

THE ROYAL GUNPOWDER FACTORY

WALTHAM ABBEY

Buildings

L150-L174



THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER
L150

OLD SERIES

RCHME NUMBER

N.G.R.
TL 37709 01284

NAME/FUNCTION
Concrete Air Raid Shelter
Solvent Store

START DATE
1941

END DATE
198?



CARTOGRAPHIC DEPICTION

> 1940 WASC 900/91A ; L150
1954 A - B.34 ; L150
c1960 WASC 900/94 ; L150
c1963 WASC 900/97 ; L150
1972 WASC 900/102 ; L150
1972 WASC 900/104 ; L150
1976 WASC 900/113 ; L150

DOCUMENTARY REFERENCES

Plan;
L150 B01 - 1940 ; Air Raid Shelter for RGPF

1972 ERDE List ; Solvent General Store
1991 Mott McDonald survey
1992 RARDE List ; Air Raid Shelter

PHOTOGRAPHY HISTORIC

PHOTOGRAPHY
RCHME
1) 206/M/0 From South East

RELATIONSHIPS WITH OTHER MONUMENTS


ASSOCIATED WITH: L148

CONDITION Good

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL
Concrete
- 2) ROOF MATERIALS AND STRUCTURE
Concrete slab
- 3) POWER SOURCE
Steam Electricity
- 4) DIMENSIONS i) L 9.18 ii) W 5.18 iii) HT 2.62
- 5) The air raid shelter is single storeyed with a U shaped plan. It is entered through two doors on the eastern side. Its later conversion into a store has included the insertion of a metal roof vent.

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER L151	OLD SERIES 161A	RCHME NUMBER	N.G.R. TL 37766 01241
NAME/FUNCTION Incorporating House No.4 Laboratory		START DATE 1914-17? 1947	END DATE 1947
			
CARTOGRAPHIC DEPICTION 1917 WASC 900/70 ; Incorp. House No.4 1917 WASC 900/72 ; 161a 1919 WASC 900/74 ; 161a c1920 WASC 900/80 ; 161a 1923 WASC 900/84 ; 161a > 1940 WASC 900/91A ; L151 1954 A - B.34 ; L151 c1960 WASC 900/94 ; L151 c1963 WASC 900/97 ; L151 1972 WASC 900/102 ; L151 1972 WASC 900/104 ; L151 1976 WASC 900/113 ; L151		DOCUMENTARY REFERENCES Plans; L151 B01 - B15 ; Plans and Elevations 1947 to 1958 c1925 RGPF Ledger WASC 1680 ; Incorp. House No.4 c1945 RGPF Ledger WASC 1508 ; Incorp. House No.4 1972 ERDE List ; Organic Igniferous Laboratory 1991 Mott McDonald survey 1992 RARDE List ; Laboratory/Incorp. House No.4	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME 1) 206/D/26 From South East 206/Q/22 From North 2) BB92/26086 From South East BB92/26087 From South West BB92/26176 From South West (Colour)	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH L152, L198			
CONDITION Fair			

TEXT BOOK OF EXPLOSIVES 1938 U.M.S.O. CHAP XV P.99-111 FIG 15.2, -9

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL
Brick
- 2) ROOF MATERIALS AND STRUCTURE
Felt over timber boards supported by purlins
- 3) POWER SOURCE
Steam Electricity
- 4) DIMENSIONS i) L 32.07 ii) W 8.8 iii) HT Eave 3.67
- 5) The building is single storeyed it has a rectangular ground plan with gabled walls north and south. The building was divided into seven bays by five internal partition walls in English bond. Also visible in the partition walls are cut off I girders that formerly supported internal machinery. The external walls of the bays are filled to the east and west by modern timber frames. Small timber framed leantos with an asbestos covering have been added to the north and south ends of the building.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER L152	OLD SERIES 161B	RCHME NUMBER	N.G.R. TL 37777 01244
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NAME/FUNCTION Chemical Store/Solvent Store	START DATE 1914-18?	END DATE
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CARTOGRAPHIC DEPICTION

1919 WASC 900/74
c1920 WASC 900/80 ; 161b
1923 WASC 900/84 ; 161b
> 1940 WASC 900/91A ; L152
1954 A - B.34 ; L152
c1960 WASC 900/94 ; L152
c1963 WASC 900/97 ; L152
1972 WASC 900/102 ; L152
1972 WASC 900/104 ; L152
1976 WASC 900/113 ; L152

DOCUMENTARY REFERENCES

c1925 RGPF Ledger WASC 1680 ; EC
c1945 RGPF Ledger WASC 1508 ; EC

1972 ERDE List ; Hazardous Chemicals
1991 Mott McDonald survey
1992 RARDE List ; Chemicals Store

1992 FBRC ; Solvent Store

PHOTOGRAPHY HISTORIC

PHOTOGRAPHY
RCHME
1) 206/G/30 From South

RELATIONSHIPS WITH OTHER MONUMENTS

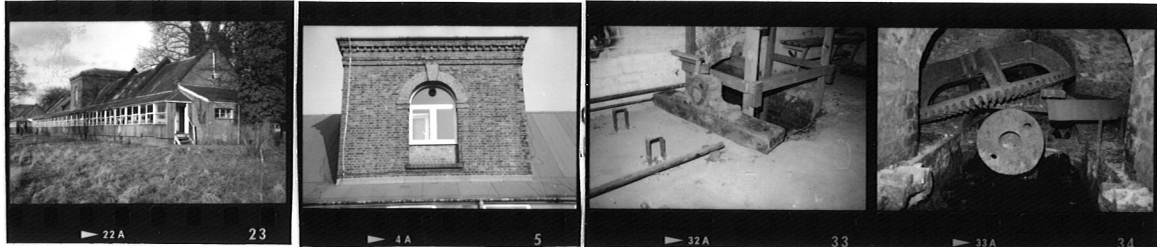
ASSOCIATED WITH: L151

CONDITION Fair

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL
Brick in Stretcher bond
- 2) ROOF MATERIALS AND STRUCTURE
Corrugated Asbestos with a vented ridge
- 3) POWER SOURCE
Steam Electricity
- 4) DIMENSIONS i) L 3.45 ii) W 1.92 iii) HT 3.19
- 5) The store is a single storeyed building with a rectangular ground plan. It has gabled ends on the north and south side. The south elevation has a single door and a small segmental headed window. On the north elevation is an inserted door and a small segmental headed window. The east and west elevations are blank.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER L153	OLD SERIES 160	RCHME NUMBER	N.G.R. TL 37720 01237
NAME/FUNCTION Group D Incorporating House Press House Group D Initiators Section /Incorporating House No.8		START DATE 1868 1898? 1946?	END DATE 1898? 1946?
			
CARTOGRAPHIC DEPICTION 1865 WASC 900/38 + SUPP5 975 ; Group D Incorp. House 1865 WASC 900/41A ; Group D Incorp. House/Electric Machine House & Pump 1865 WASC 900/42 ; Group D Incorp. House/Electric Machine House & Pump 1897 WASC 900/53C 1902 WASC 353 ; Press House Group D c1910 WASC 900/65 ; Incorp. House Group D c1910 WASC 900/79 ; Incorp. House Group D 1917 WASC 900/70 ; Incorp. House No. 8/Spare Gear Rm No. 3 1917 WASC 900/72 ; 160 1919 WASC 900/74 ; 160 c1920 WASC 900/80 ; 160 1923 WASC 900/84 ; 160 > 1940 WASC 900/91A ; L153 1954 A - B.34 ; L153 c1960 WASC 900/94 ; L153 c1963 WASC 900/97 ; L153 1972 WASC 900/102 ; L153 1972 WASC 900/104 ; L153 1976 WASC 900/113 ; L153		DOCUMENTARY REFERENCES Plans; L153 B01 - B36 ; Plans and Elevations 1946 to 1985 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Incorp. House Group D c1925 RGPF Ledger WASC 1680 ; Incorp. House Group D c1945 RGPF Ledger WASC 1508 ; Incorp. House Group D 1972 ERDE List ; Laboratory 1991 Mott McDonald survey 1992 RARDE List ; Initiators Section/Incorp. House No.8 1993 RCHME NBR No.91457	

TEXT BOOK OF EXPLOSIVES 1938 H.M.S.O. CHAP XV P.99-111 FIGS 15.2-9.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER

CONTINUATION SHEET



PHOTOGRAPHY**HISTORIC**

WASC 1039/1 Building constructed 1867-8

WASC 1233/10

PHOTOGRAPHY**RCHME**

1) 206/J/23 From South

206/P/5 Erected 1867-8

206/P/33 Detail of Drive shaft support

206/P/34 Detail of pinion wheel of Southerly mill from South

206/P/35 Detail of pinion wheel of Southerly mill from South

206/P/36 Detail of pinion wheel of Southerly mill from South

206/P/37 Detail of pinion wheel of Southerly mill from South

2) BB92/26082 From South West

BB92/27177 From North West (Colour)

BB92/26188 Detail of pinion wheel of Southerly mill

3) 225/A/2-4 Below Engine House Cast iron fly wheel made up of bolted segments

225/A/5-8 Chamber below incorporating mills

225/A/9-11 Below engine house large stone beds for beam engine

225/A/12-14 Below engine house

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: L145, L148, L149, L154, L157

CONDITION Fair**DESCRIPTION**1) **CONSTRUCTIONAL MATERIAL**
Brick2) **ROOF MATERIALS AND STRUCTURE**
Slate over timber boards3) **POWER SOURCE**
Steam Electricity4) **DIMENSIONS** i) L 46.8 ii) W 8.6

5) A stone plaque on the west side of the engine house reads 'Erected 1867-8'.

See attached RCHME Threatened Buildings Section report.

ROYAL COMMISSION ON THE HISTORICAL MONUMENTS OF ENGLAND

**MOD Building No. L153
Group D Incorporating Mills
The Royal Gunpowder Factory
Waltham Abbey
Essex**

**NBR No: 91457
NGR: TL 37720 01237**


Built in 1867-8, the Group D Incorporating Mills building is similar to the other incorporating mills on the site and was virtually identical to Group C Incorporating Mills building of 1861. It has a T-shaped plan which comprises a central Engine House, with a Boiler House at its east end, and three-bay cross wings on its north and south sides for six gunpowder incorporating mills. There was an open verandah along the west front. On the south side of the Boiler House was a coal yard containing a chimney.

The Engine House, Boiler House and baffle walls separating the bays in the incorporating mills are constructed of yellow brick laid in English bond. The roofs and side walls were less substantial, being of wood and canvas with a slight iron framework.

Gearing for the incorporating mills survives in a underground chamber below the mills.


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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER L154	OLD SERIES	RCHME NUMBER	N.G.R. TL 37710 01200
NAME/FUNCTION Magazine		START DATE 195?	END DATE
			
CARTOGRAPHIC DEPICTION > 1940 WASC 900/91A ; L154 1954 A - B.34 ; L154 c1960 WASC 900/94 ; L154 c1963 WASC 900/97 ; L154 1972 WASC 900/102 ; L154 1972 WASC 900/104 ; L154 1976 WASC 900/113 ; L154		DOCUMENTARY REFERENCES 1991 Mott McDonald survey 1992 RARDE List ; Magazine	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME 1) 206/J/24 From South West 206/J/25 Detail of Engine House 206/J/27 From South 2) BB92/26083 From North West	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: L153, L157			
CONDITION Fair			

DESCRIPTION

- 1) **CONSTRUCTIONAL MATERIAL**
Brick in English bond
- 2) **ROOF MATERIALS AND STRUCTURE**
Slate with felt covering over a brick vault
- 3) **POWER SOURCE**
Electricity
- 4) **DIMENSIONS** i) L 4.02 ii) W 3.43 iii) HT Eave 3.6
- 5) The magazine is a single storeyed building with a rectangular ground plan. It has gabled ends to the west and east. The building is entered through a raised door on the western side, formerly served by a narrow guage railway on a trestle. The magazine was lit by a small window on the north wall, now blocked. The north and south elevations are blank. The interior of the magazine is lined with wooden boards. To the west of mills L153 and L157 the brick pier foundations of the railway was found. Two narrow slots on the east wall now filled by bricks may have contained trestle supports.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER L155	OLD SERIES 162A	RCHME NUMBER	N.G.R. TL 37783 01200
NAME/FUNCTION Incorporating House No.5 Laboratory		START DATE 1914-17? 1956	END DATE 1956
			
CARTOGRAPHIC DEPICTION 1917 WASC 900/70 ; Incorp. House No.5 1917 WASC 900/72 ; 162a 1919 WASC 900/74 ; 162a c1920 WASC 900/80 ; 162a 1923 WASC 900/84 ; 162a > 1940 WASC 900/91A ; L155 1954 A - B.34 ; L155 c1960 WASC 900/94 ; L155 c1963 WASC 900/97 ; L155 1972 WASC 900/102 ; L155 1972 WASC 900/104 ; L155 1976 WASC 900/113 ; L155		DOCUMENTARY REFERENCES Plans; L155 B01 - B25 ; Plans and Elevations c1925 RGPF Ledger WASC 1680 ; Incorp. House No.5 c1945 RGPF Ledger WASC 1508 ; Incorp. House No.5 1972 ERDE List ; Laboratory/Physical Section 1991 Mott McDonald survey 1992 RARDE List ; Laboratory/Incorp. House No.5	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME 1) 206/D/25 From South West 206/N/21 Detail of Barge perch 206/N/22 From South West	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: L151, L159			
CONDITION Fair			

TEXT BOOK OF EXPLOSIVES HMSO 1938 CHAP XV P.99-111. FIGS 15-2-9.

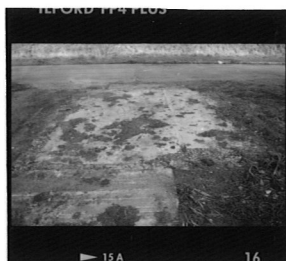
DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL
Brick
- 2) ROOF MATERIALS AND STRUCTURE
Felt
- 3) POWER SOURCE
Steam Electricity
- 4) DIMENSIONS i) L 32.07 ii) W 8.5 iii) HT Eave 3.5
- 5) The building is single storeyed with a rectangular ground plan, it has gabled ends to the north and south. the building is divided into seven bays by five internal partition walls in English bond. A blocked bearing box is visible on the south gable wall, on the north wall is a small timber hatch in a similar position. The external walls of the bays are filled by modern timber framed infill. Modern leantos constructed from timber frames with an asbestos skin have been added to the north and south ends.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER L156	OLD SERIES	RCHME NUMBER	N.G.R. TL 37740 01209
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NAME/FUNCTION Mixing & Grinding /Hose House	START DATE 1945-55?	END DATE
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CARTOGRAPHIC DEPICTION

>1940 WASC 900/91A ; L156
 1954 A - B.34 ; L156
 c1960 WASC 900/94 ; L156
 c1963 WASC 900/97 ; L156
 1972 WASC 900/102 ; L156
 1972 WASC 900/104 ; L156
 1976 WASC 900/113 ; L156

DOCUMENTARY REFERENCES

1972 ERDE List ; Mixing and Grinding/Hose House
 1991 Mott McDonald survey
 1992 RARDE List ; Mixing and Grinding/Hose House

PHOTOGRAPHY HISTORIC

PHOTOGRAPHY
 RCHME
 1) 206/P/16 From West

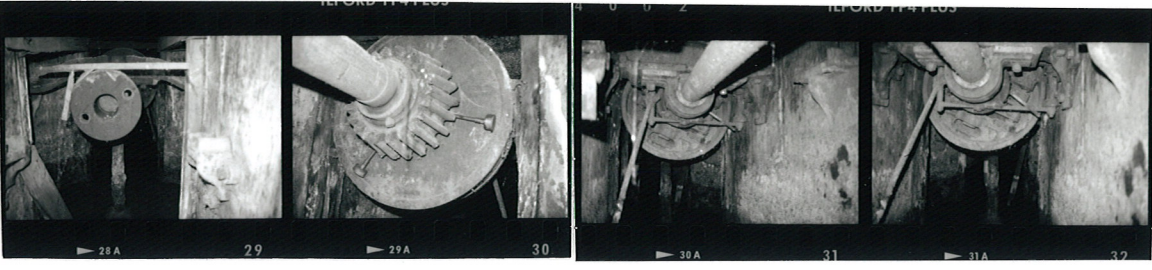
RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH L157, L158, L174, L187

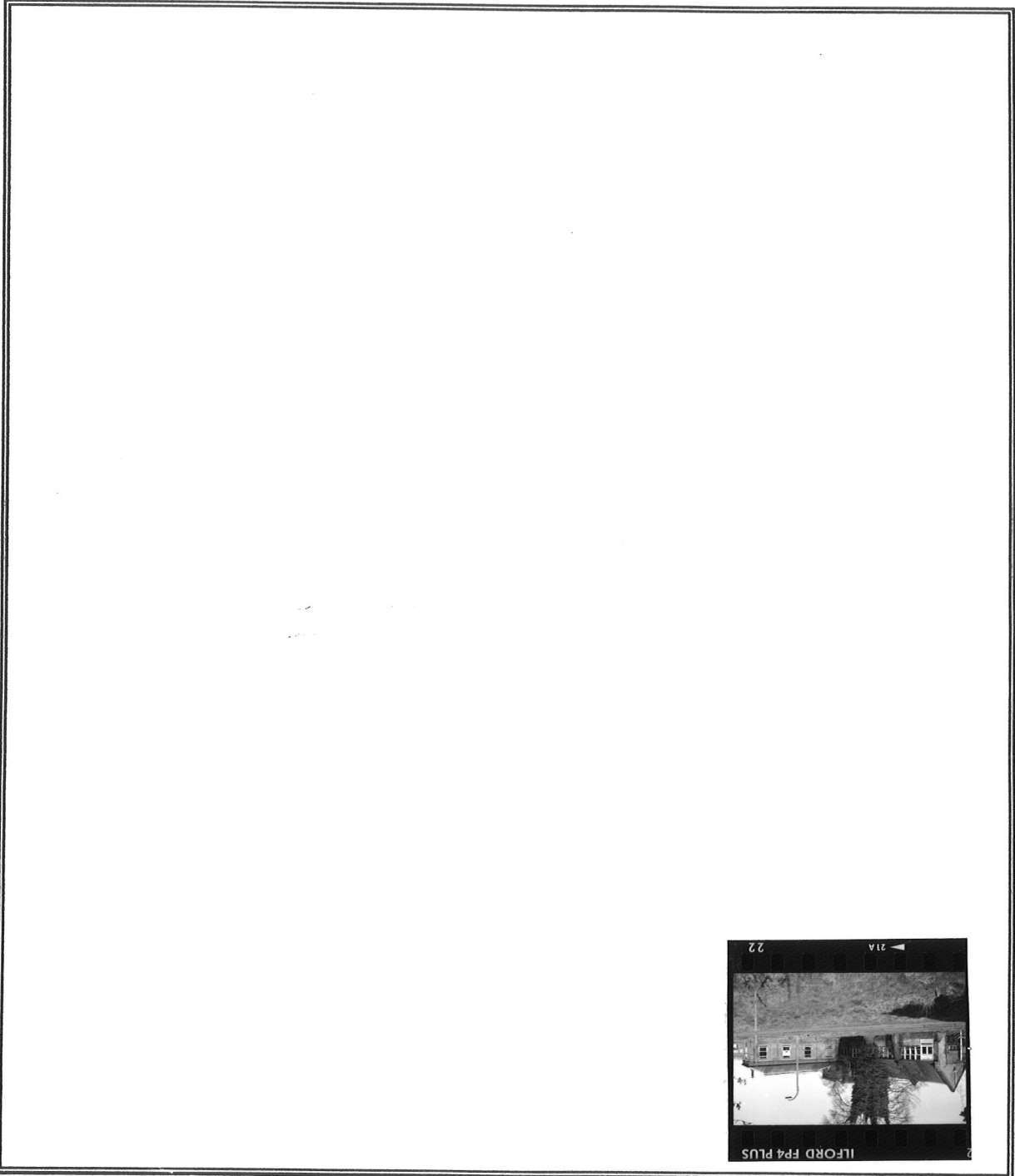
CONDITION Demolished

DESCRIPTION

- 3) POWER SOURCE
Electricity
- 4) DIMENSIONS i) L 4.6m ii) W 3.4m
- 5) The building, rectangular in plan, has been demolished a concrete floor slab remains.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER L157	OLD SERIES 167	RCHME NUMBER	N.G.R. TL 37750 01174
NAME/FUNCTION Group C Incorporating Mills Press House Group C Steam Incorporating Mills Laboratory/Press House No 4		START DATE 1861 1908? 1946?	END DATE 1908? 1946?
			
CARTOGRAPHIC DEPICTION 1861-1868 WASC 900/10A 1865 WASC 900/13 ; Incorp Mills and Boiler House 1865 WASC 900/14 ; Group C Incorp Mills 1865 WASC 900/38 + SUPP5 975 ; Group C Incorp Mills 1865 WASC 900/41A ; Group C Incorp Mills 1865 WASC 900/42 ; Group C Incorp Mills 1897 WASC 900/53C c1910 WASC 900/65 ; Press House Group C c1910 WASC 900/79 ; Press House Group C 1917 WASC 900/70 ; Press House Group 4 1917 WASC 900/72 ; 167 1919 WASC 900/74 ; 167 c1920 WASC 900/80 ; 167 1923 WASC 900/84 ; 167 > 1940 WASC 900/91A ; L157 1954 A - B.34 ; L157 c1960 WASC 900/94 ; L157 c1963 WASC 900/97 ; L157 1972 WASC 900/102 ; L157 1972 WASC 900/104 ; L157 1976 WASC 900/113 ; L157		DOCUMENTARY REFERENCES Plans; L157 B01 - B35 ; Plans and Elevations 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Press House Group C c1925 RGPF Ledger WASC 1680 ; Press House Group C c1945 RGPF Ledger WASC 1508 ; Press House Group C 1972 ERDE List ; Laboratory/Press House No.4 1991 Mott McDonald survey 1992 RARDE List ; Laboratory/Press House No.4 1993 RCHME NBR No.91456	

TEXT BOOK OF EXPLOSIVES H.M.S.O. CHAP XV P.99-III. FIG 15-2-9



THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY	
NUMBER	CONTINUATION SHEET

<p>PHOTOGRAPHY HISTORIC WASC 68 Explosion 21.8.1890 WASC 71 Explosion 21.10.18?? WASC 72 Explosion 21.10.189?</p>	<p>PHOTOGRAPHY RCHME 1) 206/P/29 Detail drive shaft beneath Northerly mill 206/P/30 Detail clutch mechanism 206/P/31 Detail clutch mechanism 206/P/32 Detail clutch mechanism 206/R/22 Gunpowder Steam mill from South East 2) BB92/26082 From South West BB92/26086 From South East BB92/26088 From North</p>
<p>RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: L145, L148, L149, L153, L154, L156, L158, L174, L187</p>	
<p>CONDITION Fair</p>	
<p>DESCRIPTION</p> <ol style="list-style-type: none"> 1) CONSTRUCTIONAL MATERIAL Brick in English bond 2) ROOF MATERIALS AND STRUCTURE Timber boards 3) POWER SOURCE Steam Electricity 4) DIMENSIONS i) L 46.05 ii) W 8.4 5) A stone plaque on the west side has the following inscription 'Erected 1861'. See attached RCHME Threatened Buildings Section report. 	

ROYAL COMMISSION ON THE HISTORICAL MONUMENTS OF ENGLAND

MOD Building No. L1537
Group C Incorporating Mills
The Royal Gunpowder Factory
Waltham Abbey
Essex

NBR No: 91456
NGR: TL 37750 01174


Built in 1861, the Group C Incorporating Mills building has a T-shaped plan which comprises a central Engine House, with a Boiler House at its east end, and cross wings on its north and south sides for the gunpowder incorporating mills. There was an open verandah along the west front. On the south side of the Boiler House was a coal yard containing a chimney.

The Engine House, Boiler House and baffle walls separating the bays in the incorporating mills are constructed of yellow brick laid in English bond. The roofs and side walls were less substantial, being of wood and canvas or felt, with a slight iron framework.

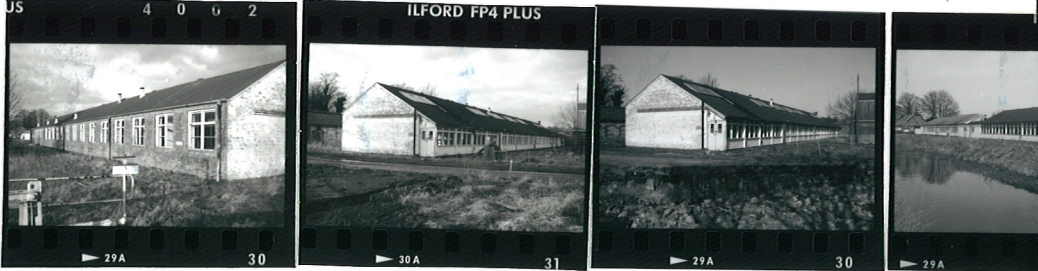
The original gearing for the machinery of the mills in this building survives more or less intact below the ground.

Originally the cross wings were of two bays each and were later extended by the addition of a third bay at either end. In this secondary form, the building represents a model for the other incorporating mills subsequently built on this part of the site.

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER L158	OLD SERIES	RCHME NUMBER	N.G.R. TL 37747 01181
NAME/FUNCTION Workshop		START DATE 197?	END DATE
			
CARTOGRAPHIC DEPICTION 1972 WASC 900/102 ; L158 1972 WASC 900/104 ; L158 1976 WASC 900/113 ; L158		DOCUMENTARY REFERENCES 1972 ERDE List ; Workshop for L157 1991 Mott McDonald survey 1992 RARDE List ; Ancillary Building for L157	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME 1) 206/J/28 From West 206/J/29 From South	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: L157			
CONDITION Demolished			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Brick 4) DIMENSIONS i) L 4.22 ii) W 4.22 5) The building , rectangular in plan, was demolished in 1992, a concrete floor slab remains.			

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THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER L159	OLD SERIES 167A	RCHME NUMBER	N.G.R. TL 37800 01144
NAME/FUNCTION Press House No.5 Laboratory		START DATE 1915 1956-7	END DATE 1956
			
CARTOGRAPHIC DEPICTION 1917 WASC 900/70 ; Press House No.5 1917 WASC 900/72 ; 167a 1919 WASC 900/74 ; 167a c1920 WASC 900/80 ; 167a 1923 WASC 900/84 ; 167a > 1940 WASC 900/91A ; L159 1954 A - B.34 ; L159 c1960 WASC 900/94 ; L159 c1963 WASC 900/97 ; L159 1972 WASC 900/102 ; L159 1972 WASC 900/104 ; L159 1976 WASC 900/113 ; L159		DOCUMENTARY REFERENCES Plans; L159 B01 - B42 ; Plans and Elevations 1915 to 1967 c1925 RGPF Ledger WASC 1680 ; Press House No.5 c1945 RGPF Ledger WASC 1508 ; Press House No.5 1972 ERDE List ; Organic Laboratory 1991 Mott McDonald survey 1992 RARDE List ; Laboratory/Press House No.5	
PHOTOGRAPHY HISTORIC WASC 1448 From North mid/late 1940's WASC 1748 From North		PHOTOGRAPHY RCHME 1) 206/J/30 from South 206/J/31 From South West 206/R/30 From South East	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: L112, L113, L117, L155, L160			
CONDITION Fair			

TEXTBOOK OF EXPLOSIVES 1938 H.M.S.O. CHAP XV P.99-111. 1795 15.2-9.

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL
Brick

- 2) ROOF MATERIALS AND STRUCTURE
Timber boards covered in felt

- 3) POWER SOURCE
Steam Electricity

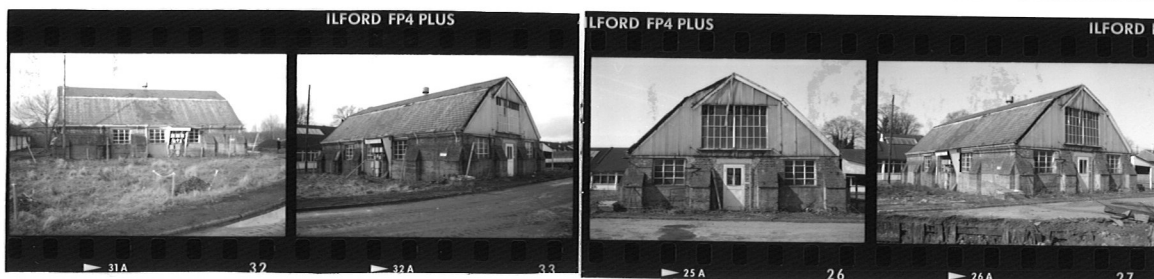
- 4) DIMENSIONS i) L 61.0 ii) W 9.74 iii) HT Eave 3.45

- 5) The building is single storeyed with a rectangular ground plan. It has gable walls on the north and south side. It is divided into seven bays by five internal partition walls in English bond. No evidence was seen in the walls for the presence of bearing boxes. The windows along the west wall may have been inserted. A timber leanto corridor has been added to the eastern side.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER L160	OLD SERIES 173	RCHME NUMBER	N.G.R. TL 37820 01156
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NAME/FUNCTION Coal Store Charcoal Picking House Office/Laboratory/CMJ House	START DATE 1887 1900? 1951	END DATE 1900? 1951
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CARTOGRAPHIC DEPICTION

1897 WASC 900/53C
c1910 WASC 900/65 ; Coal Store
c1910 WASC 900/79 ; Coal Store
1917 WASC 900/70 ; C.M.J. House
1917 WASC 900/72 ; 175
1919 WASC 900/74 ; 175
c1920 WASC 900/80 ; 175
1923 WASC 900/84 ; 175
>1940 WASC 900/91A ; L160
1954 A - B.34 ; L160
c1960 WASC 900/94 ; L160
c1963 WASC 900/97 ; L160
1972 WASC 900/102 ; L160
1972 WASC 900/104 ; L160
1976 WASC 900/113 ; L160

DOCUMENTARY REFERENCES

Plans;
L160 B01 - B05 ; Plans and Elevations 1891 to 1947
1908 RGPF Ledger WASC 1509 + WASC 1764 ;
Charcoal Picking House
c1925 RGPF Ledger WASC 1680 ; Charcoal Picking
House
c1945 RGPF Ledger WASC 1508 ; Charcoal Picking
House
1972 ERDE List ; Office and Laboratory/CMJ House
1991 Mott McDonald survey
1992 RARDE List ; Office and Laboratory/CMJ House

PHOTOGRAPHY HISTORIC

PHOTOGRAPHY RCHME

- 206/J/32 From South
206/J/33 From South West
206/R/26 Eastern elevation
206/R/27 From South East
- BB92/26101 From South East

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: L159

CONDITION Fair

DESCRIPTION

- 1) **CONSTRUCTIONAL MATERIAL**
Concrete and Brick
- 2) **ROOF MATERIALS AND STRUCTURE**
Gabled Gambrel roof with slates and ridge tiles supported on Queen post trusses.
- 3) **POWER SOURCE**
Electricity
- 4) **DIMENSIONS** i) L 16.75 ii) W 10.64 iii) HT Eave 2.75
- 5) The building is single storeyed with a rectangular ground plan. The base of the building is cast concrete over which is a upper brick wall. The gables of the building are covered by corrugated iron with a large window in the centre. The building is supported by integral buttresses in concrete and brick there are six on the south and north sides and four on the east and west elevations. Three windows have been inserted into the north and south elevations while two windows and a door have been inserted into the east and west elevations. The interior has been divided into office accommodation, most of the interior is covered by an inserted suspended ceiling.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER L161	OLD SERIES 174	RCHME NUMBER	N.G.R. TL 37870 01147
NAME/FUNCTION Boat Builders Shed Garage/Metal Store		START DATE 1885 1969	END DATE 1969
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION 1897 WASC 900/53C c1910 WASC 900/65 ; Boat Builders Shed c1910 WASC 900/79 ; Boat Builders Shed 1917 WASC 900/70 ; Boat Builder Shed 1917 WASC 900/72 ; Boat Builder Shed 1919 WASC 900/74 ; 174 c1920 WASC 900/80 ; 174 1923 WASC 900/84 ; 174 > 1940 WASC 900/91A ; L161 1954 A - B.34 ; L161 c1960 WASC 900/94 ; L161 c1963 WASC 900/97 ; L161 1972 WASC 900/102 ; L161 1972 WASC 900/104 ; L161 1976 WASC 900/113 ; L161		REFERENCES Plans; L161 B01 - B13 ; Plans and Elevations 1885 to 1972 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Boat Builders Shed c1925 RGPF Ledger WASC 1680 ; Boat Builders Shed c1945 RGPF Ledger WASC 1508 ; Boat Builders Shed 1972 ERDE List ; Garage/Metal Store 1991 Mott McDonald survey 1992 RARDE List ; Garage/Metal Store	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: L127, L162, L163, L197			
CONDITION Demolished			
DESCRIPTION 5) Site unavailable for inspection beneath rubble grader			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER L162	OLD SERIES 175	RCHME NUMBER	N.G.R. TL 37850 01138
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NAME/FUNCTION Charcoal Picking House Labour Pool Store, Green Houses 1/2	START DATE 1887 197?	END DATE 197?
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NO PHOTOGRAPHY
AVAILABLE

CARTOGRAPHIC DEPICTION

1897 WASC 900/53C
c1910 WASC 900/65 ; Charcoal Picking House
c1910 WASC 900/79 ; Charcoal Picking House
1917 WASC 900/70 ; Charcoal Picking House
1917 WASC 900/72 ; 175b
1919 WASC 900/74 ; 175b
c1920 WASC 900/80 ; 175b
1923 WASC 900/84 ; 175b
> 1940 WASC 900/91A ; L162
1954 A - B.34 ; L162
c1960 WASC 900/94 ; L162
c1963 WASC 900/97 ; L162
1972 WASC 900/102 ; L172
1972 WASC 900/104 ; L162
1976 WASC 900/113 ; L162

DOCUMENTARY REFERENCES

Plans;
L162 B01, B02 ; Plans and Elevations 1886 to 1980

1908 RGPF Ledger WASC 1509 + WASC 1764 ;
Charcoal Picking House
c1925 RGPF Ledger WASC 1680 ; Charcoal Picking
House
c1945 RGPF Ledger WASC 1508 ; Charcoal Picking
House

1972 ERDE List ; Labour Pool Store
1991 Mott McDonald survey
1992 RARDE List ; Labour Pool Store, Green Houses
1/2

PHOTOGRAPHY
HISTORIC

PHOTOGRAPHY
RCHME

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: L127, L161, L163, L197


CONDITION Demolished


DESCRIPTION

Site unavailable for inspection beneath dump.

ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER L163	OLD SERIES	RCHME NUMBER	N.G.R. TL 37878 01138
NAME/FUNCTION Concrete Air Raid Shelter		START DATE 1940	END DATE
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION c1960 WASC 900/94 ; L163 c1963 WASC 900/97 ; L163 1972 WASC 900/102 ; L163 1972 WASC 900/104 ; L163 1976 WASC 900/113 ; L163		DOCUMENTARY REFERENCES 1972 ERDE List ; Concrete Air Raid Shelter 1991 Mott McDonald survey 1992 RARDE List ; Concrete Air Raid Shelter	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: L127, L161, L162, L197			
CONDITION Demolished			
DESCRIPTION Site unavailable for inspection beneath dump.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER L164	OLD SERIES	RCHME NUMBER	N.G.R. 37706 01280
NAME/FUNCTION Oven Room nr L148		START DATE 1959	END DATE
			
CARTOGRAPHIC DEPICTION c1960 WASC 900/94 ; L164 c1963 WASC 900/97 ; L164 1972 WASC 900/102 ; L164 1972 WASC 900/104 ; L164 1976 WASC 900/113 ; L164		DOCUMENTARY REFERENCES Plans; L164 B01,B02 ; Plans and Elevations 1959 to 1975 1972 ERDE List ; Oven Room near L148 1991 Mott McDonald survey 1992 RARDE List ; Oven Room near L148	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME 1) 206/M/2 From South East	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: L148, L144, L150			
CONDITION Good			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Brick 2) ROOF MATERIALS AND STRUCTURE Corrugated Asbestos 3) POWER SOURCE Electricity 4) DIMENSIONS i) L 6.06 ii) W 2.67 iii) HT 2.7 5) The building is single storeyed, rectangular in plan with a single pitch gabled roof. The south west and north elevations are built of brick and are blank. Attached to the south wall is a thermometer reading 0-100*c and a sign reading 'Explosives ...lbs'. The eastern side consists of a metal frame with a corrugated asbestos covering over, with double louvered doors to the north and a single door to the south. The interior is lined with concrete shelves each with a plug point. Two blackboards on the inside have the following written on them 'Oven No 1-4'.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER L165	OLD SERIES 190a	RCHME NUMBER	N.G.R. TL 37712 01086
NAME/FUNCTION Mineral Jelly Store No 2		START DATE 1914-17? 1898?	END DATE
			
CARTOGRAPHIC DEPICTION 1919 WASC 900/74 c1920 WASC 900/80 1923 WASC 900/84 > 1940 WASC 900/91A 1954 A - B.34 ; L165 c1960 WASC 900/94 ; L165 c1963 WASC 900/97 ; L165 1972 WASC 900/102 ; L165 1972 WASC 900/104 ; L165 1976 WASC 900/113 ; L165		DOCUMENTARY REFERENCES Plans; L165 B01,B02 ; Plans and Elevations 1916 c1925 RGPF Ledger WASC 1680 ; Mineral Jelly Store No.2 c1945 RGPF Ledger WASC 1508 ; Mineral Jelly Store No.2 1972 ERDE List ; Laboratory 1991 Mott McDonald survey 1992 RARDE List ;Mineral Jelly Store	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME 1) 206/J/14 From South West 206/R/32 From South East 206/R/33 Metal doors on North wall from West 2) BB92/26080 From South West BB92/26081 From North East	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: The Incorporation of Cordite			
CONDITION Good			

DESCRIPTION

- 1) **CONSTRUCTIONAL MATERIAL**
Brick
- 2) **ROOF MATERIALS AND STRUCTURE**
Slate over timber boards with tie beam trusses
- 3) **POWER SOURCE**
Electricity
- 4) **DIMENSIONS** i) L 9.5 ii) W 5.7 iii) HT 6.0
- 5) The building is single storeyed with a rectangular ground plan, it has gabled ends to the north and south. On the west elevation are two double doors giving into the two internal rooms. Each of these rooms is lit by cast iron framed window on the eastern side. The south elevation is featureless. Built into the northern wall and enclosed by a timber framed shed are four iron lockers closed by iron doors. These lockers were apparently served from the northern room of the building.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER
L166

OLD SERIES

RCHME NUMBER

N.G.R.
TL 37700 01436

NAME/FUNCTION
Laboratory & Office Adjoining L134,137

START DATE
1969-70?

END DATE

NO PHOTOGRAPHY
AVAILABLE

CARTOGRAPHIC DEPICTION

c1963 WASC 900/97 ; L166
1972 WASC 900/102 ; L166
1972 WASC 900/104 ; L166
1976 WASC 900/113 ; L166

DOCUMENTARY REFERENCES

Plan;
L166 B01 - 9/2/1970 ; Office Building Linking L137 & L134

1972 ERDE List ; Laboratories and Offices
1991 Mott McDonald survey
1992 RARDE List ; Laboratories and Offices

1992 FBRC ; Offices

PHOTOGRAPHY
HISTORIC

PHOTOGRAPHY
RCHME

RELATIONSHIPS WITH OTHER MONUMENTS
ABUTTS: L134 and L137

CONDITION Good

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL
Timber Frame
- 2) ROOF MATERIALS AND STRUCTURE
Felt
- 3) POWER SOURCE
Electricity
- 4) DIMENSIONS i) L 20.2m ii) W iii) HT Eave 2.73m
- 5) The building is a modern prefabricated structure with a rectangular ground plan. It joins L134 to L137.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER L167	OLD SERIES 180	RCHME NUMBER	N.G.R. TL 37772 01128
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NAME/FUNCTION Dining Room & Mineral Jelly Store Glass & Chemical Store	START DATE 1889 (dining room 1906-7) 195?	END DATE 195?
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CARTOGRAPHIC DEPICTION

1897 WASC 900/53C
c1910 WASC 900/65 ; Dining Room & Mineral Jelly Store
c1910 WASC 900/79 ; Dining Room & Mineral Jelly Store
1917 WASC 900/70 ; Dining Room & Mineral Jelly Store
1917 WASC 900/72 ; 180
1919 WASC 900/74 ; 180
c1920 WASC 900/80 ; 180
1923 WASC 900/84 ; 180
> 1940 WASC 900/91A ; L167
1954 A - B.34 ; L167
c1960 WASC 900/94 ; L167
c1963 WASC 900/97 ; L167
1972 WASC 900/102 ; L167
1972 WASC 900/104 ; L167
1976 WASC 900/113 ; L167

DOCUMENTARY REFERENCES

Plans;
L167 B01 - B03 ; Plans and Elevations 1888 to 1952
1908 RGPF Ledger WASC 1509 + WASC 1764 ; Dining Room and Mineral Jelly Store
c1925 RGPF Ledger WASC 1680 ; Dining Room and Mineral Jelly Store
c1945 RGPF Ledger WASC 1508 ; Dining Room and Mineral Jelly Store
1972 ERDE List ; Glass and Chemical Store
1991 Mott McDonald survey
1992 RARDE List ; Glass and Chemical Store
1993 RCHME NBR No.91453

PHOTOGRAPHY HISTORIC

PHOTOGRAPHY RCHME

- 1) 206/J/10 From South West
206/R/23 Chemical & glassware store from South East
- 2) BB92/26080 From South West
BB92/26084 From North West
BB92/26085 From South West
- 3) 225/C/14-5 South elevation
225/C/16 South West

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH:

CONDITION Good

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER L168	OLD SERIES 195	RCHME NUMBER	N.G.R. TL 37720 01050
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NAME/FUNCTION Millwrights, Engineers Store Engine House Stores/Machine Shop Store Whiskers Factory	START DATE 1857-1859 1881 1900? 1965?	END DATE 1881 1900? 1965?
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CARTOGRAPHIC DEPICTION

1861-1868 WASC 900/10A ; 71,72,75
 1865 WASC 900/13 ; Incomp Mills/ Engine Room / Millwrights Shed
 1865 WASC 900/14 ; Engine Room / Millwrights Shed
 1865 WASC 900/38 + SUPP5 975 ; Engine Room / Millwrights Shed
 1865 WASC 900/41A
 1865 WASC 900/42
 1897 WASC 900/53C
 c1910 WASC 900/65 ; Machinery Shop
 c1910 WASC 900/79 ; Machinery Shop
 1917 WASC 900/70 ; Machinery Shop
 1917 WASC 900/72 ; 195
 1919 WASC 900/74 ; 195
 c1920 WASC 900/80 ; 195
 1923 WASC 900/84 ; 195
 >1940 WASC 900/91A ; L168
 1954 A - B.34 ; L168
 c1960 WASC 900/94 ; L168
 c1963 WASC 900/97 ; L168
 1972 WASC 900/102 ; L168
 1972 WASC 900/104 ; L168
 1976 WASC 900/113 ; L168

DOCUMENTARY REFERENCES

Plans;
 L168 B01 - B15 ; Plans and Elevations 1856 to 1966
 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Machinery Shop, Motor Room
 c1925 RGPF Ledger WASC 1680 ; Machinery Shop, Motor Room
 c1945 RGPF Ledger WASC 1508 ; Machinery Shop, Motor Room
 1972 ERDE List ; BWD and acceptance Stores
 1991 Mott McDonald survey
 1992 RARDE List ; Stores/Machine Shop Store
 Illustrated London News June 8th 1861
 Gunpowder Explosion Near Waltham

PHOTOGRAPHY**HISTORIC**

WASC 1467 Convs to Whisker factory mid 1960's x3

PHOTOGRAPHY**RCHME**

- 1) 206/J/15 From South West
206/L/9 From East
206/R/20 Millwrights shop from South West
206/R/21 Engine house from South East
- 2) BB92/26077 From North
BB92/26078 From East
BB92/26144 From North
BB92/26145 From North
- 3) 225/B/26-29 Exterior views
225/B/31 Exterior view
225/B/32-5 Roof details
225/B/36 Interior showing columns
225/C/2-4 Roof details

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: L169, L170a, L176 UNDERLIES:

CONDITION Good

DESCRIPTION

- 1) **CONSTRUCTIONAL MATERIAL**
Brick
- 2) **ROOF MATERIALS AND STRUCTURE**
Slate over Iron frame
- 3) **POWER SOURCE**
Electricity
- 4) **DIMENSIONS** i) L 22.45 ii) W 19.5 iii) HT 6.0
- 5) A stone on the north side of the engine house is inscribed 'Erected 1857'.

See attached RCHME Threatened Buildings Section report.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER L169	OLD SERIES 194	RCHME NUMBER	N.G.R. TL 37750 01060
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NAME/FUNCTION Group A Incorp. Mills Press House No. 6 Press House Group A Store/ Press House	START DATE 1857 1898? 1955	END DATE 1898? 1955
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NO PHOTOGRAPHY
AVAILABLE

CARTOGRAPHIC DEPICTION

1861-1868 WASC 900/10A
 1865 WASC 900/13 ; Incorp Mills
 1865 WASC 900/14 ; Group A Incorp. Mills
 1865 WASC 900/38 + SUPP5 975 ; Group A Incorp. Mills
 1865 WASC 900/41A ; Group A Incorp. Mills
 1865 WASC 900/42
 1897 WASC 900/53C
 c1910 WASC 900/65 ; Press House Group A
 c1910 WASC 900/79 ; Press House Group A
 1917 WASC 900/70 ; Press House No.6
 1917 WASC 900/72 ; 194
 1919 WASC 900/74 ; 194
 c1920 WASC 900/80 ; 194
 1923 WASC 900/84 ; 194
 > 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

REFERENCES

Plans;
 L169 B01 - B25 ; Plans and Elevations 1856 to 1964
 1908 RGPF Ledger WASC 1509 + WASC 1764 ; Press House Group A
 c1925 RGPF Ledger WASC 1680 ; Press House Group A
 c1945 RGPF Ledger WASC 1508 ; Press House Group A
 1972 ERDE List ; Store and Press House
 1991 Mott McDonald survey
 1992 RARDE List ; Store and Press House
 Illustrated London News June 8th 1861 p519
 Gunpowder Explosion Near Waltham

PHOTOGRAPHY
HISTORIC

PHOTOGRAPHY
RCHME

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: L168, L170A, L176

CONDITION Demolished

52

DESCRIPTION

1) CONSTRUCTIONAL MATERIAL
Brick and Concrete

4) DIMENSIONS i) L 42.3 ii) W 23.3

5) The latest building on the site was demolished in 1992 a concrete floor slab remains.

Historic artefacts - It is thought unlikely that the underground central machine drive shaft tunnel survives for its full height. As a semi-circular blocked opening, ~~the entrance to the subfloor shaft?~~, is visible on the east wall of L168. However if slab L169 is lifted the base of the shaft and some remains of the gunpowder mills drive shaft may be encountered.

↓ relieving arch.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER L170a	OLD SERIES 192	RCHME NUMBER	N.G.R. TL 37781 01095
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NAME/FUNCTION No.1 Rework Magazine/ Experimental Stove Dough Store No.4 Magazine	START DATE 1857 1898? 1946?	END DATE 1898? 1946?
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CARTOGRAPHIC DEPICTION

1861-1868 WASC 900/10A
 1865 WASC 900/13 ; Magazine
 1865 WASC 900/14 ; Magazine
 1865 WASC 900/38 + SUPP5 975 ; Magazine
 1865 WASC 900/41A
 1865 WASC 900/42
 1897 WASC 900/53C
 c1910 WASC 900/65 ; Rework Magazine
 c1910 WASC 900/79 ; Rework Magazine
 1917 WASC 900/70 ; Dough Store No.4
 1917 WASC 900/72 ; 192
 1919 WASC 900/74 ; 192
 c1920 WASC 900/80 ; 192
 1923 WASC 900/84 ; 192
 > 1940 WASC 900/91A ; L170
 1954 A - B.34 ; L170
 c1960 WASC 900/94 ; L170
 c1963 WASC 900/97 ; L170
 1972 WASC 900/102 ; L170
 1972 WASC 900/104 ; L170
 1976 WASC 900/113 ; L170

DOCUMENTARY REFERENCES

1908 RGPF Ledger WASC 1509 + WASC 1764 ;
 Rework Magazine
 c1925 RGPF Ledger WASC 1680 ; Rework Magazine
 c1945 RGPF Ledger WASC 1508 ; Rework Magazine

 1972 ERDE List ; Store Shed
 1991 Mott McDonald survey
 1992 RARDE List ; Store Shed

Illustrated London News June 8 1861 p519 engraving
 showing explosion in L169

PHOTOGRAPHY HISTORIC

PHOTOGRAPHY
 RCHME
 1) 206/J/12 From South West
 206/T/31 From West

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: L126, H17, H31

CONDITION Good

DESCRIPTION

- 1) **CONSTRUCTIONAL MATERIAL**
Brick
- 2) **ROOF MATERIALS AND STRUCTURE**
Felt over timber boards supported on RSJ
- 3) **POWER SOURCE**
Electricity
- 4) **DIMENSIONS** i) L 4.4 ii) W 14.5 iii) HT 3.45
- 5) The magazine is a single storeyed building with a rectangular ground plan and gabled ends to the east and west. It is entered through a raised door on the north side formerly served by a railway on a trestle. There is a single window on the east elevation. The building has a brick vault with a slate roof over.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER
L170

OLD SERIES

RCHME NUMBER

N.G.R.
TL 37776 01094
TL 37781 01095

NAME/FUNCTION
Sewer Pump House

START DATE

END DATE



CARTOGRAPHIC DEPICTION

c1960 WASC 900/94 ; L170
c1963 WASC 900/97 ; L170
1972 WASC 900/102 ; L170
1972 WASC 900/104 ; L170
1976 WASC 900/113 ; L170

DOCUMENTARY REFERENCES

1972 ERDE List ; Sewer Pump House
1991 Mott McDonald survey
1992 RARDE List ; Sewer Pump House

PHOTOGRAPHY HISTORIC

PHOTOGRAPHY RCHME

1) 206/J/11 From South West
206/R/31 Pump House from South West

RELATIONSHIPS WITH OTHER MONUMENTS

ASSOCIATED WITH: L168, 1169, L176

CONDITION Good

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL
Brick in english bond
- 2) ROOF MATERIALS AND STRUCTURE
Slate over Brick vault
- 4) DIMENSIONS i) L 4.15 ii) W 3.8 iii) HT 4.1
- 5) The pump house is a single storey building. The building is sited a low mound and concrete slab. It bis entered through a single blue door on the south elevation and is lit by a window on the north wall.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY			
NUMBER L172	OLD SERIES	RCHME NUMBER	N.G.R. TL 37786 01072
NAME/FUNCTION Store		START DATE	END DATE
NO PHOTOGRAPHY AVAILABLE			
CARTOGRAPHIC DEPICTION 1954 A - B.34 ; L172 c1960 WASC 900/94 ; L172 c1963 WASC 900/97 ; L172 1972 WASC 900/102 ; L172 1972 WASC 900/104 ; L172 1976 WASC 900/113 ; L172		DOCUMENTARY REFERENCES Plan; L172 Bo1 - 22/5/1957 ; Detail 1972 ERDE List ; Store 1991 Mott McDonald survey 1992 RARDE List ; Store	
PHOTOGRAPHY HISTORIC		PHOTOGRAPHY RCHME	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH:			
CONDITION Demolished			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Brick wall 4) DIMENSIONS i) L 12.8 ii) W 7.6 5) The building has been demolished a concrete floor slab remains.			

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER L173	OLD SERIES	RCHME NUMBER	N.G.R. TL 37694 01036
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NAME/FUNCTION Telephone Exchange	START DATE 1952?	END DATE
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CARTOGRAPHIC DEPICTION

c1960 WASC 900/94 ; L173
c1963 WASC 900/97 ; L173
1972 WASC 900/102 ; L173
1972 WASC 900/104 ; L173
1976 WASC 900/113 ; L173

DOCUMENTARY REFERENCES

Plans;
L173 B01 - B08 ; Plans and Elevations 1952-3

1972 ERDE List ; Disused Telephone Exchange
1991 Mott McDonald survey
1992 RARDE List ; Disused Telephone Exchange

PHOTOGRAPHY HISTORIC

PHOTOGRAPHY RCHME

RELATIONSHIPS WITH OTHER MONUMENTS



ASSOCIATED WITH:

CONDITION Demolished

DESCRIPTION

- 1) CONSTRUCTIONAL MATERIAL
Brick walls
- 3) POWER SOURCE
Electricity
- 4) DIMENSIONS i) L 12.2 ii) W 13.0
- 5) The building, T shaped in plan, was demolished in 1992 a concrete slab remains.

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY

NUMBER L174	OLD SERIES L157/2	RCHME NUMBER	N.G.R. TL 37747 01181
NAME/FUNCTION Magazine		START DATE 1959	END DATE
<div style="display: flex; justify-content: space-around; align-items: center;">   </div>			
CARTOGRAPHIC DEPICTION c1960 WASC 900/94 ; L174 c1963 WASC 900/97 ; L174 1972 WASC 900/102 ; L174 1972 WASC 900/104 ; L174 1976 WASC 900/113 ; L174		DOCUMENTARY REFERENCES Plans; L174 B01,B02 ; Plans and Elevations 1959,1982 1972 ERDE List ; Magazine 1991 Mott McDonald survey 1992 RARDE List ; Magazine	
PHOTOGRAPHY HISTORIC		PHOTGRAPHY RCHME 1) 206/J/26 From South	
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: L157			
CONDITION Good			
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Brick in flemish bond 2) ROOF MATERIALS AND STRUCTURE Flat concrete slab 3) POWER SOURCE Electricity and steam heating 4) DIMENSIONS i) L 2.29m ii) W 2.29m iii) HT 2.55m 5) The building is single storyed with a square ground plan. It has a single red door on the west side and the building is protected by a copper earth wire.			

