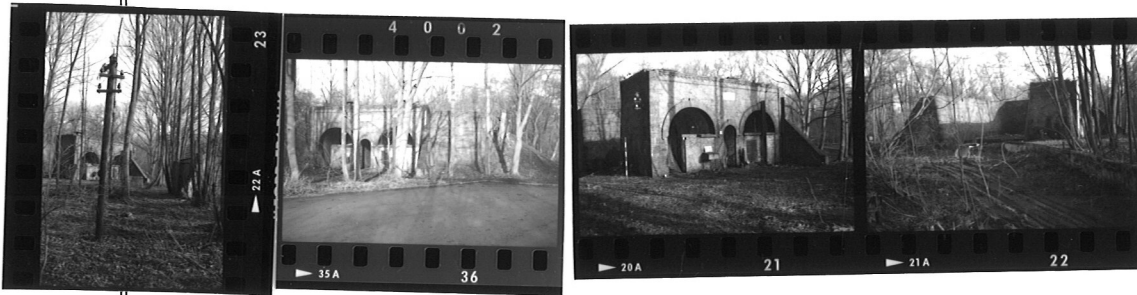
THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER S30	OLD SERIES	RCHME NUMBER	N.G.R. TL 37659 01925
NAME/FUNCTION Fuse Powder Magazine and Tetryl store		START DATE 1940?	END DATE
			
<p>CARTOGRAPHIC DEPICTION</p> <p>> 1940 WASC 900/91A ; S30 1954 A - B.34 ; S30 c1960 WASC 900/94 ; S30 c1963 WASC 900/97 ; S30 1972 WASC 900/102 ; S30 1972 WASC 900/104 ; S30 1976 WASC 900/113 ; S30</p>		<p>DOCUMENTARY REFERENCES</p> <p>1972 ERDE List ; Magazine 1991 Mott McDonald survey 1992 RARDE List ; Fuse powder Magazine and tetryl store</p>	
<p>PHOTOGRAPHY HISTORIC</p>		<p>PHOTOGRAPHY RCHME</p> <p>1) 206/H/27 From south west 206/H/33 Roof Truss</p> <p>2) BB92/26112 From south west BB92/26113 From south west</p>	
<p>RELATIONSHIPS WITH OTHER MONUMENTS</p> <p>ASSOCIATED WITH: RCHME 115. RCHME 289 ABUTTS S90 OVERLIES 91</p>			
CONDITION		Fair	

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL
Breeze block, earthwork, timber frame
- 2) ROOF MATERIALS AND STRUCTURE
King post trusses with braces
- 3) POWER SOURCE
Steam heating
- 4) DIMENSIONS i) L 28m ii) W 12m iii) HT 3m
- 5) The magazine has been demolished a concrete floor slab 11m x 7.7m remains. Propped against the revetment wall are two king post with braces trusses that were retrieved from this building. The magazine sat within a rectangular traverse of breeze block walls with an earthen traverse on a sides except the north. The traverse overlies an earlier building 91, the canal that formerly surrounded this building was also probably filled at this time. The northern wall is of breeze block with an entrance gap, a towpath runs along its northern edge. The initiative for this building probaly came after its predecessor was damaged in the accidental explosion of 63 in 1940. The magazine was served by canal RCHME 289.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER S31	OLD SERIES 93	RCHME NUMBER	N.G.R. TL 37600 01844
NAME/FUNCTION Press House No.4 No.1 Moulding House Cylinder Cutting House Cordite Blending House CE Packing House CE Store No.1	START DATE 1879 by1886 1898? by1908 1917? by 1940	END DATE by1886 1898? by 1908 1917? by 1940 1945	



<p>CARTOGRAPHIC DEPICTION</p> <p>1886 WASC 900/38 + SUPP5 975 ; No 1 Moulding House</p> <p>1886 WASC 900/41A</p> <p>1886 WASC 900/42</p> <p>1886 WASC 900/41A No1 Moulding House</p> <p>1897 WASC 900/53C</p> <p>c1900 WASC 900/79 Cylinder Cutting House</p> <p>c1910 WASC 900/65</p> <p>c1910 WASC 900/79</p> <p>1917 WASC 900/70</p> <p>1917 WASC 900/72</p> <p>1919 WASC 900/74</p> <p>c1920 WASC 900/80</p> <p>1923 WASC 900/84 ; CE Packing House</p> <p>> 1940 WASC 900/91A</p> <p>1940 Proc Court Inquiry 20-Apr-1940 appendix I CE Store No.1</p> <p>1954 A - B.34 ; S31</p> <p>c1960 WASC 900/94 ; S31</p> <p>c1963 WASC 900/97 ; S31</p> <p>1972 WASC 900/102 ; S31</p> <p>1972 WASC 900/104 ; S31</p> <p>1976 WASC 900/113 ; S31</p>	<p>DOCUMENTARY REFERENCES</p> <p>Plan and elevation</p> <p>No.1 Moulding House - shows timber framed building in centre of traverse, small rooms on south elevation west side Shoe Room east room Store, both lit by circular slights</p> <p>RCHME Neg. BB92/26362</p> <p>1908 RGPF Ledger WASC 1509 + WASC 1764 ; Blending House and Shoe Room built 1879 p9</p> <p>c1925 RGPF Ledger WASC 1680</p> <p>c1945 RGPF Ledger WASC 1508 ; Blending House and Shoe Room</p> <p>1972 ERDE List ; Asbestos Hut</p> <p>1991 Mott McDonald survey</p> <p>1992 RARDE List ; Demolished gunpowder store/retaining walls only</p>
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PHOTOGRAPHY
HISTORIC

PRO Supply 5/861 349 (1918?)

PHOTOGRAPHY
RCHME

- 1) 206/H/21 From South
206/H/22 From West
206/H/36 From South
201/O/23 Pole dated 1892 Powerline leading to S31
- 2) BB92/26106 View from South East
BB92/26107 View from East
BB92/26108 View from East
BB92/26345 New Press House 9.4.?
BB92/26362 Plan and Elevation date ?

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: L149?, L136?, RCHME 289, Tetryl Factory post 1917

CONDITION Fair

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL
Brick, concrete, earthwork
- 2) ROOF MATERIALS AND STRUCTURE
Part brick vaulted
- 3) POWER SOURCE
Hydraulic from L149?
- 4) DIMENSIONS i) L 23.4m ii) W 9.65m iii) HT 5.35m
- 5) The Press House has been demolished however a substantial contemporary traverse remains. The south elevation is in buff coloured brick with red brick details. This elevation has two bays separated by a brick entrance tunnel, these openings have semi-circular heads with red brick detail. Over the entrance tunnel is stone plaque inscribed 'No.4 press House 1879'. Running along the top of this elevation is a brick dentil course. Each of the bays was formerly open but they have been blocked by brick walls the curve of the arch covered by a glazed? timber frame. Doors have been knocked into these two rooms from the entrance tunnel, roof vents also have been added. Attached to the this elevation is a metal contraband box and below this a boot scraper. In from of the building are two vertical rivetted iron beams. It has been suggested that these beams may represent the remains of a small weight loaded accumulator (pers. comm. Tim Smith). Attached to the Southwest corner of the building is a klaxon and four late nineteenth century type pottery overhead line insulators.

The Presshouse was entered through the tunnel described. It sat at the centre of a massive traverse, the traverse consists of a brick facing laid in English bond with a concrete backing enclosed on the north and east sides by an earthen traverse. The loss of earth on the southern part of the earthen traverse had been removed by about 1917 (Supply 5/861 349). The Presshouse was served from the west by canal RCHME 289. Within the traverse are the partly buried brick footings of a building. On the internal southern wall of the traverse leading to the eastern bay is a small segmental headed arch, height 0.355m width 0.32m this may represent position of hydraulic pipe used to power the press.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER S32	OLD SERIES	RCHME NUMBER	N.G.R. TL 37665 01850
NAME/FUNCTION Tetryl Corning House		START DATE 1918	END DATE
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION 1919 WASC 900/74 c1920 WASC 900/80 1923 WASC 900/84 ; 92 CE Corning House > 1940 WASC 900/91A 1954 A - B.34 ; S32 c1960 WASC 900/94 ; S32 c1963 WASC 900/97 ; S32 1972 WASC 900/102 ; S32 1972 WASC 900/104 ; S32 1976 WASC 900/113 ; S32		DOCUMENTARY REFERENCES Plans; S32 B01 - B05 ; Plans and Elevations 1918 to 1973 c1925 RGPF Ledger WASC 1680 ; CE Corning House c1945 RGPF Ledger WASC 1508 ; CE Corning House 1972 ERDE List ; Store and Magazine 1991 Mott McDonald survey 1992 RARDE List ; Tetryl Corning House/base only	
PHOTOGRAPHY HISTORIC PRO Supply 5/861 352 CE Corning house 25-apr-1919 PRO Supply 5/861 352 Interior 25-apr-1919		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: S33, S39, S40			
CONDITION Demolished			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Brick 2) ROOF MATERIALS AND STRUCTURE - 3) POWER SOURCE Electricity? 4) DIMENSIONS i) L 25.9m ii) W 9.8m 5) The building has been demolished, an E shaped concrete floor slab remains. An interior photograph Supply 5/861 353 shows corning machines by Werner Pfleiderer Perkins in use, one of the machines is numbered No.4169. The machines were powered by overhead belt drives.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER S33	OLD SERIES 93e	RCHME NUMBER	N.G.R. TL 37718 01778
NAME/FUNCTION Tetryl Incorporating House Curing Oven and Magazine		START DATE 1916	END DATE 1945?

NO PHOTOGRAPHY
AVAILABLE

<p>CARTOGRAPHIC DEPICTION</p> <p>1917 WASC 900/70 1917 WASC 900/72 1919 WASC 900/74 c1920 WASC 900/80 1923 WASC 900/84 ; 93e C E Incorporating House > 1940 WASC 900/91A 1954 A - B.34 ; S33 c1960 WASC 900/94 ; S33 c1963 WASC 900/97 ; S33 1972 WASC 900/102 ; S33 1972 WASC 900/104 ; S33 1976 WASC 900/113 ; S33</p>	<p>DOCUMENTARY REFERENCES</p> <p>1972 ERDE List ; Curing Oven and Magazine 1991 Mott McDonald survey ; Tetryl Incorporating House Curing Oven and Magazine 1992 RARDE List ; Tetryl Stove</p>
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PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME
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RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: S32

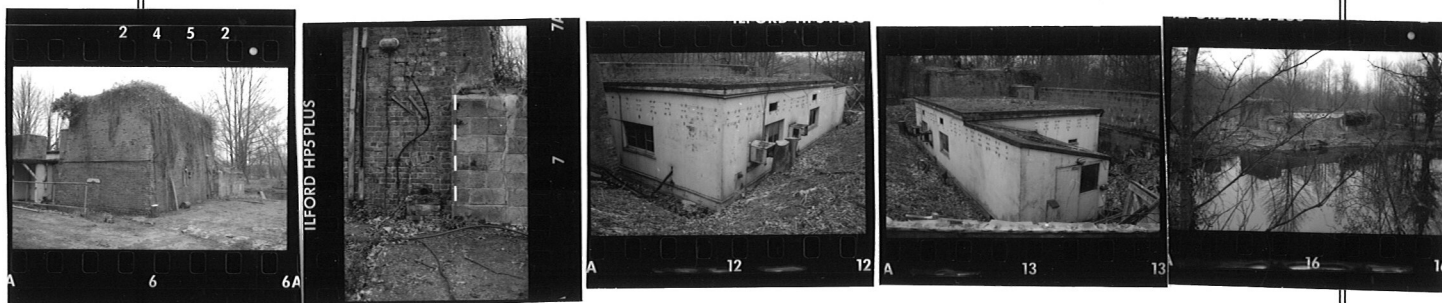
CONDITION Demolished

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL
Brick walls
- 3) POWER SOURCE
Electricity
- 4) DIMENSIONS i) L 13.6m ii) W 16.6m
- 5) The building has been demolished a concrete floor slab remains.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER S34	OLD SERIES 34	RCHME NUMBER	N.G.R. TL 37623 02247
NAME/FUNCTION Gunpowder Granulating House/Traverse Cordite Mixing House No.1 Cordite Mixing House No.3 Guncotton Weighing House No.1 Guncotton Weighing House rebuilt Control Room	START DATE 1857 1898 by 1908 by 1940 1940 1968	END DATE 1898? by 1908 by 1940 1940 1945?	



<p>CARTOGRAPHIC DEPICTION</p> <p>1865 WASC 900/41A 1865 WASC 900/42 1871 SUPP5/682 Granulating House 1897 WASC 900/53C 1897 OS 2nd Ed Essex XLIX. 10 c1900 WASC 900/79 Mixing House No.3 c1910 WASC 900/65 1917 WASC 900/70 1917 WASC 900/72 1919 WASC 900/74 c1920 WASC 900/80 1923 WASC 900/84 ; Mixing House No.1 > 1940 WASC 900/91A 1940 Proc Court Inquiry 20-Apr-1940 appendix I; 34 Weighing House No.1 1954 A - B.34 ; S34 c1960 WASC 900/94 ; S34 c1963 WASC 900/97 ; S34 1972 WASC 900/102 ; S34 1972 WASC 900/104 ; S34 1976 WASC 900/113 ; S34</p>	<p>DOCUMENTARY REFERENCES</p> <p>Plans; S34 B01 - B04 ; Plans and Elevations 1940</p> <p>1908 RGPF Ledger WASC 1509 + WASC 1764 ; Mixing House No.1 and Shoe Porch built 1857-8 p3 c1925 RGPF Ledger WASC 1680 ; Mixing House No.1 and Shoe Porch c1945 RGPF Ledger WASC 1508 ; Mixing House No.1 and Shoe Porch</p> <p>1972 ERDE List ; Control House for Under Water Firing Point 1991 Mott McDonald survey 1992 RARDE List ; Mixing House and Control Room 1992 FBRC Control Room</p>
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<p>PHOTOGRAPHY HISTORIC</p> <p>1) PRO Supply 5/860 93 1897 Exterior PRO Supply 5/860 102-3 Newtons Poll and Nitroglycerine Mixing House</p>	<p>PHOTOGRAPHY RCHME</p> <p>1) 206/O/6 Traverse from west 206/O/7 Detail of ?steam pipe 206/O/12 From south 206/O/13 From north east 206/O/16 From south 206/O/28 From south west</p> <p>2) BB92/26213 View from north east</p>
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RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: S35, S36, S37, S50, RCHME 276 OVERLIES 31

CONDITION Fair

DESCRIPTION

1) CONSTRUCTIONAL MATERIAL
Brick, Breeze block, timber frame

2) ROOF MATERIALS AND STRUCTURE
Roof felt

3) POWER SOURCE
Water?, later electricity and steam heating

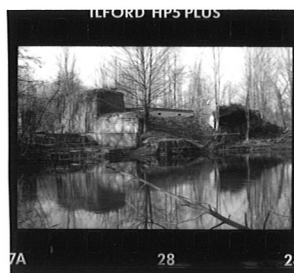
4) DIMENSIONS See below

5) The earliest part of the structure is the brick traverse to the south of the present building. The traverse is brick laid in English bond with battered walls. It measures 8.9m in length, 5.15m in width and around 5.5m in height. At the southern base of the traverse on the west and east elevations is a small arched brick openings. The opening measures width 0.44m, height 0.49m. The opening is brick filled with a cast iron pipe bore 115mm passing through from side to side.


Late nineteenth century mapping shows a leat carried off Cornmill Stream 22m north of the sluice gates into Newton's Pool RCHME 276. A building, probably lying beneath S34, is shown sitting over this leat adjacent to a longer rectangular building northeast of the traverse. The juxta position of these strongly suggests that a water wheel was housed in the smaller building to power the granulating machines within the larger building. This argument may be reinforced by the absence of the smaller building over the leat by 1923 (WASC 900/84), by which time the buildings either side of the traverse had changed function. To the south of the traverse was building 35, later in its life a bag store, the foundations of this building may lie beneath the concrete slab to the south of the traverse.

The present building overlies an earlier structure probably demolished in 1940. This building lies within a traverse of breeze block and earth. The northern section of the traverse is a breeze block wall while the east and south side consists of a breeze block revetment with an external earthen traverse. The west side is formed by the nineteenth century traverse described above. The southern section of the traverse overlies and fills a leat. The present building is single storeyed with a rectangular ground plan and flat roof. It is wooden framed with asbestos walls. It was entered through double doors and a porch area on the north side and along a tunnel through the traverse on the east side. The tunnel retains traces of the light railway system. The building consists of two cells a large rectangular room with a small rectangular loading room with a single pitch gable roof to the east. The building was originally vented by removable boards set at the top and base to each wall.

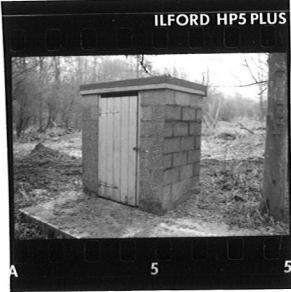
Conversion to a control room has involved the partitioning of the larger of the two cells and the insertion of windows into the south elevation.




THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER S35	OLD SERIES	RCHME NUMBER	N.G.R. TL 37606 02264
NAME/FUNCTION Information Room and Store		START DATE 1969	END DATE
			
CARTOGRAPHIC DEPICTION 1972 WASC 900/102 ; S35 1972 WASC 900/104 ; S35 1976 WASC 900/113 ; S35		DOCUMENTARY REFERENCES 1972 ERDE List ; Info Room and Store 1991 Mott McDonald survey 1992 RARDE List ; Shed 1992 FBRC Workshop and Stores	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME 1) 206/O/10 from south	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: S34, S36, S37, S38, S50			
CONDITION Demolished			
DESCRIPTION 4) DIMENSIONS i) L 7.3m ii) W 4.85m 5) The building has been demolished a concrete floor slab remains.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER S36	OLD SERIES	RCHME NUMBER	N.G.R. TL 37598 02236
NAME/FUNCTION Detonator and Explosives Shed		START DATE 1968	END DATE
			
CARTOGRAPHIC DEPICTION 1972 WASC 900/102 ; S36 1972 WASC 900/104 ; S36 1976 WASC 900/113 ; S36		DOCUMENTARY REFERENCES 1972 ERDE List ; Detonator and Explosives Shed 1991 Mott McDonald survey 1992 RARDE List ; Small Storage Shed 1992 FBRC Class I Day Holding Explosives Magazine	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME 1) 206/O/5 From south	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: S34, S35, S37, S38, S50			
CONDITION Fair			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Breeze block 2) ROOF MATERIALS AND STRUCTURE Fibreboard with roofing felt 3) POWER SOURCE None COMBUSTION ENGINE 4) DIMENSIONS i) L 1.84m ii) W 1.15m iii) HT 1.92m 5) The magazine is a single storey structure with a rectangular ground plan. It has a single door on the west side. Inside are three shelves, a sign on the door describes it as a day expense magazine. A paper notice inside the building reads 'Expense Magazine, Explosive Limit 20kg Classification 1.1D, Day time use only'			

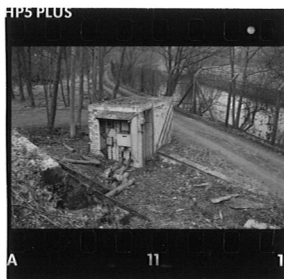
THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER S37	OLD SERIES	RCHME NUMBER	N.G.R. TL 37612 02223
NAME/FUNCTION ?Lifting Frame		START DATE 1968	END DATE
			
<p>CARTOGRAPHIC DEPICTION</p> <p>1972 WASC 900/102 ; S37 1972 WASC 900/104 ; S37 1976 WASC 900/113 ; S37</p>		<p>DOCUMENTARY REFERENCES</p> <p>Plans; S37 B01 - B04 ; Plans and Elevations 1968 to 1974</p> <p>1972 ERDE List ; Wooden Building on Stilts Newtons Pool 1991 Mott McDonald survey 1992 RARDE List ; Wooden building on stilts Newton's Pool 1992 FBRC Control Room for Pool</p>	
<p>PHOTOGRAPHY HISTORIC</p>		<p>PHOTOGRAPHY RCHME</p> <p>1) 206/O/9 from west</p>	
<p>RELATIONSHIPS WITH OTHER MONUMENTS</p> <p>ASSOCIATED WITH: S34, S35, S36, S38, S50, Newton's Pool RCHME 276</p>			
<p>CONDITION Poor</p>			
<p>DESCRIPTION</p> <p>1) CONSTRUCTIONAL MATERIAL Tubular steel, steel</p> <p>3) POWER SOURCE Hydraulics, electricity</p> <p>4) DIMENSIONS i) L 7.9m ii) W 3.8m iii) HT 1.48m</p> <p>5) The base of this structure survives constructed from tubular steel rods and girders. There is a stair case on the west side. Attached to the north side are the remains of electrical switch gear and a hydraulic power system. To the south of the feture leading down to Newton's Pool are a series of concrete steps.</p>			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER S38	OLD SERIES	RCHME NUMBER	N.G.R. TL 37627 02269
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NAME/FUNCTION Brick Bunker	START DATE 1940?	END DATE
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<p>CARTOGRAPHIC DEPICTION</p> <p>> 1940 WASC 900/91A 1954 A - B.34 ; S38 c1960 WASC 900/94 ; S38 c1963 WASC 900/97 ; S38 1972 WASC 900/102 ; S38 1972 WASC 900/104 ; S38 1976 WASC 900/113 ; S38</p>	<p>DOCUMENTARY REFERENCES</p> <p>1972 ERDE List ; Store 1991 Mott McDonald survey 1992 RARDE List ; Brick Bunker 1992 FBRC Control Room for Bunker</p>
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<p>PHOTOGRAPHY HISTORIC</p>	<p>PHOTOGRAPHY RCHME</p> <p>1) 206/O/11 from south</p>
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<p>RELATIONSHIPS WITH OTHER MONUMENTS</p> <p>ASSOCIATED WITH: S34, S35, S36, S37, S50, Newton's Pool RCHME 276</p>

<p>CONDITION Fair</p>

<p>DESCRIPTION</p> <ol style="list-style-type: none"> 1) CONSTRUCTIONAL MATERIAL Brick laid in English bond 2) ROOF MATERIALS AND STRUCTURE Flat concrete slab 3) POWER SOURCE Electricity? 4) DIMENSIONS i) L 3.1m ii) W 2.07m iii) HT 2.2m 5) The building is a single storey structure with a rectangular ground plan. The building was entered through a single door on the south side. There is a splayed window on the north elevation. Attached to the west side is electrical switch gear probably serving S34. The building is painted in yellow and black stripes.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER S39	OLD SERIES 95c	RCHME NUMBER	N.G.R. TL 37653 01814
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NAME/FUNCTION C.E. Cleaning House No.1 Solvent store	START DATE 1918?	END DATE
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<p>CARTOGRAPHIC DEPICTION</p> <p>1919 WASC 900/74 c1920 WASC 900/80 1923 WASC 900/84 ; 95c CE Cleaning House No.1 > 1940 WASC 900/91A 1954 A - B.34 ; S39 c1960 WASC 900/94 ; S39 c1963 WASC 900/97 ; S39 1972 WASC 900/102 ; S39 1972 WASC 900/104 ; S39 1976 WASC 900/113 ; S39</p>	<p>DOCUMENTARY REFERENCES</p> <p>c1925 RGPF Ledger WASC 1680 ; CE Cleaning House No.1 1972 ERDE List ; Solvent Store for S32 1991 Mott McDonald survey 1992 RARDE List ; Flat concrete base/Solvent store for S32</p>
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<p>PHOTOGRAPHY HISTORIC</p>	<p>PHOTOGRAPHY RCHME</p> <p>1) 206/E/33 From north west</p>
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RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: S32, S40, RCHME 150

CONDITION Demolished

DESCRIPTION

- 1) **CONSTRUCTIONAL MATERIAL**
Formerly timber framed

- 2) **ROOF MATERIALS AND STRUCTURE**
-

- 3) **POWER SOURCE**
Steam heat

- 4) **DIMENSIONS** i) L 6.8m ii) W 3.95m

- 5) The building has been demolished, the internal arrangements however may be reconstructed from the surviving remains of the foundations. The building was originally rectangular in shape comprising a timber framed superstructure on a low brick sill wall, 0.3m in height. The northern side of the building was taken up by an tarmac covered floor a working area. The western side was filled by eight lockers 0.76m in width and 0.97m deep, the floor surface here is a smooth asphalt. The lockers were heated by sixteen warm air pipes entering at ground level served by a fan house RCHME 150 set between S39 and S40. The building was earthed by a copper strip.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER S40	OLD SERIES	RCHME NUMBER	N.G.R. TL 37662 01812
NAME/FUNCTION C.E. Cleaning House No.2 Solvent store		START DATE 1918?	END DATE
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION 1919 WASC 900/74 c1920 WASC 900/80 1923 WASC 900/84 ; 95d CE Cleaning House No.2 > 1940 WASC 900/91A 1954 A - B.34 ; S40 c1960 WASC 900/94 ; S40 c1963 WASC 900/97 ; S40 1972 WASC 900/102 ; S40 1972 WASC 900/104 ; S40 1976 WASC 900/113 ; S40		DOCUMENTARY REFERENCES c1925 RGPF Ledger WASC 1680 ; CE Cleaning House No.2 1972 ERDE List ; Slovent Store 1991 Mott McDonald survey 1992 RARDE List ; Flat concrete base/waste store	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: S32, S39, RCHME 150			
CONDITION Demolished			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Formerly timber framed on low brick sill walls 2) ROOF MATERIALS AND STRUCTURE 3) POWER SOURCE Steam heating 4) DIMENSIONS i) L 3.85m ii) W 6.82m 5) The building has been demolished, the internal arrangements however may be reconstructed from the surviving remains of the foundations. The building was originally recatangular in shape comprising a timber framed superstructure on a low brick sill wall, 0.3m in height. The northern side of the building was taken up by an tarmac covered floor a working area. The western side was filled by eight lockers 0.76m in width and 0.97m deep, the floor surface here is a smooth asphalt. The lockers were heated by sixteen warm air pipes entering at ground level served by a fan house RCHME 150 set between S39 and S40. The building was earthed by a copper strip.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER S46	OLD SERIES 93G	RCHME NUMBER	N.G.R. TL 37810 01708
NAME/FUNCTION C.E. Stove No.7		START DATE June 1940	END DATE 1945?
<p>CARTOGRAPHIC DEPICTION</p> <p>1954 A - B.34 c1960 WASC 900/94 ; S46 c1963 WASC 900/97 ; S46 1972 WASC 900/102 ; S46 1972 WASC 900/104 ; S46 1976 WASC 900/113 ; S46</p>		<p>DOCUMENTARY REFERENCES</p> <p>Plans; S46 B01,B02 ; Plans and Elevations</p> <p>1992 RARDE List - Tetryl Store</p>	
<p>PHOTOGRAPHY HISTORIC</p>		<p>PHOTOGRAPHY RCHME</p> <p>1) 206/E/26 From south west 206/E/32 From west 2) BB92/26117 From north west</p>	
<p>RELATIONSHIPS WITH OTHER MONUMENTS</p> <p>ASSOCIATED WITH: S47, S49, S49, RCHME 138, RCHME 139, RCHME 140</p>			
<p>CONDITION Good</p>			

DESCRIPTION

1) CONSTRUCTIONAL MATERIAL
Brick, Timber frame with asbestos sheet walls

2) ROOF MATERIALS AND STRUCTURE
Asbestos over scissor truss

3) POWER SOURCE
Steam heat, electricity

4) DIMENSIONS i) L 7.08m ii) W 4.76m iii) HT gable 3.4m

5) The store is one of a group of four, divided into a pair by a breeze block blast wall RCHME 140, each pair was heated by a fanhouse RCHME 138 and RCHME 139. The stores were served by a light railway that ran along the north side of the buildings with four sets of points to service each building.

The building is a single storey structure with a rectangular ground plan and gabled ends north and south. The south wall of the building and two thirds of the gable are brick laid in English bond. The northern section of the building is timber framed with sheet asbestos covering. The exterior of the building retains traces of wavy camouflage paint and extends into the building along the northern panel adjacent to the door. The main entrance into the building through which the railway bogies were pushed is at the northern side of the southern elevation. The entrance could be closed by a wooden slatted door hung on cast iron hinges. On the eastern elevation is a single wooden door hung with brass fittings. Set longitudinally into the floor within the northern section are two sleeper beams to which were attached the rails. Two wooden blocks act as stops at the east end. South of the railway was a red painted shoe board delimiting the dirty and clean area within the building. At the eastern end was a shoe box and hinged step where outside boots would be substituted for slip over leather shoes. Above the shoe box are two coat hangers.

Along the south wall of the building are eight storage lockers. The lockers are constructed from wood, each of which could house eight drying trays. The tray space measure 0.93m in length, 0.62m in width with a maximum depth of 0.10m. The lockers were closed by wooden doors hung with brass fittings, in the centre of each door was a T shaped leather strap. Below each locker was a removable wooden vent with two brass knobs. Each locker was heated by a warm air pipe entering from the base on the southern wall served by RCHME 139. There is a ceramic vent at the top of each locker on the exterior wall.

A wooden painted notice on the north wall reads 'CE STOVE No.7 LIMIT 2000 LBS BUILDING NUMBER 93G'.

Historic Artefacts - Complete locker and fittings, notices, shoe box and step, brass door furniture, first aid box.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER S47	OLD SERIES 93H	RCHME NUMBER	N.G.R. TL 37820 01710
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NAME/FUNCTION C.E. Stove No.8	START DATE June 1940	END DATE 1945?
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NO PHOTOGRAPHY
AVAILABLE

CARTOGRAPHIC DEPICTION

> 1940 WASC 900/91A
1954 A - B.34
c1960 WASC 900/94 ; S47
c1963 WASC 900/97 ; S47
1972 WASC 900/102 ; S47
1972 WASC 900/104 ; S47
1976 WASC 900/113 ; S47

DOCUMENTARY REFERENCES

1992 RARDE List - Tetryl Store

PHOTOGRAPHY
HISTORIC

PHOTOGRAPHY
RCHME

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: S47, S49, S49, RCHME 138, RCHME 139, RCHME 140

CONDITION Good

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL
Brick, Timber frame with asbestos sheet walls
- 2) ROOF MATERIALS AND STRUCTURE
Asbestos over scissor truss
- 3) POWER SOURCE
Steam heat, electricity
- 4) DIMENSIONS i) L 7.07m ii) W 4.77m iii) HT gable 3.4m
- 5) The store is one of a group of four, divided into a pair by a breeze block blast wall RCHME 140, each pair was heated by a fanhouse RCHME 138 and RCHME 139. The stores were served by a light railway that ran along the north side of the buildings with four sets of points to service each building.


The building is a single storey structure with a rectangular ground plan and gabled ends north and south. The south wall of the building and two thirds of the gable are brick laid in English bond. The northern section of the building is timber framed with sheet asbestos covering. The exterior of the building retains traces of wavy camouflage paint and extends into the building along the northern panel adjacent to the door. The main entrance into the building through which the railway bogies were pushed is at the northern side of the southern elevation. The entrance could be closed by a wooden slatted door hung on cast iron hinges. On the eastern elevation is a single wooden door hung with brass fittings, on the exterior of the door is painted the date 6-40. Set longitudinally into the floor within the northern section are two sleeper beams to which were attached the rails. Two wooden blocks act as stops at the east end. South of the railway was a red painted shoe board delimiting the dirty and clean area within the building. At the eastern end was a shoe box and hinged step where outside boots would be substituted for slip over leather shoes. Above the shoe box are two coat hangers.

Along the south wall of the building are eight storage lockers. The lockers are constructed from wood, each of which could house eight drying trays. The tray space measure 0.93m in length, 0.62m in width with a maximum depth of 0.10m. The lockers were closed by wooden doors hung with brass fittings, in the centre of each door was a T shaped leather strap. Below each locker was a removable wooden vent with two brass knobs. Each locker was heated by a warm air pipe entering from the base on the southern wall served by RCHME 139. There is a ceramic vent at the top of each locker on the exterior wall.

A wooden painted notice on the north wall reads 'CE STOVE No.8 LIMIT 2000 LBS BUILDING NUMBER 93H'.

Historic Artefacts - Complete locker and fittings, notices, shoe box and step, brass door furniture, first aid box.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER S48	OLD SERIES 93I	RCHME NUMBER	N.G.R. TL 37833 01713
NAME/FUNCTION C.E. Stove No.9		START DATE June 1940	END DATE 1945?
			
<p>CARTOGRAPHIC DEPICTION</p> <p>> 1940 WASC 900/91A 1954 A - B.34 c1960 WASC 900/94 ; S48 c1963 WASC 900/97 ; S48 1972 WASC 900/102 ; S48 1972 WASC 900/104 ; S48 1976 WASC 900/113 ; S48</p>		<p>DOCUMENTARY REFERENCES</p> <p>1992 RARDE List - Tetryl Store</p>	
<p>PHOTOGRAPHY HISTORIC</p>		<p>PHOTOGRAPHY RCHME</p> <p>1) 206/E/31 From north west 2) BB92/26118 Interior from north west</p>	
<p>RELATIONSHIPS WITH OTHER MONUMENTS</p> <p>ASSOCIATED WITH: S47, S49, S49, RCHME 138, RCHME 139, RCHME 140</p>			
<p>CONDITION Good</p>			

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL
Brick, Timber frame with asbestos sheet walls
- 2) ROOF MATERIALS AND STRUCTURE
Asbestos over scissor truss
- 3) POWER SOURCE
Steam heat, electricity
- 4) DIMENSIONS i) L 7.07m ii) W 4.75m iii) HT gable 3.4m
- 5) The store is one of a group of four, divided into a pair by a breeze block blast wall RCHME 140, each pair was heated by a fanhouse RCHME 138 and RCHME 139. The stores were served by a light railway that ran along the north side of the buildings with four sets of points to service each building.

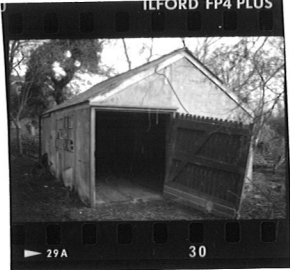
The building is a single storey structure with a rectangular ground plan and gabled ends north and south. The south wall of the building and two thirds of the gable are brick laid in English bond. The northern section of the building is timber framed with sheet asbestos covering. The exterior of the building retains traces of wavy camouflage paint and extends into the building along the northern panel adjacent to the door. The main entrance into the building through which the railway bogies were pushed is at the northern side of the southern elevation. The entrance could be closed by a wooden slatted door hung on cast iron hinges. On the eastern elevation is a single wooden door hung with brass fittings, dated on the exterior of the door is 'No.93I 6-40'. Set longitudinally into the floor within the northern section are two sleeper beams to which were attached the rails. Two wooden blocks act as stops at the east end. South of the railway was a red painted shoe board delimiting the dirty and clean area within the building. At the eastern end was a shoe box and hinged step where outside boots would be substituted for slip over leather shoes. Above the shoe box are two coat hangers. On the northern wall is a 1st aid box covered by a canvas flap.

Along the south wall of the building are eight storage lockers. The lockers are constructed from wood, each of which could house eight drying trays. The tray space measure 0.93m in length, 0.62m in width with a maximum depth of 0.10m. The lockers were closed by wooden doors hung with brass fittings, in the centre of each door was a T shaped leather strap. Below each locker was a removable wooden vent with two brass knobs. Each locker was heated by a warm air pipe entering from the base on the southern wall served by RCHME 138. There is a ceramic vent at the top of each locker on the exterior wall.

A wooden painted notice on the north wall reads 'CE STOVE No.9 LIMIT 2000 LBS BUILDING NUMBER 93I'.

Historic Artefacts - Complete locker and fittings, notices, shoe box and step, brass door furniture, first aid box.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER S49	OLD SERIES 93J	RCHME NUMBER	N.G.R. TL 37845 01715
NAME/FUNCTION C.E. Stove No.10?		START DATE June 1940	END DATE 1945?
			
<p>CARTOGRAPHIC DEPICTION</p> <p>> 1940 WASC 900/91A 1954 A - B.34 c1960 WASC 900/94 ; S49 c1963 WASC 900/97 ; S49 1972 WASC 900/102 ; S49 1972 WASC 900/104 ; S49 1976 WASC 900/113 ; S49</p>		<p>DOCUMENTARY REFERENCES</p> <p>1992 RARDE List - Tetryl Store</p>	
<p>PHOTOGRAPHY HISTORIC</p>		<p>PHOTOGRAPHY RCHME</p> <p>1) 206/E/30 From north west</p>	
<p>RELATIONSHIPS WITH OTHER MONUMENTS</p> <p>ASSOCIATED WITH: S47, S49, S49, RCHME 138, RCHME 139, RCHME 140, 102</p>			
<p>CONDITION Good</p>			

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL
Brick, Timber frame with asbestos sheet walls
- 2) ROOF MATERIALS AND STRUCTURE
Asbestos over scissor truss
- 3) POWER SOURCE
Steam heat, electricity
- 4) DIMENSIONS i) L 7.07m ii) W 4.77m iii) HT gable 3.4m
- 5) The store is one of a group of four, divided into a pair by a breeze block blast wall RCHME 140, each pair was heated by a fanhouse RCHME 138 and RCHME 139. The stores were served by a light railway that ran along the north side of the buildings with four sets of points to service each building.


The building is a single storey structure with a rectangular ground plan and gabled ends north and south. The south wall of the building and two thirds of the gable are brick laid in English bond. The northern section of the building is timber framed with sheet asbestos covering. The exterior of the building retains traces of wavy camouflage paint and extends into the building along the northern panel adjacent to the door. The main entrance into the building through which the railway bogies were pushed is at the northern side of the southern elevation. The entrance could be closed by a wooden slatted door hung on cast iron hinges. On the eastern elevation is a single wooden door hung with brass fittings, on the exterior of the door is painted '93? 6-40'. Set longitudinally into the floor within the northern section are two sleeper beams to which were attached the rails. Two wooden blocks act as stops at the east end. South of the railway was a red painted shoe board delimiting the dirty and clean area within the building.

Along the south wall of the building are eight storage lockers. The lockers are constructed from wood, each of which could house eight drying trays. The tray space measure 0.93m in length, 0.62m in width with a maximum depth of 0.10m. The lockers were closed by wooden doors hung with brass fittings, in the centre of each door was a T shaped leather strap. Below each locker was a removable wooden vent with two brass knobs. Each locker was heated by a warm air pipe entering from the base on the southern wall served by RCHME 139. There is a ceramic vent at the top of each locker on the exterior wall.

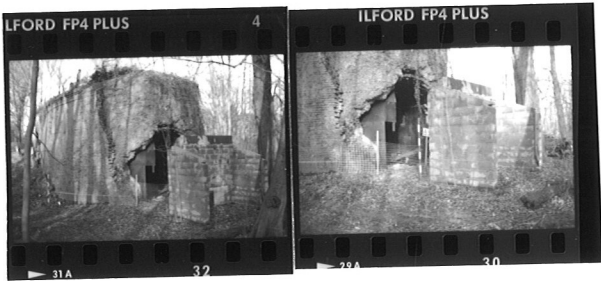
The building has latterly been used as a garden shed for the Water wardens cottage, this has conversion has invloved the insertion of two windows in the northern elevation and some damage to the explosives lockers.

Historic Artefacts - Complete locker and fittings, notices, shoe box and step, brass door furniture, first aid box.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER S50	OLD SERIES	RCHME NUMBER	N.G.R. TL 37616 02228
NAME/FUNCTION Control/Observation Room Detonator Store		START DATE 1972	END DATE
			
CARTOGRAPHIC DEPICTION 1972 WASC 900/102 ; S50 1972 WASC 900/104 ; S50 1976 WASC 900/113 ; S50		DOCUMENTARY REFERENCES 1972 ERDE List ; Control/Observation Store 1991 Mott McDonald survey 1992 RARDE List ; Store	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME 1) 206/O/8 From west	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: S34, S35, S36, S37, S38, Newton's Pool RCHME 276			
CONDITION Good			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Brick in English bond 2) ROOF MATERIALS AND STRUCTURE Flat concrete slab 3) POWER SOURCE Electricity 4) DIMENSIONS i) L 1.93m ii) W 1.92m iii) HT 2.4m 5) The building is single storeyed with a square plan. It has a single door on the north side. On the west side is an armoured observation window probably to observe platform S37 and on the south to observe Newton's Pool RCHME 276. Inside is the remains of electrical swith equipment and a gauge marked 0-2000lbs/sqin. Historic artefacts - electrical switch gear, gauge and possibly other contents.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER S90	OLD SERIES 90	RCHME NUMBER	N.G.R. TL 37670 01927
NAME/FUNCTION Gunpowder Stove Boiler House Fanhouse for Cordite Stoves Firing Point		START DATE 1879 1898? 195?	END DATE 1898? 195?
			
<p>CARTOGRAPHIC DEPICTION</p> <p>1865 WASC 900/38 + SUPP5 975 ; Steam Stove No.3</p> <p>1865 WASC 900/41A</p> <p>1865 WASC 900/42</p> <p>1897 WASC 900/53C</p> <p>1910 WASC 900/65</p> <p>c1910 WASC 900/79</p> <p>1917 WASC 900/70</p> <p>1917 WASC 900/72</p> <p>1919 WASC 900/74</p> <p>c1920 WASC 900/80</p> <p>1923 WASC 900/84 ; Boiler House (disused)</p> <p>> 1940 WASC 900/91A</p> <p>1954 A - B.34 ; S90</p> <p>c1960 WASC 900/94 ; S90</p> <p>c1963 WASC 900/97 ; S90</p> <p>1972 WASC 900/102 ; S90</p> <p>1972 WASC 900/104 ; S90</p> <p>1976 WASC 900/113 ; S90</p>		<p>DOCUMENTARY REFERENCES</p> <p>1908 RGPF Ledger WASC 1509 + WASC 1764 ; Engine and Fan House built 1883-4 p2</p> <p>c1925 RGPF Ledger WASC 1680 ; Engine and Fan House</p> <p>c1945 RGPF Ledger WASC 1508 ; Engine and Fan House</p> <p>1992 RARDE List ; Control Room</p>	
<p>PHOTOGRAPHY HISTORIC</p> <p>PRO Supply 5/860 11,12 1879 Gunpowder steam stove No.3 from north</p>		<p>PHOTOGRAPHY RCHME</p> <p>1)206/H/From East 206/H/32 From South</p> <p>2) BB92/26109 From South BB92/261110 From South West BB92/261111 From South East</p>	
<p>RELATIONSHIPS WITH OTHER MONUMENTS</p> <p>ASSOCIATED WITH: 87, 88, 89, 91, S29, S29a, S90a ABUTTED BY: S30</p>			
CONDITION		Fair	

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL
Brick, concrete

- 2) ROOF MATERIALS AND STRUCTURE
Brick vault, originally covered by slate see Supply 5/860 12

- 3) POWER SOURCE
Formerly steam


- 4) DIMENSIONS i) L 16.15m ii) W 11.3m iii) HT estimate 6m

- 5) The boiler house is oval in shape it it faced with brick laid in English bond. The interior of the boiler house has a brick vault with a central chimney veny. A blocked doorway is visible at the northern end. The exterior of this door lies under the traverse to S30 created around 1940.

The interior of the traverse has subsequently been used as firing point. The interior was partly lined in armoured plates, those that remain are pitted and scarred as aresult of the explosions. The experiments conducted within the structure have resulted in the collapse of the inner lip of the chimney and part of the eastern exterior cladding of the traverse. The experiments were controlled from S90a at the south east end of the traverse.

The building date of 1883-4 given in the 1908 ledger is thought to erroneus. The two gunpowder drying rooms [91 & 93] and the two small buildings [87 & 88] to the north are dated 1879 in the 1908 ledger WASC 1509.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER S90a	OLD SERIES	RCHME NUMBER	N.G.R. TL 37680 01919
NAME/FUNCTION Control room		START DATE 195?	END DATE
			
CARTOGRAPHIC DEPICTION c1960 WASC 900/94 c1963 WASC 900/97 1972 WASC 900/102 1972 WASC 900/104 1976 WASC 900/113		DOCUMENTARY REFERENCES	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME 1) 206/H/30 From south 206/H/31 From south 2) BB92/26111 From South East	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: S90			
CONDITION Fair			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Breeze block and armour plate 2) ROOF MATERIALS AND STRUCTURE Was a single gable 3) POWER SOURCE Electricity 4) DIMENSIONS i) L 3.6m ii) W 2.2m iii) HT 3.25m 5) The building is a single storey with a rectangular ground plan. The northwest elevation is protected by armour plates bolted to it. These are heavily scarred from explosions within S90. The southeast elevation is now open but was formerly covered by a timber framed side.			


THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER 89	OLD SERIES	RCHME NUMBER	N.G.R. TL 37677 01938
NAME/FUNCTION Gunpowder Drying Stove Cordite Tray Stove No.1 Fuse powder magazine C.E. Magazine no.4		START DATE 1879 1898? by 1923 1940?	END DATE 1898? by 1923 1940?
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES 1908 RGP Ledger WASC 1509 + WASC 1764; Cordite tray Stove built 1879 p9	
PHOTOGRAPHY HISTORIC 1) WASC 499 Photograph 9, damage caused by explosion of Mixing house 63 18-Jan-1940		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: 88, 87, 90, 91			
CONDITION Demolished brick foundations remain			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Brick 2) ROOF MATERIALS AND STRUCTURE - 3) POWER SOURCE Formerly steam heat from boiler house 90 4) DIMENSIONS i) L 11.6m ii) W 9.8m 5) The building was brick built with a gabled roof, it was heated by steam from the boiler within traverse. The building was probably demolished during the second world war perhaps prompted by damage it suffered in an accidental explosion 18-Jan-1940. The outline of the building may be traced as brick foundations with three small rooms to the north east. The line of the canal that formerly surrounded this building and 90 and 91 may be traced as slight hollow to the north east of this building. The opposite side of the canal may in part be traced as a brick foundation that supported a covered porch.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 91	RCHME NUMBER	N.G.R. TL 37660 01915
NAME/FUNCTION Gunpowder Stove Cordite Tray Stove		START DATE 1879 1898?	END DATE 1898?
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES 1908 RGPF Ledger WASC 1509 + WASC 1764; Cordite Tray Stove built 1879 p9	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: 87, 88 ABUTTS: 90 UNDERLIES: S30			
CONDITION Demolished			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Brick 2) ROOF MATERIALS AND STRUCTURE - 3) POWER SOURCE Formerly steam heat from 90 4) DIMENSIONS i) L 13m ii) W 3.5m+ 5) This remains of this building survives incorporated into the traverse of S30. The rear wall of this traverse has four steam pipes at its base formerly part of 91. Brick foundations to the south and north east of S30 represent other fragments of this building. The building was probably demolished after damage it sustained in an accidental explosion on 18-Jan-1940. It was replaced by S30.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 95a	RCHME NUMBER	N.G.R. TL37590 01807
NAME/FUNCTION Tetryl Purification plant		START DATE 1917?	END DATE 1945?
			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES Plan 95a B.02 9.10.16	
PHOTOGRAPHY HISTORIC PRO Supply 5/861 349		PHOTOGRAPHY RCHME 1) 206/H/36 95a From South	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: U6			
CONDITION Good			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Concrete 3) POWER SOURCE - 4) DIMENSIONS i) L 5.8m ii) W 5.15 iii) HT 1.65 5) Solid concrete hexagonal base raised on concrete legs, on top of the platform are two concrete blocks with vertical mounting bolts set into them.			


THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER 95b	OLD SERIES	RCHME NUMBER	N.G.R. TL 37617 01812
NAME/FUNCTION Fire Engine House	START DATE 1918?	END DATE	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH:			
CONDITION	Demolished		
DESCRIPTION 4) DIMENSIONS i) L 3.1m ii) W 3.3m 5) The building has been demolished, a concrete floor slab with vertical frame mounting bolts remains. A timber revetment against the side of Old River Lee may mark the position of a bridge.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES 104a	RCHME NUMBER	N.G.R. TL 37747 01700
NAME/FUNCTION Shifting Room	START DATE		END DATE
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION 1923 WASC 900/84;104a C.E. Shifting Room		DOCUMENTARY REFERENCES	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHME 141			
CONDITION Demolished			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL 2) ROOF MATERIALS AND STRUCTURE 3) POWER SOURCE Steam heat, electricity 4) DIMENSIONS i) L 12.3m ii) W 9.8m iii) HT 5) The building has been demolished but may be traced as a concrete floor slab, with an annex to the east. The building was formerly timber framed resting on a low brick sill wall, fragments of flat asbestos sheet walls and corrugated roofing asbestos were found in the area. On the opposite side of the track to 104a is a small concrete floor slab 5.4m x 3.55m.			

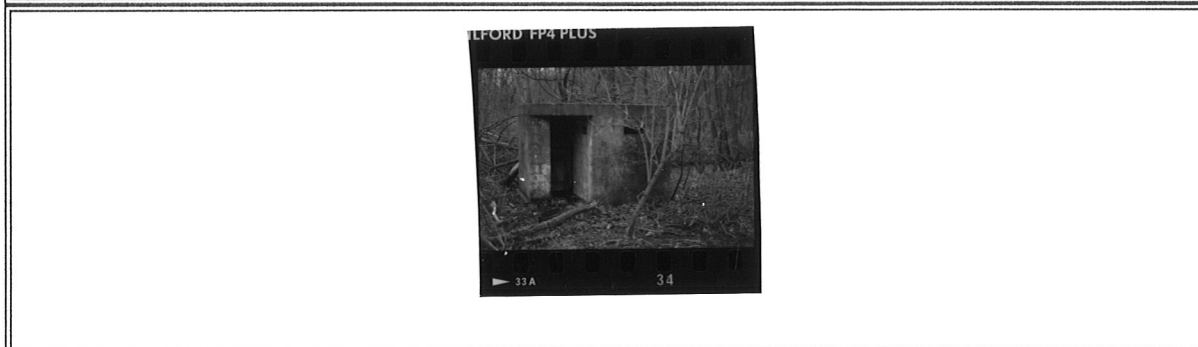
THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER U6	OLD SERIES	RCHME NUMBER	N.G.R. TL 37591 01817
NAME/FUNCTION Building		START DATE 195?	END DATE
			
CARTOGRAPHIC DEPICTION c1960 WASC 900/94 ; U6 c1963 WASC 900/97 1972 WASC 900/102 1972 WASC 900/104 1976 WASC 900/113		DOCUMENTARY REFERENCES 1991 Mott McDonald survey 1992 RARDE List ; Small Storage Hut	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME 1)206/J/1 From West 206/H/36 From South West	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: 95a			
CONDITION Fair			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Brick and timber frame with abestos sheet over. 2) ROOF MATERIALS AND STRUCTURE Corrugated abestos 3) POWER SOURCE Electricity 4) DIMENSIONS i) L 7.3m ii) W 5.5m iii) HT 2.9m 5) The southern portion of this building has been demolished leaving a low sill wall with a cement and slate damp proof course. The northern wall of this building is of brick strengthened by old railway track, the wall has been scarred by shrapnel like pitting. To the north of this wall is a leanto of abestos sheeting over a timber frame.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER U8	OLD SERIES	RCHME NUMBER	N.G.R. TL 37682 01791
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NAME/FUNCTION Bunker	START DATE 1940?	END DATE
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<p>CARTOGRAPHIC DEPICTION</p> <p>c1960 WASC 900/94 : U8 c1963 WASC 900/97 1972 WASC 900/102 1972 WASC 900/104 1976 WASC 900/113</p>	<p>DOCUMENTARY REFERENCES</p> <p>1991 Mott McDonald survey 1992 RARDE List ; Small Brick Shelter</p>
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<p>PHOTOGRAPHY HISTORIC</p>	<p>PHOTOGRAPHY RCHME</p> <p>1)206/E/34 From East</p>
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<p>RELATIONSHIPS WITH OTHER MONUMENTS</p> <p>ASSOCIATED WITH:</p>

<p>CONDITION Fair</p>

<p>DESCRIPTION</p> <ol style="list-style-type: none"> 1) CONSTRUCTIONAL MATERIAL Breeze block 2) ROOF MATERIALS AND STRUCTURE Flat concrete slab 3) POWER SOURCE None 4) DIMENSIONS i) L 2.96m ii) W 2.79m iii) HT 2.2m 5) The Bunker is a single storey rectangular structure with a staggered doorway on its eastern side. It is lit by three slit windows.
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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER U10	OLD SERIES	RCHME NUMBER	N.G.R. TL 37766 01730
NAME/FUNCTION Tetryl Store		START DATE 1940	END DATE 1945
			
CARTOGRAPHIC DEPICTION > 1940 WASC 900/91A 1954 A - B.34 c1960 WASC 900/94 ; U10 c1963 WASC 900/97 1972 WASC 900/102 1972 WASC 900/104 1976 WASC 900/113		DOCUMENTARY REFERENCES 1991 Mott McDonald survey 1992 RARDE List ; Tetryl Building, two blast walls remain	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME 1) 206/R/1 Floor slab from South	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHM140, RCHM 141, RCHM 142			
CONDITION Fair			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Timber framed wall covered by asbestos sheet 2) ROOF MATERIALS AND STRUCTURE Not known 3) POWER SOURCE Steam heating 4) DIMENSIONS i) L 6.2 ii) W 5.4 5) The building has been fired. A concrete slab remains, on the slab the outline of a building 5.8m x 4.6 may be discerned with two door on the southern side.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER X19	OLD SERIES 53b	RCHME NUMBER	N.G.R. TL 37655 02090
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NAME/FUNCTION Loading Stage	START DATE 192?	END DATE
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NO PHOTOGRAPHY
AVAILABLE

CARTOGRAPHIC DEPICTION

1923 WASC 900/84 ; Loading Stage
 >1940 WASC 900/91A
 1954 A - B.34
 c1960 WASC 900/94 ; X19
 c1963 WASC 900/97
 1972 WASC 900/102
 1972 WASC 900/104
 1976 WASC 900/113

DOCUMENTARY REFERENCES

1991 Mott McDonald survey
 1992 RARDE List ; Base Slab

PHOTOGRAPHY
HISTORIC

PHOTOGRAPHY
RCHME

RELATIONSHIPS WITH OTHER MONUMENTS

Associated with: S27

CONDITION

DESCRIPTION

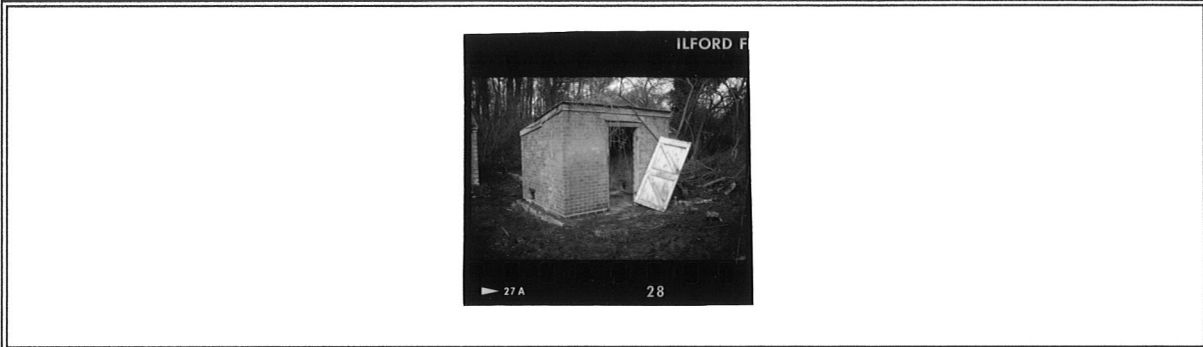
- 4) DIMENSIONS i) L 3.7 ii) W 2.95
- 5) Building demolished concrete slab remains

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER	OLD SERIES	RCHME NUMBER 115	N.G.R. TL 37645 01940
NAME/FUNCTION Traverse		START DATE 1940?	END DATE
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME 1)206/H/34 Traverse 206/T/17 From South	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: S29, S29a, S30			
CONDITION Good			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Breeze block and earthwork 4) DIMENSIONS i) L 47.1m ii) W 10.5m iii) HT 2.5m 5) The traverse consists of a breeze block revetting wall running parallel to the canal with an earthen bank to the rear (north). the wall was constructed to screen the entrance to S30. The front of the wall carried a line of steam pipes.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 138	N.G.R. TL 37840 01716
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NAME/FUNCTION Fan House	START DATE 1940	END DATE 1945
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<p>CARTOGRAPHIC DEPICTION</p> <p>> 1940 WASC 900/91A 1954 A - B.34 c1960 WASC 900/94 c1963 WASC 900/97 1972 WASC 900/102 1972 WASC 900/104 1976 WASC 900/113</p>	<p>DOCUMENTARY REFERENCES</p>
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<p>PHOTOGRAPHY HISTORIC</p>	<p>PHOTOGRAPHY RCHME 1)206/E/28 From South West</p>
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<p>RELATIONSHIPS WITH OTHER MONUMENTS</p> <p>ASSOCIATED WITH: S48,S49</p>

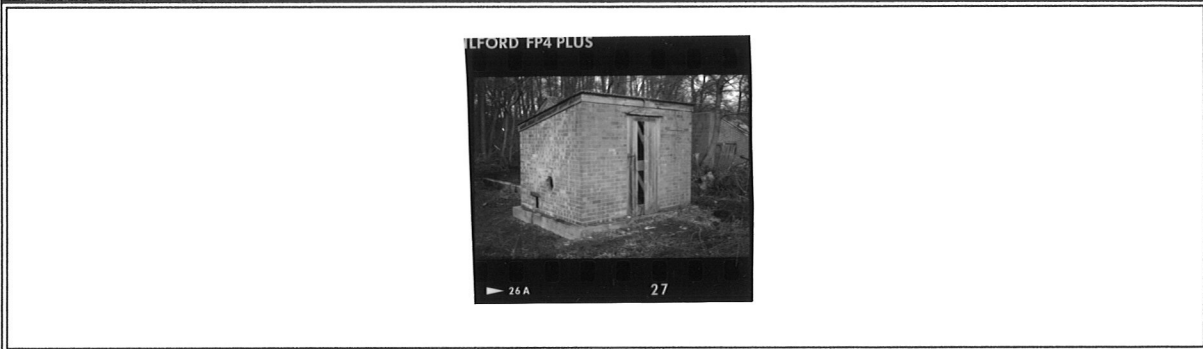
<p>CONDITION Fair</p>

<p>DESCRIPTION</p> <ol style="list-style-type: none"> 1) CONSTRUCTIONAL MATERIAL Brick 2) ROOF MATERIALS AND STRUCTURE Corrugated Asbestos in a single slope with a gable 3) POWER SOURCE Electricity & Steam vent 4) DIMENSIONS i) L 3.28 ii) W 2.67 iii) HT 2.47 5) The Fanhouse is a single storey building lying in the centre of and to the South of S48 and S49. It has a single door on the South side and a hole 0.3m square through the East and West walls (through which the warm air pipes passed). The North wall has a vent protected by a wooden louvre. On the floor of the building are two concrete machine bases with vertical mounting bolts, fixed to the wall is a wooden phone box.
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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 139	N.G.R. TL 37816 01702
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NAME/FUNCTION Fan House	START DATE 1940	END DATE 1945
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<p>CARTOGRAPHIC DEPICTION</p> <p>> 1940 WASC 900/91A 1954 A - B.34 c1960 WASC 900/94 c1963 WASC 900/97 1972 WASC 900/102 1972 WASC 900/104 1976 WASC 900/113</p>	<p>DOCUMENTARY REFERENCES</p>
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<p>PHOTOGRAPHY HISTORIC</p>	<p>PHOTOGRAPHY RCHME 1)206/E/27 From South West</p>
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<p>RELATIONSHIPS WITH OTHER MONUMENTS</p> <p>ASSOCIATED WITH: S46, S47</p>
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<p>CONDITION Fair</p>

<p>DESCRIPTION</p> <ol style="list-style-type: none"> 1) CONSTRUCTIONAL MATERIAL Brick 2) ROOF MATERIALS AND STRUCTURE Corrugated Asbestos 3) POWER SOURCE Steam & Electricity 4) DIMENSIONS i) L 3.28 ii) W 2.67 iii) HT 2.47 5) The fanhouse is a single storey building lying in the centre of and to the South of S46 and S47. It has a single door on the South side. The East and the West walls are pierced by a square hole 0.3m by 0.3m (through which the warm air pipes passed?). The North wall has a vent protected by a wooden louvre. On the floor of the building are two concrete machine bases with vertical mounting bolts.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 141	N.G.R. TL 37755 01705 37780 01771
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NAME/FUNCTION Steam Pipe Stanchion	START DATE	END DATE
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CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES
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PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1)206/E/25 Steam Pipe stanchion
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RELATIONSHIPS WITH OTHER MONUMENTS Associated with: 104a, U10
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CONDITION

DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Concrete 3) POWER SOURCE Steam 4) DIMENSIONS iii) HT 1.40 5) Concrete post with iron loop hangers.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 146	N.G.R. TL 37688 01729 TL 36688 01789
NAME/FUNCTION Pipeline	START DATE		END DATE
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH:			
CONDITION Poor			
<p>DESCRIPTION</p> <p>1) CONSTRUCTIONAL MATERIAL Timber posts with iron pipe</p> <p>3) POWER SOURCE Steam heat</p> <p>4) DIMENSIONS i) L 60m ii) W iii) HT</p> <p>5) 60m section of former steam pipe supported on tarred timber posts. The posts are 1.42 in height and the bore of the pipe is 47mm.</p>			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER	OLD SERIES	RCHME NUMBER 147	N.G.R. TL 3770 0174
NAME/FUNCTION Dump		START DATE	END DATE
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH:			
CONDITION Poor			
DESCRIPTION			
4) DIMENSIONS i) L ii) W iii) HT			
5) Dump of metal drums. The drums were im in diameter with aheight of 0.93m. They were originally sealed at both ends and the body of the drum was strengthened by iron hoops.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER	OLD SERIES	RCHME NUMBER 148	N.G.R. TL 37690 01752
NAME/FUNCTION Earth Closet		START DATE 194?	END DATE
			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME 1)206/E/35 From West	
RELATIONSHIPS WITH OTHER MONUMENTS Associated with: RCHME 119			
CONDITION			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Timber planks 2) ROOF MATERIALS AND STRUCTURE Felt over Timber boards 4) DIMENSIONS i) L 1.46 ii) W 1.1 iii) HT 2.0 5) Toilet with Bucket and single door with a sign which reads "C.E...ON....DIRTY"			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 149	N.G.R. TL 37686 01750
NAME/FUNCTION Earth Closet		START DATE 1940?	END DATE
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHME 148			
CONDITION Fair			
<p>DESCRIPTION</p> <p>1) CONSTRUCTIONAL MATERIAL Brick</p> <p>2) ROOF MATERIALS AND STRUCTURE Half, roof felt over boards</p> <p>3) POWER SOURCE None</p> <p>4) DIMENSIONS i) L 3.9m ii) W 1.84m iii) HT 2.6m</p> <p>5) Small single storey structure with urinal to the west and two covered cubicles with buckets to east. A sign on the exterior reads 'Clean'.</p>			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 150	N.G.R. TL 37655 01810
NAME/FUNCTION Fanhouse		START DATE 1918?	END DATE 1945?
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: S39, S40			
CONDITION Demolished			
<p>DESCRIPTION</p> <p>1) CONSTRUCTIONAL MATERIAL</p> <p>2) ROOF MATERIALS AND STRUCTURE</p> <p>3) POWER SOURCE Steam heat, electricity?</p> <p>4) DIMENSIONS i) L ii) W iii) HT</p> <p>5) This building has been demolished, a concrete floor slab remains. The fanhouse was formerly placed between the Tetryl Cleaning Houses 1 & 2 [S39 & S40].</p>			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 152	N.G.R. TL 37713 01879 TL 37798 01717
NAME/FUNCTION Overhead Powerline	START DATE c1940	END DATE	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: 74a, 75a, 76a, 92a, 92b, 93c, 93d, 96b, RCHM 153			
CONDITION	Poor		
DESCRIPTION 5) Line of 'telegraph' poles with 1940s type insulators. Parallel to RCHM 153			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 153	N.G.R. TL 37784 01773 TL 37805 01724
NAME/FUNCTION Pipeline	START DATE	END DATE	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHM 152			
CONDITION	Poor		
DESCRIPTION 5) Row of concrete stanchions with iron hoops, formerly carried a steam pipe. Parallel to RCHM 152.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 201	N.G.R. TL 37667 02075
NAME/FUNCTION Shelter		START DATE c1940	END DATE
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME 1) 206/M/23 From south west	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: S27			
CONDITION Good			
<p>DESCRIPTION</p> <p>1) CONSTRUCTIONAL MATERIAL Brick in English bond</p> <p>2) ROOF MATERIALS AND STRUCTURE Flat concrete slab</p> <p>3) POWER SOURCE None</p> <p>4) DIMENSIONS i) L 3.05 ii) W 2.15m iii) HT 2.15m</p> <p>5) The shelter is a single storey brick building. It has a single door on the on the western side and a splayed window on the south side. A pile of segmental breeze blocks near the building could be used to block the window.</p>			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER	OLD SERIES	RCHME NUMBER 205	N.G.R. TL 37670 02102
NAME/FUNCTION Blast Wall		START DATE 1940?	END DATE
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS PART OF: S27			
CONDITION Good			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Breeze block 4) DIMENSIONS i) L 18m ii) W 1.3m iii) HT 3.8m 5) Breeze block wall screening northern entrance to S27.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 206	N.G.R. TL 37670 01979 TL 37635 02017
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NAME/FUNCTION Steam Pipeline	START DATE 1940?	END DATE
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NO PHOTOGRAPHY
AVAILABLE

CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES
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PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME
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RELATIONSHIPS WITH OTHER MONUMENTS
ASSOCIATED WITH: RCHME 102, RCHME 202, RCHME 208, S28

CONDITION Poor

DESCRIPTION

3) POWER SOURCE
Steam

5) Line of concrete stanchions that formerly carried a steam pipe line. This line forms a branch from the main feeder pipe RCHME 102 along the north side of the canal to S28, it crosses the canal over bridge RCHME 202 to guncotton stove S28 served by Fan House RCHME 208.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 207	N.G.R. TL 37655 01997
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NAME/FUNCTION Blast Wall	START DATE 1940?	END DATE
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NO PHOTOGRAPHY
AVAILABLE

CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES
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PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME
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RELATIONSHIPS WITH OTHER MONUMENTS
ASSOCIATED WITH: S28

CONDITION Good

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL
 Cast concrete
- 4) DIMENSIONS i) L 10.3m ii) W 1.5m iii) HT 3.4m
- 5) Blast wall east of S28. formerly had timber walkway attached to to its canal side.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 208	N.G.R. TL 37632 02017
NAME/FUNCTION Fan House and Heater Base		START DATE 1940?	END DATE
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION		DOCUMENTARY REFERENCES 1944 Record Drawing 0 14 B 01 ; Fan House and Heater Base.	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHME 206, S28			
CONDITION Poor			
DESCRIPTION 3) POWER SOURCE Steam heat and ?electricity 5) This feature consists of a number of concrete blocks to the north of S28 representing the remains of a Fan House and Heater Base. There are two concrete slabs 2.9m x 2.9m and 3.9m x 1.2m are with in the group are smaller concrete blocks. Into the blocks are set vertical mounting bolts for securing the superstructure and machinery.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 209	N.G.R. TL 37617 02036 TL 37635 02067
NAME/FUNCTION Steam Heating Pipeline	START DATE 1940?	END DATE	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: S27			
CONDITION	Poor		
DESCRIPTION 3) POWER SOURCE Steam 5) concrete stanchions of steam pipeline serving S27, pipe bore 37mm.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 211	N.G.R. TL 37590 02089 TL 37600 02091
NAME/FUNCTION Steam Pipeline	START DATE 1940?	END DATE	
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFERENCES		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME		
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: E16, RCHM 209			
CONDITION Poor			
DESCRIPTION 3) POWER SOURCE Steam 5) Stanchions of steam pipe line, RCHME 211 forms a branch from pipe RCHME 209 to E16.			

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 1879?	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 1857 Maj Frazer Baddeley R.A. Pamphlet on The Manufacture of Gunpowder Waltham Abbey p17 1870 Capt F.M.Smith R.A. Handbook of the Manufacture & Proof of Gunpowder as carried on at the RGPF Waltham Abbey p69-71 1888 Maj Gen W.H.Wardell R.A.Handbook of Gunpowder & Guncotton 1888 p52 point No6 1908 Ledger	
PHOTOGRAPHY HISTORIC PRO Supply 5/860 14 1879		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHME 289			
CONDITION			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL 2) ROOF MATERIALS AND STRUCTURE 3) POWER SOURCE Water 4) DIMENSIONS i) L ii) W iii) HT 5) The Dusting House lay to either side of a central brick lined wheel pit. The wheel pit survives although filled and the position of the tumble bay on the eastern side is sealed by corrugated iron. Slightvbsubrectangular earthwork hollows either side of the wheel pit probably mark the position of the building.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER	OLD SERIES	RCHME NUMBER 304	N.G.R. TL 37663 02242
NAME/FUNCTION The Old Turnpike House Turnpike and Chequer Inn Mr Newtons House		START DATE 18th Century	END DATE By 1827
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION 1783 WASC 900/1, PRO MR 593 The Old Turnpike House 1801 WASC 900/1a, PRO MR 580(2) Old Turnpike House 1806 WASC PRO MR 580 4 Master Workers House		DOCUMENTARY REFERENCES 1807 WO55/2351;96 Master Workers House 1887 Winters.W. <u>Centenary Memorial of The Royal Gunpowder Factory, Waltham Abbey</u> p148 1973 Cherry.J. "Post Medieval Britain in 1972" p104 <u>Post Medieval Archaeology 7.</u> Excavation by K.N.Bascombe and J.T.A.Burton.	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: Newtons Pool RCHME 276			
CONDITION Demolished			
DESCRIPTION 5) Building named as the Old Turnpike House is shown in 1783. The building has been identified as the Turnpike and Chequer Inn,(see Cherry J) last licensed in 1795. A period of domestic occupation may have followed as an old workman writing in 1887 (see Winters) describes Newtons house at the pool to the right of Edmonsey. Excavations in 1971 during bridge building operations located a brick lined pit with a half-penny of 1806 in its fill. No surface remains were found, the building may lie underneath the modern road to the south of the modern bridge southeast of Newtons Pool RCHME 276.			



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