#### EXPLANATORY NOTES -

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v. The detail of buildings and distances shown below should be checked to ensure no change has taken place before

stablish	WAL	THAM ABBET	Y ESSEX			(If	ding No. grouped dings. g		r rooms or ls)
s <b>e</b>	Traver Untrav State	tive State - sed (T) or ersed (U) - type of Trave nstruction of no. walls and	erse, f	Hazard Divisions	Compatiblity Groups	Man Li (Note	imit M&N		D losive Limit te ii) (Kgs)
Explos house	sives weighing T,	Earth 9" te roof	brick	1.1	D	М3	N2		700
this i	s to replace an existing l	imit, please	state da	te present	limit approved.	18	11 68	Workers	
tory otes ,	Factor influencing Explosives limit	Distance in Metres 2	Num	ber and use	of building		T or U	present M & N 5	For C.S.O. use
iii	Inside Perimeter Fence A. Nearest Explosives Storage Unit (a) traversed (b) untraversed	47	R602	Storage	of Wet Past	e	T	M4N2	
iv	B. Main Office	280	N505	Telephon	e Exchange/	Offic	esU	M 14	
iv	C. Main Engineering Workshop	275	M331	Electric	ians Wkshop		U	M 12	
A	D. Nearest Explosives Process Building (a) traversed and (b) untraversed	55		Cordite Graphiti	Rumbling &		T	M3N2	
iv)	E. Give numbers of all occupied non-explosiv buildings within the OQD and give details at 1 overleaf								
	Outside Perimeter Fence								
,	F. Nearest building (dwelling house, church, etc.)	<b>&gt;</b> 400							
	G. Nearest road, railway, canal, river.	<b>&gt;</b> 400	0	7					
ate	2 2 JUN 1981	Signature	BH	Newma	u _			. Head of	Establishmen
ır el axed	l Explosive Limits (leave b		s use)	- 70	70 Kep				
	Stgnature		0.047.470.470	oT	From				
*		A CONTRACTOR OF THE PROPERTY OF THE PARTY OF	ENCES SAN PROPERTY	NJ	CALL THE COLUMN TO WHEEL THE PARTY OF			AND THE PROPERTY OF	1.5

	se	Distance in metres	T or	Workers present M & N	Remarks	Leave this co	lumn for C.S.O
(62-		~\$			~		
						= ***	
					- de .	a nE â	,
	U . 02 E ' L						
				t Fire Risk	Classifica	tion?	YES.
Relaxation approved			lishmen	t Fire Risk	Classifica		YES.
Is the fire cover in acco Relaxation approved Hazard Division		ommended Estab	lishmen	t Fire Risk	Classifica	tion? Signature	YES.
Relaxation approved azard ivision		ommended Estab	lishmen d			Signature	<b>≻€5.</b>
Relaxation approved	rdance with the rec	ommended Estab	lishmen d To			Signature ficer	<b>YES.</b>

Chief Safety Officer

#### EXPLANATORY NOTES -

- 1. Both the maximum permitted Man Limit (H) and the number normally present (N) are required.
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Establish	uesting an extension ment - PERM	ME Wa	ltham Abb				(If	lding No. grouped	with oti	ner rooms or
	orage of Dry	Traver: Untrave	tive State - sed (T) or ersed (U) - type of Trave astruction of ng. valls and	erse,	Hazard Divisions	Compatiblity Groups	Man L (Note	imit M&N		xplosive Limit Note ii) (Kgs)
Past	orage of Dry te & NC.	T, 9" Zinc	earth brick sheet co per roof	ated	1.1.	מ		NO		700
f this i	s to replace an ext		imit, please	Г		pper annual description of the control of the control of the	14	<b>-8-81</b>	Workers	
atory notes ,	Factor influencing Explosives limit		Distance in Metres	Num		of building		TorU	present M & N 5	For C.S.O. use 6
111	1 2			R 601 Explosive Weighing				т	M3NO	
iv	B. Main Office		300	N505	Telephon	e Exch, Off	ices	U	M14	
iv	C. Main Engineeri Workshop	ng	265	M331	Electric	ians Worksh	юр	U	M12	
	D. Nearest Explos Process Buildi (a) traversed (b) untravers	ng and	68	М 344	Shatter Stan	Test Proof		Ü	M2N1	
iv)	E. Give numbers o occupied non-e buildings with the OQD and gi details at 1 o	fall xplosiv in		Nil			gate a gata ang gata ay gata ay gata			
	Outside Perimeter F. Nearest buildin (dwelling house church, etc.)	Fence g	>400		3	8 .				
	G. Nearest road, railway, canal		400	Grid						
	river.								L	

# PROPOSED LIMITS APPROVED

1				
	_	18-0-81		1) Imileis.
Ì	Jate	(0,1,0)	Chief Safety Officer	W. Annew
ì			and and the contract	************************************
ı	_			

See overleaf for relaxations (where appropriate)

Building No.	Use	Distance in metres	T or	Workers present H & H	Remarks	Leave this column for C.S.O
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						8
					,	, 11
-						29117
				*4	- ·	
					3. "	
						0.5
				* -		
le the fi	re cover in accordance with the	acommended Fet	ahl i chan	t Fina Rich	Classifica	tion?
	re cover in accordance with the r	ecommended Esta	eblishmen	t Fire Risk	: Classifica	tion? yes
Is the fi		ecommended Esta		t Fire Risk	Classifica	J. yes
Relaxatio Hazard				t Fire Risk	Classifica	tion? yess Signature
Relaxatio Hazard Division		Per	od		Classifica	J. yes
Is the fi Relaxatio Hazard Division		Per	od		Classifica	J. yes
Is the fi Relaxatio Hazard Division		Per	od			Signature
Relaxatio Hazard Division		Per	od		Classifica	Signature
Relaxatio Hazard Division		Per From	od			Signature
Is the fi Relaxation Hazard Division Limit (Kgs)		Peri From	od To			Signature
Relaxation Hazard Division Limit (Kgs) Relaxation	n approved	Per From	od To		ef Safety Of	Signature
Relaxation Hazard Division Limit (Kgs) Relaxation	Extended (See Note v).	Peri From	od To		ef Safety Of	Signature  ficer Date
Relaxation Hazard Division Limit (Kgs)  Relaxation Hazard Division	n approved	Per From	od To		ef Safety Of	Signature  ficer Date
Relaxatio Hazard Division Limit (Kgs)	Extended (See Note v).	Per From	od To	Chie	ef Safety Of	Signature  Signature

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- 50,00

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		ltham Abbey		X.		(If	lding No. grouped ldings. g	with o	ther rooms	or
Us <b>e</b>		ective State - ersed (T) or					PRO	POS	E D	
	Untr								losive Limit te ii) (Kgs)	
Stor Past	e of Dry T,	Earth Brick no sheet co		1.1	D	М4	NO		1600	0
lf this i	s to replace an existing	limit, please	state da	te present	limit approved.	18	.11.68			
explan- atory notes ,	Factor influencing Explosives limit	Distance in Metres	Numt	per and use	of building		T or U	Worke prese M &	nt For C	е
îîî	Inside Perimeter Fence A. Nearest Explosives Storage Unit (a) traversed (b) untraversed	50	R602	Storage	of Wet Pas	te	T	M41		
iv	B. Main Office	320	N505	Telephor	ne Exch, Of	fices	U	M14	4	
iv	C. Main Engineering Workshop	260	M331.	Electric	cians Works	nop	U	M1:	2	
	D. Nearest Explosives Process Building (a) traversed and (b) untraversed	70	M350	Oblique	Impact Fac:	ility	Т	M31	N2	
iv)	E. Give numbers of all occupied non-explosional buildings within the OQD and give details at 1 overles									
	Outside Perimeter Fence F. Nearest building (dwelling house, church, etc.)	<b>&gt;</b> 400								
	G. Nearest road, railway, canal, river.	335	Grid	2						
Date	2.2 JUN 19.81	. Signature	1/2	HNews	uan .			. Head	of Establ	ishme
Unrelaxed	Explosive Limits (leave	blank for CSO'	s use)							
		14	01010	16	00 Kep					
	Signafure		5187 WOMAN 1118	oT	From	The state of the s	obsoletik www.ne.es.Con/time.com		and provided the state of the s	notai
Acceptangua, as contitue a stance		achie nomine establication his environmentalism			ImRes					÷7

1. Details of Buildings shown at E overleaf. (A sketch of the area should be attached) Distance T or Workers Building Use Leave this column for C.S.O. Remarks present in No. M & N U metres 9110 Brief reference to any factors influencing the relaxation such as special procedures or written instructions that counter the additional potential hazard of the building:-Is the fire cover in accordance with the recommended Establishment Fire Risk Classification? YES. 4. Relaxation approved

Hazard	Perio	d	C. I			
Division	From -	To	Signature			
Limit (Kgs)						
		112	Chief Safety Officer			
	3.2		Date			
			**************************************			

Relaxation Extended (See Note v).

Hazard	Per	iod	C: 1
Hazard Division	From	To	Signature
Limit (Kgs)	S	W)	Chief Safety Officer Date

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Establish	PERME WALTHAM				*	(If	ding No. grouped dings. g	with oth	er rooms or
Us <b>e</b>		tective State - versed (T) or						POSE	
Untraversed (U) - State type of Trav and construction o building, walls an			erse, f d roof	Hazard Divisions			imit M&N i)		plosive Limit ote ii) (Kgs)
Explos house	ives Store- T,	Earth Brick F Roof		1.1	D	М4	NO		2000
lf this i	is to replace an existing	limit, please	state da	te present	limit approved.	3.7	7.72		
explan- atory notes ,	Factor influencing Explosives limit	Distance in Metres	1		of building		TorU	Workers present M & N	For C.S.O.
iii	Inside Perimeter Fence	2		3			4	5	6
111	A. Nearest Explosives Storage Unit (a) traversed (b) untraversed	50	R603	Storage	of Dry Pas	te	T	M4NO	
iv	B. Main Office	355	N505	Telephor	ne Exch, Of	fices	U	M14	
iv	C. Main Engineering Workshop	267			cians Worksl	υ	M12		
	D. Nearest Explosives Process Building (a) traversed and (b) untraversed	82	М350	Oblique	Impact Fac	ility	T	M3N2	
îv)	E. Give numbers of all occupied non-explose buildings within the OQD and give details at 1 overla	sive						1	
	Outside Perimeter Fend F. Nearest building (dwelling house, church, etc.)	375	Lock l	ceepersCo	ottage				
	G. Nearest road, railway, canal, river.	313 362		(Centre Javigatio					
Date	2 2 JUN 1981	Signature	5	H. Newsh	van			. Head o	f Establishmer
Jnrel axed	d Explosive Limits (leave				) and Ken			5	
	Signature	HO	1011)		LOOOKEP				
	a minimize	di majandiga yapunan ujuwakuniki katilwa ukhinikilini di katilakilini	DATE OF THE PERSON TO THE PERS	οT	From	ana eyezade Kweez	egra <b>di, kis</b> ngrad <u>a kinjartori pitro</u> kirkota	CONTRACTOR AND	TS 128
ate	14-8-81	Chief Safety Of		4	Junkees				+ 1

Building No.	Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this co	olumn for C.S.
	GD (AL.)		9		1 (2 3 ( <del>2</del> 1 ( 1 )		v1
	-, •, •						
	,1 2 (-9-1-	gro etc.	ne de la companyante				
	er in accordance with the					ation?	78.
Relaxation appro	er in accordance with the	recommended Est	ählishmen			ation?	78.
Relaxation aporo	er in accordance with the		ählishmen			stion?	78.
Relaxation appro	er in accordance with the	recommended Est	ahlishmen iod	t Fire Risk	: Classifica	Signature	78.
Relaxation appro Hazard Division Limit (Kgs)	er in accordance with the	recommended Est	ahlishmen iod	t Fire Risk	Classifica	Signature ficer	78.
Relaxation appro	er in accordance with the noved	Per From	iod To	t Fire Risk	Classifica	Signature ficer	78.
Relaxation appro	er in accordance with the noved	recommended Est Per From	ahlishmen iod To	t Fire Risk	Classifica	Signature ficer Date	78.

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Js <b>e</b>				ey Essex		(If	lding No. grouped ldings. a		r rooms or	
		tive State -						POSE		
	sed (T) or ersed (U) - type of Trave nstruction or no, walls and	erse, f d roof	Hazard Divisions	Compatiblity Groups	Man L (Note	imit M&N	Exp	losive Limit te ii) (Kgs)		
Explosives Store	T T	Earth		1.1	D	N	14. NO		1800	
house	Brick									
house 9" Bric B&F roo								-		
f this is to replace an	existing 1	imit, please	state da	te present	limit approved.		18,11,6			
xplan- utory Factor influe notes , Explosives 1		Distance in Metres 2	Num	ber and use	of building		T or U	workers present M & N 5	For C.S.O. use	
iii Inside Perimet A. Nearest Ex Storage Un (a) traver (b) untrav	plosives nit	50	R604	Explosiv	res Storehou	ise	Т	м4мо		
iv B. Main Offic	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, TH	390	N505	Telephon	e Exch, Off	ices	U	M14		
iv C. Main Engir Workshop	neering	282	M331	Ele <b>c</b> tric	ians Worksh	юр	U	M12		
D. Nearest Ex Process Bu (a) trave	ilding '	125	M350	Oblique	Impact Faci	lity	T	M3N2		
iv) E. Give number occupied rebuildings the OQD ar	non-explosiv within									
Outside Perin F. Nearest but (dwelling b church, etc	neter Fence 1 ding	330	Lock	keepers	cottage			-,-,-		
G. Nearest ro railway, o river.	canal,	260 222 307	The same of the sa	(Centre avigatio						
Date 22 JUN	1.19.81	Signature	SHI	Vewma	· · · · · · · · · · · · · · · · · · ·			. Head of	Establi shmer	

1800 Kep - (101 CH

Da	te 14-8-81	Chief Safety Officer	NImRees.
Sac	a overleaf for relevations (wh	one commonstate)	

1. Details of Buildings shown at E overleaf. (A sketch of the area should be attached) Distance Tor Workers Building Leave this column for C.S.O. Use present Remarks in No. M & N U metres Brief reference to any factors influencing the relaxation such as special procedures or written instructions that counter the additional potential hazard of the building:-Explosives stored in wooden boxes Is the fire cover in accordance with the recommended Establishment Fire Risk Classification? Yes 4. Relaxation approved Period Hazard Signature Division From To Limit (Kgs) Chief Safety Officer Date Relaxation Extended (See Note v). Period Hazard Signature Division To From Limit (Kgs)Chief Safety Officer

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		ERME Waltham		Essex		(If	lding No. grouped ldings. g	with othe	r rooms or ls)
Use	U S a	rotective State - raversed (T) or ntraversed (U) - tate type of Trav nd construction o uilding. walls an	erse,	Hazard Divisions	Compatiblity Groups	Man L (Note	imit M&N		D losive Limit te ii) (Kgs)
Prope	llant Storage	T, Earth 9" Brick B&F roof		1.1	С		M4 NO		1400
	s to replace an exist	ing limit, please	state da	te present	limit approved.	14.	. 5. 75		
Explan- atory notes ,	Factor influencing Explosives limit	Distance in Metres 2	Num	ber and use	of building		T or U	Workers present M & N 5	For C.S.O. use
111	Inside Perimeter Fen A. Nearest Explosive Storage Unit (a) traversed (b) untraversed		R607 Propellant Storage		ni fee	M4NO	7. 00(9.		
iv	B. Main Office	>400							
iv	C. Main Engineering Workshop	312	M331	Ele <b>c</b> trici	lans Worksh	op	υ	M12	
	Process Building (a) traversed a	130	Propos	sed 31b I	Firing Baci	lity	T	M3N2	
îv)	E. Give numbers of occupied non-exp buildings within the OQD and give details at 1 over	all losive rleaf							
	Outside Perimeter F F. Nearest building (dwelling house, church, etc.)	ence 280	Lock	keepers (	cot <b>t</b> age				
	G. Nearest road, railway, canal, river.	202 250		(Centre I avigation					

HO1.1C - 1400Kep

D	12-8-81	, Chief Safety Officer	NImRus.	••••	• • • • •
S	ee overleaf for relaxations (wh	nere appropriate)		×	

1. Details of Buildings shown at E overleaf. (A sketch of the area should be attached) Workers Distance Tor Building Leave this column for C.S.O. Use Remarks present in No. M & N U metres Brief reference to any factors influencing the relaxation such as special procedures or written instructions that counter the additional potential hazard of the building:-Explosives stored in wooden boxes Is the fire cover in accordance with the recommended Establishment Fire Risk Classification? Yes 4. Relaxation approved Period Hazard Signature Division From To Limit (Kgs) Chief Safety Officer

			16
Relaxation	F 1 1 1	(C N 1	1
Relayation	rytondad	LAPP NOTE	V/ I

Hazard	Per	riod	C		
Hazərd Division	From	To	Signature		
Limit (Kgs)					
(Hgo)			Chief Safety Officer		
			Date		

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Establish	nme <b>nt –</b>	*	Waltham A				(If			er rooms or ils)
Vs <b>e</b>			tive State -				PRO	POSE	D	
		Untrave State 1	sed (T) or ersed (U) - type of Trav nstruction o no. walls an	erse, f d roof	Hazard Divisions	Compatiblity Groups	Man L (Note	imit M&N i)		olosive Limit ote ii) (Kgs)
Propel	llant Storage	9" B	Earth rick roof		1.3	С	١	14 NO		4000
f this i	s to replace an exis	sting li	mit, please	state da	te present	limit approved.	12	2.8.81		
explan- atory notes,	Factor influencing Explosives limit		Distance in Metres 2	Numl	per and use	of building		T or U	Workers present M & N 5	For C.S.O. use 6
iii	Inside Perimeter Fo A. Nearest Explosi Storage Unit (a) traversed (b) untraversed	ives	50	R606 Propellant Storage			T	M4 NO		
iv	B. Main Office		>400							
iv	C. Main Engineerii Workshop	ng	350	M331 E	lectrici	ans Worksho	p	U	M12	
	D. Nearest Explosing Process Building (a) traversed	ng a <b>n</b> d	160	Propos	sed 31b F	iring Facil	ity	Т	M3 N2	
îv)	E. Give numbers or occupied non-ex buildings with the OQD and give details at 1 o	f all xplosiv in	3							
	Outside Perimeter F. Nearest building (dwelling house church, etc.)	Fence g	237	Lock k	keepers c	cottage				
	G. Nearest road, railway, canal river.	,	136 192	The state of the s	Centre L avigation	ACCES OF SECTION AND			-	
Date	16-4-84		Signature			AJB	elot	.pp.	. Head of	Establishmer

# PROPOSED LIMITS APPROVED

Date	23-7-85	Chief Safety	Officer	NJ un Rees
c			. \	

See overleaf for relaxations (where appropriate)

Brief reference to any factors influencing the relaxation such as special procedures or written instrument the additional potential hazard of the building:  Is the fire cover in accordance with the recommended Establishment Fire Risk Classification?  Relaxation approved    Period   Signature	lumn for C.S.O
Counter the additional potential hazard of the building:-  Is the fire cover in accordance with the recommended Establishment Fire Risk Classification?  Relaxation approved    Period	
counter the additional potential hazard of the building:-  Is the fire cover in accordance with the recommended Establishment Fire Risk Classification?  Relaxation approved  azard	
counter the additional potential hazard of the building:-  Is the fire cover in accordance with the recommended Establishment Fire Risk Classification?  Relaxation approved  Period From To  Chief Safety Officer Date  Paxation Extended (See Note v).	
counter the additional potential hazard of the building:-  Is the fire cover in accordance with the recommended Establishment Fire Risk Classification?  Relaxation approved  azard	
Relaxation approved  azard	euctions that
Period Signature From To  Chief Safety Officer Date	YES
Signature From To  Chief Safety Officer Date	
Signature From To  Chief Safety Officer Date	
Chief Safety Officer Date	
Pate Date elaxation Extended (See Note v).	
D	
azard Period Period	
From To	
imit Kgs) Chief Safety Officer	

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Establish	OCCUPATION OF THE PROPERTY OF		altham Abb	ey			(If	lding No. grouped wildings. ai	with other	er rooms or ls)
Use		Travers Untrave State t	tive State - sed (T) or ersed (U) - type of Trave nstruction of ng. walls and	erse, f	Hazard Divisions	Compatiblity Groups		PRO	P O S E	
Explos Store	sive ehouse	T, Ea			1.1 or 1.3	C & D		M3		700 or 4000
If this i	s to replace an exis	sting li	mit. please	state da	te present	limit approved.	. 1	3.12.79		
Explan- atory notes ,	Factor influencing Explosives limit		Distance in Metres			of building			Workers present M & N 5	For C.S.O. use
iii	Inside Perimeter Fe A. Nearest Explosi Storage Unit (a) traversed (b) untraversed	ves	51	R607	storage (	of propella	nt	T earth	М3	
iv	B. Main Office		480	R663	Section (	Office		U		
iv	C. Main Engineerir Workshop	ng	400	M331 I	Electric	ians Shop		U		
	D. Nearest Explosi Process Buildir (a) traversed (b) untraverse	ng and	200	R616				T earth	M3 N2	
îv)	E. Give numbers of occupied non-ex buildings withi the OQD and giv details at 1 ov	f all xplosiv in ve verleaf	•							
	Outside Perimeter F. Nearest building (dwelling house church, etc.)		285	Lock I	Keepers (	cottage				
	G. Nearest road, railway, canal, river.	,	188 115	Lea Na Grid	avigation	1				
terror and the second	16-4-84					Best	***************************************		-	

## PROPOSED LIMITS APPROVED

Date	24-7-85	Chief Safety Officer	NImReis	
See	overleaf for relaxations (who	ere appropriate)		

1. Details of Buildings shown at E overleaf. (A sketch of the area should be attached) T or Distance Workers Building Use Leave this column for C.S.O. Remarks present in No. M & N U metres Brief reference to any factors influencing the relaxation such as special procedures or written instructions that counter the additional potential hazard of the building:-Is the fire cover in accordance with the recommended Establishment Fire Risk Classification? Yes 4. Relaxation approved Period Hazard Signature Division To From Limit (Kqs)Chief Safety Officer Date Relaxation Extended (See Note v). Period Hazard Signature Division From To Limit (Kgs)Chief Safety Officer

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stablish	PE	ERME Waltham A		sex		(1f	lding No. grouped ldings. g		r rooms or ls)
Js <b>e</b>		Protective State -					PRO	POSE	D
	Į.	Traversed (T) or Jutraversed (U) = State type of Travend construction opuilding. walls an	erse, f d roof	Hazard Divisions	Compatiblity Groups	Man Li (Note	imit M&N	Exp	losive Limit të ii) (Kgs)
Explos house	sives Store-	T, Earth 9" Brick B&F roof		1.1	D	MZ	1NO		1600
f this i	s to replace an exist	ting limit, please	state da	te present	limit approved.	18	3.11.68		
explan- atory notes,	Factor influencing Explosives limit	Distance in Metres	T		of building		T or U	workers present M & N	For C.S.O. use
iii	Inside Perimeter Fer A. Nearest Explosiv Storage Unit (a) traversed (b) untraversed	nce	R605 Explosives Storehouse T					M4NO	0
iv	B. Main Office	>400							
iv	C. Main Engineering Workshop	345	M331 I	Electric	ians Worksh	op	U	M12	
	D. Nearest Explosive Process Building (a) traversed a (b) untraversed	and 95	R616 I	Propella	nt Processi	ng Lai	T	M4N2	
iv)	E. Give numbers of occupied non-exp buildings within the OQD and give details at 1 ove	all plosive n							
	Outside Perimeter F F. Nearest building (dwelling house, church, etc.)	ence 335	Lock l	ceepers	cottage				
	G. Nearest road, railway, canal, river.	255 300		(Centre lavigation					
Date	2.2.JUN. 181.	Signature	6	H. Newm	an	•••••		. Head of	Establi shmen
Jnrel axed	Explosive Limits (1e	eave blank for CSO	's use)					<u> </u>	

HD 1010 - 1600Kep

Date	12-8-81	Chief Safety Officer	N Junkees
Son	wanloof for noleyations (who	one communicate)	

Building No.	Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this column	n for C.S.O.
			3 = 3				
	*					7	
							.01 - 1,
	***						
	sives stored in wooden bo	, , , , , , , , , , , , , , , , , , ,		k du ji	21.		
							With the same of t
ls the fir	e cover in accordance with the re	ecommended Estab	nlishmen	t Fire Risk	Classifica	tion?	Yes
Relaxation	approved					anta tanàna ao amin'ny faritr'i Arabana ao amin'ny faritr'i Arabana ao amin'ny faritr'i Arabana ao amin'ny fari	
Hazard Division		Perji	o d			Signature	
		From	To				
Ligit (Kgs)			ć,	Chie	f Safety Of	ficer	
					, varoty v.	Date	
Relaxation	Extended (See Note v).		-				
dazard Division		Perio From	T <sub>o</sub>			Signature	
-imit (Kgs)			1, 3				
CIGUES I		1		1			

#### EXPLANATORY NOTES -

- i. Both the maximum permitted Man Limit (M) and the number normally present (N) are required.
- ii. State quantity of explosive in each Hazard Division.
- iii. The perimeter fence marks the boundary of the Establishment. It is not necessarily the "Danger Building" Fence.
- iv. An occupied building is one that is normally occupied during working hours, as distinct from one occasionally visited.

v. The detail of buildings and distances shown below should be checked to ensure no change has taken place before

Establish	PERMI	E WALTHAM AB		ζ		(If	lding No. grouped ldings. q		r rooms or ls)	
Us <b>e</b>		Protective State Traversed (T) or			- V			POSE		
Untra		Untraversed (U)			Compatiblity Groups	Man L (Note	imit M&N i)		Explosive Limit (Note ii) (Kgs)	
Explos house	sives Store	T Earth 9" Brick B&F roof	rth rick		С	M	M4NO		4000	
lf this i	s to replace an exis	ting limit, plea	se state da	te present	limit approved	. 3,	7.72		-	
Explan- atory notes ,	Factor influencing Explosives limit	Distance in Metre 2	i i	ber and use	of building		T or U	Workers present M & N	For C.S.O. use	
iii	Inside Perimeter Fe A. Nearest Explosi Storage Unit (a) traversed (b) untraversed	nce ves 50	R610 E	R610 Explosive Storehouse				м4ио		
iv	B. Main Office	>400								
iv	C. Main Engineering Workshop	g 330	M331 E	le <b>c</b> trici	ans Worksh	ор	U	M12		
	D. Nearest Explosive Process Building (a) traversed (b) untraverse	g 55 and	R616 P	ropellan	t Processi.	ng Lab	T	M4N2		
îv)	E. Give numbers of occupied non-explored buildings within the OQD and give details at 1 over	all plosive n e erleaf								
	Outside Perimeter I F. Nearest building (dwelling house, church, etc.)	Fence 395	Lockke	epers co	ttage					
	G. Nearest road, railway, canal, river.	312 360		Centre L vigation						
			12,41	Complete Constitution of the Constitution of t			-	maleum american american		

HO1.30 - 4000 Kep

Date	12-8-81	Chief Safety Officer	NJMRUS.
ı	overleaf for relaxations (wh		×

1.	Details of Buildings	shown	at	E overleaf.	(A	sketch	of	the	area	should b	attach	ned)	
					_			_			1		Ì

Building No.		Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this column for C.S.O.
	7121		- g			20 A 1 A 1 A 1	
C	o.	C,	J c	. [		HTT -	2 gozol sevirel. 2 c.uo.
		-1 • . •					

2.	Brief reference to any	factors influencing	the relaxation	such as	special	procedures	or	written	instructions	that
	counter the additional	potential hazard of	the building:-							

·	c nerland . vincing.	O.C.	
		001 -:	

3.				
	Is the fire cover <sup>s</sup> in accordance with	he recommended Establishment Fire Risk	Classification?	YES

#### 4. Relaxation approved

		C+ 1
From -	То	Signature
(ani.)	wan ( ) 1.	mi STE
	TWO OLV	Chief Safety Officer Date
		( a t 1 m a 0 )

Relaxation Extended (See Note v).

Hazard	Perio	d	C. I		
Hazard Division	From To		Signature		
Limit (Kgs)			> . * s		
, , ,			Chief Safety Officer		
			Date		

#### EXPLANATORY NOTES -

i. Both the maximum permitted Man Limit (M) and the number normally present (N) are required.

ii. State quantity of explosive in each Hazard Division.

iii. The perimeter fence marks the boundary of the Establishment. It is not necessarily the "Danger Building" Fence.

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v. The detail of buildings and distances shown below should be checked to ensure no change has taken place before requesting an extension to the period covered by existing relaxation.

Establish	PERME WA	LTHAM ABBEY 1		-		(If	lding No. grouped ldings. g	with other	er rooms or
Us <b>e</b>	T U	rotective State - raversed (T) or ntraversed (U) - tate type of Trav nd construction o uilding, walls an		Hazard Divisions	Compatiblity Groups	Man L (Note	imit M&N		D plosive Limit te ii) (Kgs)
Explo house		T, Earth 9" Brick B&F roof		1.1	С	M	4 NO		1000
f this i	s to replace an exist	ing limit, please	state da	te present	limit approved.	1	5.5.72		
Explan- atory notes ,	Factor influencing Explosives limit 1	Distance in Metres 2	T		of building		T or U	Workers present M & N 5	For C.S.O. use 6
iii	Inside Perimeter Fen A. Nearest Explosiv Storage Unit (a) traversed (b) untraversed		R611	R611 Explosive Storehouse				M4NO	
iv	B. Main Office	380	N505 Telephone Exch, Office				U	M14	
iv	C. Main Engineering Workshop	325	M331	M331 Electricians Workshop				M12	
	D. Nearest Explosiv Process Building (a) traversed a (b) untraversed	55 nd	R616	Propella	nt Processi	ng La	о Т	M4N2	
iv)	E. Give numbers of occupied non-exp buildings within the OQD and give details at 1 ove	all losive				Process of the Section of the Sectio			
	Outside Perimeter F F. Nearest building (dwelling house, church, etc.)								
	G. Nearest road, railway, canal, river.	367	Grid	(Centre	Line)				
Date	2 2 IIIN 10	81 Signature	DH	Newman					Establishmen

HD 1010 - 1000 Kys

CONTRACTOR SECURITY	Date 12-8-81	Chief Safety Officer	NJM Res.
	See overleaf for relaxations (wh	ere appropriate)	

Details of Buildings shown at E overleaf. (A sketch of the area should be attached)

uilding No.	Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this column for C.S.O.
	210.2					7-16-17
, <del>11</del> 14						1- 4 1
0.01		1	I		202	- to byiou
- 1						
	1 4 0 0 0					Marie Marie Tomas
				1		
	ce to any factors influencing dditional potential hazard of			s special p	procedures o	r written instructions that
Counter the	dorershar potentral mazard or	the burraing.				
	Capital III and	naceda evi.		dee	UC	
	- 1 1-7					

·		
, 1	201 201 1.2.0.1 1.0.13 1.10 1.	

Is the fire cover in acc	cordance with the recommended Establishment	Fire Risk Classification?	र्भंडा.

4. Relaxation approved

Hazard	Period	C	
Division	From To	Signature	
Ligit (Kgs)			
	(12-20-4)	Chief Safety Officer	
13 1121		Date -	

Relaxation Extended (See Note v).

Hazard	Per	iod	C	
Hazard Division	From To		Signature	
Limit (Kgs)		W		
		1	Chief Safety Officer	
			Date	

#### EXPLANATORY NOTES -

- i. Both the maximum permitted Man Limit (M) and the number normally present (N) are required.
- ii. State quantity of explosive in each Hazard Division.
- iii. The perimeter fence marks the boundary of the Establishment. It is not necessarily the "Danger Building" Fence.
- iv. An occupied building is one that is normally occupied during working hours, as distinct from one occasionally visited.

v. The detail of buildings and distances shown below should be checked to ensure no change has taken place before requesting an extension to the period covered by existing relaxation.

		Waltham Abbe	,			(If	lding No. grouped ldings. g	with othe	r rooms or ls)	
Traver Untrav State and co buildi Water steeping of T, E propellant or		tate type of Traverse, od construction of uilding, walls and roof T, Earth Brick, Board and		Hazard Divisions			PROPO Man Limit M&N (Note i)		Explosive Limit (Note ii) (Kgs)	
				1.1 or 1.3	С	M4 N3			500	
If this is	to replace an existin	limit. please	state da	te present	limit approved.	20.	12.79			
explan- atory notes,	Factor influencing Explosives limit	Distance in Metres 2	1		of building	200	T or U	Workers present M & N 5	For C.S.O. use	
	Inside Perimeter Fence A. Nearest Explosives Storage Unit	47	R612 Storage of casting powder		Т	M4 N2				
	(a) traversed (b) untraversed	250	N573	Propell	ant storage	9	U	M2		
iv	B. Main Office	238	Propo	sed SE C	ffices		U	10		
iv	C. Main Engineering Workshop	325	M331	Electric	cians Worksh	пор	U			
The state of the s	D. Nearest Explosives Process Building	80	R614 Rumbling & Graphiting of Cordite			ng	T	M3		
	(a) traversed and	237	R608?	Propella	nt exhibiti	on	U	M6 N4		
îv)	E. Give numbers of al occupied non-explo- buildings within the OQD and give details at 1 overl	sive 95	R601							
	Outside Perimeter Fen F. Nearest building (dwelling house, church, etc.)		Lock	Keppers	cottage					
	<li>G. Nearest road, railway, canal,</li>	475 400		Navigatio Grid	n					

### PROPOSED LIMITS APPROVED

Date 24-1-85 Chief Safety Officer	NJM Rees.
-----------------------------------	-----------

See overleaf for relaxations (where appropriate)

1. Details of Buildings shown at E overleaf. (A sketch of the area should be attached)

Building No.	Use	Distance in metres	Tor	Workers present M & N	Remarks	Leave this column for C.S.O.
R601	Dry NC weighing, only Occasionally occupied.	84	Т	M3 N2		

2. Brief reference to any factors influencing the relaxation such as special procedures or written instructions that counter the additional potential hazard of the building:-

Anticipated use 26 weeks per annum, mainly for drying of propellant. Man limits then M3 N2, occupied less than 10% of working day. For steeping, man limits M4 N3 and occupied well below 10% of working day.

Is the fire cover in accordance with the recommended Establishment Fire Risk Classification?

Yes

4. Relaxation approved

Hazard		Period Signature		S:L
Division	From To		Signature	
Ligit (Kgs)				
				Chief Safety Officer
				Date

Relaxation Extended (See Note v).

Hazard	Peri	iod	Signature		
Hazard Division	From	То	Signature		
Limit (Kgs)	1 - N 3. A	- N 31A			
		× =	Chief Safety Officer		
			Date		

#### EXPLANATORY NOTES -

- i. Both the maximum permitted Man Limit (M) and the number normally present (N) are required.
- ii. State quantity of explosive in each Hazard Division.
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  - iv. An occupied building is one that is normally occupied during working hours, as distinct from one occasionally visited.

v. The detail of buildings and distances shown below should be checked to ensure no change has taken place before

Rumbling iting of	Tra Uni Sta and bui	tective State - eversed (T) or raversed (U) - ete type of Trav			1			ive detai	the beautiful and the same of	
	Sta and bui			Hazard	C	M !	PRO	OPOSED		
	and Consula M	construction of ding. walls an	type of Traverse,		Compatiblity Groups	Man Limit M&N (Note i)		Explosive Lim (Note ii) (Kg		
	cordite 9	Earth Brick Froof		1.1	С		M3 NO		300	
f this is t	o replace an existin	g limit, please	state da	te present	limit approved.	18	3.11.68			
xplan- tory F	actor influencing Explosives limit 1	Distance in Metres 2			of building		T or U	Workers present M & N 5	For C.S.O. use	
Α.	side Perimeter Fence Nearest Explosives Storage Unit (a) traversed (b) untraversed	P C C	P710 Propellant Storehouse			T U. O. U	M3NO			
iv B.	Main Office	340	N505 T	elephone	Exch, Offi	.ces	U	M14		
iv C.	Main Engineering Workshop	340	M331 E	M331 Ele <b>ct</b> ricians Workshop			υ	M12		
D.	Nearest Explosives Process Building (a) traversed and (b) untraversed	55	R601 E	R601 Explosives Weighing Hse			Ţ	M3N2	*	
iv) E.		sive						2		
	itside Perimeter Fer Nearest building (dwelling house, church, etc.)	<b>&gt;</b> 400								
6.	Nearest road, railway, canal, river.	<b>&gt;</b> 400	0	7 /						
)ate	22 JUN 1981	Signature	10,	H. News	an	•••••		. Head of	Establishme	

HO1.1C - 300 Kep

Date	12-8-81	Chief Safety Officer	NImRees
See o	overleaf for relaxations (who	ere appropriate)	

Building No.	Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this column for C.S
	Simon of the second of the sec	× 4				
			e i		. (12 10 in 1	(1 -1) 1 n nii (
Is the fir Relaxation	Building used infrequent	e e e e e e e e e e e e e e e e e e e				tion? Yes
neraxation	approved					
lazard Division		Perio	d To		Signature	
Ligit (Kgs)				Chie	Chief Safety Officer  Date	
Relaxation	Extended (See Note v).					
dazard Division		Perio From	d To			Signature
Limit	-					

#### EXPLANATORY NOTES -

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v. The detail of buildings and distances shown below should be checked to ensure no change has taken place before requesting an extension to the period covered by existing relevation

Establish							(If			r rooms or ls)
Us <b>e</b>			tive State -			7			POSE	
		Untrave	sed (T) or ersed (U) - type of Trave astruction of ng. walls and	erse,	Hazard Divisions	Compatiblity Groups	Man L (Note	imit M&N		losive Limit te ii) (Kgs)
	stible idge Case	T, ea		2	1.3	С		M5N4		50
lf this i	is to replace an exis	ting li	mit, please	state dat	te present	limit approved.	12	-8-81		
explan- atory notes ,	Factor influencing Explosives limit		Distance in Metres 2	Numb	per and use	of building		T or U	workers present M & N 5	For C.S.O. use
iii	Inside Perimeter Fe A. Nearest Explosi Storage Unit (a) traversed (b) untraversed	ves	50	R628		ives Storeh	nouse	io <sub>T</sub>	M4N0	pakkasi alderak P
iv	B. Main Office		375	R663	ISRG O	ffice		U	16	
iv	C. Main Engineerin	ıg	380	M331	Electr	icians Work	shop	U	M12	
007	D. Nearest Explosi Process Buildin (a) traversed (b) untraverse	and	50	R616	Propel Proces	lant sing Lab		T	M4N2	
îv)	E. Give numbers of occupied non-ex buildings within the OQD and give details at 1 ov	all plosive n	25		-					
	Outside Perimeter F. Nearest building (dwelling house, church, etc.)	Fence	>400				,			
	G. Nearest road, railway, canal, river.		>400	0	)					
Date	2 0 OCT 1981		Signature	1 DA	4. Newm	4.				Establishment

HJ1.32 - 50Kgp.

Date	12-11-81	Chief Safety Officer	NJmRees.
Soo	overloof for relevations (who	ana annonnista)	

Brief reference to any factors influencing the relaxation such as special procedures or written instruction and potential hazard of the building:  Starting material, Wet pyro NC (12.6% N2), products either 1.3, or Flammable solid.  Is the fire cover in accordance with the recommended Establishment Fire Risk Classification?  Relaxation approved  Hazard Division From To Signature  Chief Safety Officer Date  Relaxation Extended (See Note v).  Hazard Date Signature	ding o.	Use	Distance in metres	Tor	Workers present M & N	Remarks	Leave this colum	nn for C.S.O
Starting material, Wet pyro NC (12.6% N <sub>2</sub> ), products either 1.3, or Flammable solid.  Is the fire cover in accordance with the recommended Establishment Fire Risk Classification?  Relaxation approved    Period	e p	1 2 1		\$				
Starting material, Wet pyro NC (12.6% N <sub>2</sub> ), products either 1.3, or Flammable solid.  Is the fire cover in accordance with the recommended Establishment Fire Risk Classification?  Relaxation approved  azard ivision From To Signature  classification Period Signature  Chief Safety Officer Date  elaxation Extended (See Note v).								
Starting material, Wet pyro NC (12.6% N <sub>2</sub> ), products either 1.3, or Flammable solid.  Is the fire cover in accordance with the recommended Establishment Fire Risk Classification?  Relexation approved    Period   Signature					nai Ar i			
Starting material, Wet pyro NC (12.6% N <sub>2</sub> ), products either 1.3, or Flammable solid.  Is the fire cover in accordance with the recommended Establishment Fire Risk Classification?  Relexation approved    Period   Signature								
Signature  From To  Chief Safety Officer  Date  Period  Signature  Signature  Signature	the fire cover in							
Signature  From To  Chief Safety Officer  Date  Period  Signature  Signature  Signature	exation approved	accordance with the	e recommended Est	ahlishmen	t Fire Risk	« Classifica	ition?	Yes
Chief Safety Officer Date  Period Signature		accordance with the			t Fire Risk	« Classifica	ution?	Yes
azard Signature	-d	accordance with the	Per	iod	t Fire Risk	c Classifica		Yes
Signature Signature	rd Sion	accordance with the	Per	iod To			Signature	Yes
Signature	rd sion		Per	iod To			Signature	Yes
11.011	rd sion t )		Per From	iod To			Signature ficer Date	Yes
imit Kgs) Chief Safety Officer	cation Extended (		Per From	iod To			Signature ficer Date	Yes

#### EXPLANATORY NOTES -

i. Both the maximum permitted Man Limit (M) and the number normally present (N) are required.

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	Valtham Abb					,	(If	lding No. grouped i ldings. g		er rooms or
Us <b>e</b>	11	Travers	tive State - sed (T) or ersed (U) -		Hazard	Compatiblity			POSE	
	S	State d and cor buildir	type of Travenstruction of no walls and	rse, I roof	Divisions	Groups	(Note	1)	(N	ote ii) (Kgs)
Propellant processing laboratory		Т, Е	arth. 13½ k. Wooden	11	1.1 or 1.3	С	M.	5, N3		Kg plus Kg (Mag)
If this is to re	place an exist	ting li	mit, please	state dat	te present	limit approved.	<b>!</b>	27.2	.78	
and the second s	r influencing osives limit		Distance in Metres	Numb	er and use	of building		T or U	Workers present M & N	1
10 to 5 ,	1		2		3			4	5	6
A: Ne	Perimeter Fen arest Explosiv orage Unit		47			e of wet N/0 n 12.2% N <sub>2</sub> )	2	Т		
l a	traversed untraversed		51	R 615 Explosives Storehouse				T		
iv B. Ma	in Office		325	Propo	sed E Br	eanch Office	Э	U		
Wo	in Engineering rkshop		387	M 331	Electri	cians Shop		Ü		
Pr (a	arest Explosivocess Building ) traversed a	g and	38		Combust manufact	cible cartri cure	idge	U 13" Brick	M5, N3	
oc bu	) untraversed ve numbers of cupied non-exp ildings within e OQD and give tails at 1 ove	all olosiv n	, 60			er buildings re storehous		STICK		
Outsid F. Nea (dw	e Perimeter F rest building elling house, rch, etc.)	ence	455	Lock	keepers	Cottage				
G. Ne	arest road, ilway, canal, ver.		400 325	Lea N Super	Vavigatio Ogrid	on				

## PROPOSED LIMITS APPROVED

Date	24-7-85 Chief Safety Office	r NJvilies
See	overleaf for relaxations (where appropriate)	

Building No.	Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this col	umn for C.S.O.
		- × 4					
						9	
	e to any factors influen ditional potential hazar			s special p	procedures o	r written instru	ctions that
wooden doo: in miniatu:	inside building. r) outside buildin re incorporator an d of 9 mm armoured	ng, but inside nd 100g in min	trave	rse. Pro	ocesses w	ill involve	100 g
Is the fire cov	er in accordance with th	e recommended Esta	hlishmen	t Fire Risk	Classifica	tion?	Yes
Relaxation appro	oved						
Hazard		Peri	od			Signature	
Division		From .	To		profits (in the party to the found on the party to the pa	Tignature	
init (Kgs)							
				Chie	f Safety Of	Date	
Relaxation Exten	ded (See Note v).	and and an area area area area area.					
Hazard Division	, c	Peri From	od To			S gnature	
Limit (Kgs)		Sign Eig	1,3			28-1	

#### EX. MATORY NOTES -

- i. Both the maximum permitted Man Limit (H) and the number normally present (N) are required.
- ii. State quantity of explosive in each Hazard Division.
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	nuesting an extension	to the	period cove	ered by e	disting rel	axation.			7 (45	
stablish	PERME	Walta	m Abbey				(lf	lding No. grouped ldings_a	R 617 with othe ive detai	r rooms or
lse			tive State - sed (T) or						POSE	
		Untrave	ersed (U) - type of Trave struction of no. walls and	rse,	Hazard Divisions	Compatiblity Groups	Man L (Note	imit M&N		losive Limit te ii) (Kgs)
Explo	osi <b>v</b> es Storehouse	T(Ea	rth), Bri Board & F	.ck	1.1 0r 1.3	C or D	<b>聚</b> 3	NO	. 1	900 or 000
f this i	s to replace an exis	sting li	mit, please	state da	te present	limit approved	. 6	-18-80		
xplan- itory notes,	Factor influencing Explosives limit		Distance in Metres 2			of building		T or U	present M & N 5	For C.S.O. use 6
111	Inside Perimeter Fe A. Nearest Explosi Storage Unit (a) traversed (b) untraversed	ves	48	R618	Explosiv	es Storehou	se	T	M3NO	
iv	B. Main Office		>400							
iv	C. Main Engineerin	ng	400	M331	Electric	ians Worksh	юр	U	M12	
-2 \ , 2 \	D. Nearest Explosing Process Building (a) traversed (b) untravers	ng and	51	R616		ant Process lopment	3	T	M3N2	
îv)	E. Give numbers of occupied non-e buildings with the OQD and give details at 1 o	f all xplosiv in	-	Nil						
	Outside Perimeter F. Nearest buildin (dwelling house church, etc.)	Fence g	> 400	÷						
	G. Nearest road, railway, canal river.	,	340 290		Lea Nav (Centre					
	14-4-83			,,,	A	.1				Establi shmer

## PROPOSED LIMITS APPROVED

Date	18-8-83	Chief Safety Officer	NImkey:
1_			

See overleaf for relaxations (where appropriate)

Building No.	Use		Distance in metres	T or	Workers present N & N	Remarks	Leave this colu	nn for C.S.C
					·			
h,								
						- 6 2 - 1		
				_	-			
								A,
		į.					1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
		*						Automore Carl
					()			1
	e cover in accordance with the	e recomm	ended Estab	olishment	(		tion?	Yes
Relaxation		e recomm	ended Estab		(			Yes
Relaxation		e recomm	Perji		(		tion? Signature	Yes
Relaxation Hazard Division	approved		Perji	od	(			Yes
Is the fir Relaxation Hazard Division Limit (Kgs)	approved		Perji	od	t Fire Risk		Signature	Yes
Relaxation Hazard Division	approved		Perji	od	t Fire Risk	Classifica	Signature	Yes
Relaxation Hazard Division Limit (Kgs)	approved		Perji	od	t Fire Risk	Classifica	Signature ficer	Yes
Relaxation Hazard Division Limit (Kgs) Relaxation	approved		Perji	od To	t Fire Risk	Classifica	Signature ficer Date	Yes
Relaxation Hazard Division Limit (Kgs) Relaxation	approved	Fr	Perio	od To	t Fire Risk	Classifica f Safety Of	Signature ficer	Yes
Relaxation lazard Division limit (Kgs) Relaxation lazard Division	approved	Fr	Perio	od To	t Fire Risk	Classifica f Safety Of	Signature ficer Date	Yes
Relaxation Hazard Division Limit (Kgs)	approved	Fr	Perio	od To	Fire Risk	Classifica f Safety Of	Signature  ficer Date  Signature	Yes

#### EXPLANATORY NOTES -

- i. Both the maximum permitted Man Limit (M) and the number normally present (N) are required.
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v. The detail of buildings and distances shown below should be checked to ensure no change has taken place before

rec Establis	hment -	M	PERM				(If		R618 with other ive detail		
Us <b>e</b>			tive State -	TENT.					POSED		
Untra State			versed (T) or raversed (U) = te type of Traverse, construction of lding, walls and roof		Hazard Divisions	Compatiblity Groups	Man L (Note	imit M&N		Explosive Limit (Note ii) (Kgs)	
Explo house	sives Store~		arth) Bri board &		1.1	C or D	]	M3 NO		1800	
f this i	is to replace an exi	sting li	imit, please	state da	te present	limit approved.	19-	11-79			
explan- atory notes ,	Factor influencin Explosives limit		Distance in Metres 2	Num	ber and use	of building		T or U	Workers present M & N 5	For C.S.O. use	
iii	1			R617 Explosives Storehouse				Т	M3 NO		
iv	B. Main Office		415	Propo	sed E B	anch Office	es	U			
iv	C. Main Engineeri Workshop	ng	420	М331	Electric	cians Wk Sho	op	U			
	D. Nearest Explos Process Buildi (a) traversed (b) untravers	ng and	105		Propell lopment	lant Process	S	Т	M3 N2		
îv)	E. Give numbers o occupied non-e buildings with the OQD and gi details at 1 o	f all xplosiv in		<b>60</b>							
	Outside Perimeter F. Nearest buildin (dwelling house church, etc.)	Fence g	380	Lock	Keepers	Cottagg					
	G. Nearest road,		279	Rive	Lea Nav	rigat <b>io</b> n					
	railway, canal river.	,	235	Grid	(Centre	Line)					
Date	15/8/80		Signature	BA	Newms	cu_			. Head of	Establishmer	
	d Explosive Limits (	laava hi		c 1158)							

HO 1.16 01 1800Kgp

Date	6/11/80	, Chief Safety Officer	MImRees-
See	overleaf for relaxations (wh	ere appropriate)	

Building No.	Use		Distance in metres	T or	Workers present M & N	Remarks	Leave this colu	umn for C.S.O.
		~						
		. 170	C :	٥	0 A. 411 B		U ≁usof i:	ouro
	yenegt						1 -	
Is the fire cove	r in accordance with t	he recomme	ended Estab	lishmen	Fire Risk	Classifica	tion?	Yes
			D	J				
Hazard Division		Fre	Perio	To			Signature	
Ligit (Kgs)		nál			Chie	f Safety Of	ficer Date	
Relaxation Extend	ed (See Note v).	- Anna Caranta and Caranta		-				
Hazard			Perio	d			2:1	
Division		Fro	) m	To	4		Signature	
Limit (Kgs)				1,1		en free de la companya de la company		
		1	ſ		01.4	f Safety Off	· ·	

#### EXPLANATORY NOTES -

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v. The detail of buildings and distances shown below should be checked to ensure no change has taken place before requesting an extension to the period covered by existing relaxation.

	nment - RC	bbey		Building No. R619 (If grouped with other rooms or buildings, give details)						
Use Protective S						PROPOSE D				
Explosives Storehouse  Untrave State to and con buildin T, Ea		raversed (T) or ntraversed (U) tate type of Tr nd construction	ersed (U) –  type of Iraverse,  no. walls and roof  arth  <, board and		Compatiblity Groups	Man Limit M&N (Note i)  M3		Exp	Explosive Limit (Note ii) (Kgs)	
		, Earth			C or D					
lf this i	s to replace an exist	ing limit, plea	se state da	te present	limit approved.	13.	12.79			
Explan- atory notes ,	Factor influencing Explosives limit 1	Distance in Metre		Number and use of building				orkers present M & N 5	For C.S.O. use 6	
111	Inside Perimeter Fence  A. Nearest Explosives Storage Unit  (a) traversed (b) untraversed			Storage o Picrate Storage o	nt e	T arth	M3			
iv	B. Main Office 412		R663	R663 Section Office			U			
iv	iv C. Main Engineering Workshop		M331	Electric	ians Shop		U			
	D. Nearest Explosiv Process Building (a) traversed a	nd 162	R616							
îv)	E. Give numbers of occupied non-exp buildings within the OQD and give details at 1 ove	all losive	-							
	Outside Perimeter F F. Nearest building (dwelling house, church, etc.)	ence 350	Lock	Keepers h	nouse					
	G. Nearest road, 225 railway, canal, 157 river.		Lea Na Grid	Lea Navigation Grid						

# PROPOSED LIMITS APPROVED

PLUS HD 1.45 TO CAPACITY

Dat	24-7-85	Chief Safety Officer	NImRus.
See	overleaf for relaxations (wh	ere appropriate)	

Building No.	Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this colu	nn for C.S.O	
		× #						
						8		
	e to any factors influen ditional potential hazar			s special p	rocedures or	r written instruc	tions that	
ls the fire cove	er in accordance with th	e recommended Estat	nlishment	: Fire Risk	Classifica	tion?	YES	
Relaxation appro	oved							
azard	ampeter processor hands an exist of the second rects are all the second rects after the second rects and the second rects are also as the second rects and the second rects are also as the se	Perio	Period					
ivision			From To			Signature		
isit Kgs)								
						Chief Safety Officer  Date		
Relaxation Extend	ded (See Note v).	Vracen						
azard	ded (See Note v).	M. J. Committee of the	d					
azard	( - (		d To			Signature		
Relaxation Extending lazard Division	( - (	Perio			f Safety Off	Signature		

# EXPLANATORY NOTES -

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12-8-81 Chief Safety Officer ...

See overleaf for relaxations (where appropriate)

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Establis			M ABBEY				(If	lding No. grouped ldings. g	with other	r rooms or Ls)	
Us <b>e</b>			ive State -	*					POSED		
		Untraver State ty and cons	ed (T) or rsed (U) - ype of Trave struction or p. walls and	erse, f d roof		Compatiblity Groups	Man L (Note	imit M&N	Exp	losive Limit te ii) (Kgs)	
Explo house	sives Store-	T, Ea 13" B B&F r	Brick or b) 1.3			D or C	M	4 NO		a) 700 or b) 5000	
	is to replace an exis	ting lim	mit, please	state da	te present	limit approved.		27.1.7			
Explan- atory notes ,	Factor influencing Explosives limit		Distance in Metres 2	Numl	per and use	of building		T or U	Workers present M & N 5	For C.S.O. use 6	
111	Inside Perimeter Fe A. Nearest Explosi Storage Unit (a) traversed (b) untraversed	ves	47			es Storehous Powder Sto	T T	M4NO M4NO	1		
iv	B. Main Office		439	R663 C	ffice			IJ	M20		
iv	C. Main Engineerin Workshop	ıg	470	M331 E	le <b>c</b> trici	ans Worksho	υ	M14			
	D. Nearest Explosi Process Buildin (a) traversed (b) untraverse	g and	170	R634 F	ragment	Attack		T	M4N2		
iv)	E. Give numbers of occupied non-ex buildings within the OQD and give details at 1 ov	all plosive n	120	Nil Al storeh		ngs with 00	D are				
	Outside Perimeter F. Nearest building (dwelling house, church, etc.)	Fence	317	Lock k	eepers c	ottage					
	G. Nearest road, railway, canal, river.		125 160		Centre L vigation						
Date	2 2 JUN 1981	9	Signature	PAH	Newma	n.			Head of	Establishmer	
Unrelaxe	d Explosive Limits (1			s use)		THE PROPERTY OF THE PROPERTY O		William Company of the Company of th			
				1000	_ 7	00 Kep					
				OR	57	00 Km					
			401.	1.3c _ 5000 Kep							

NJmRees.

Building No.	Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this colu	umn for C.S.O.
		85				2 . <del></del>	
		. C			1.62. 1.2.0.1 1.02.	- 201	
	1 - 1 - 1 -						
11 0	eased limit would be	300kg	osives	in wood	en boxes.		
Is the fire cove	eased limit would be	300kg	- 0				Yes
Is the fire cove	eased limit would be	300kg	ahlishmen				Yes
	eased limit would be	300kg	ahlishmen				Yes
Is the fire cove Relaxation appro	eased limit would be	300kg ecommended Est	ahlishmen	t Fire Risk		tion? Signature	Yes
Is the fire covered Relaxation appropriate Hazard Division	er in accordance with the removed	300kg ecommended Est	ahlishmen	t Fire Risk	c Classifica	tion? Signature	Yes
Is the fire covered Relaxation approximately Relaxation approximately Relaxation approximately Relaxation Bivision	er in accordance with the removed	300kg ecommended Est	ahlishmen iod To	t Fire Risk	c Classifica	tion? Signature	Yes

Date

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stablish		WALTH	AM ABBEY	ESSEX			(11	lding No. grouped ldings.a	with other	r rooms or		
Js <b>e</b>			tive State -				T	PROPOSED				
		Untrave State	sed (T) or ersed (U) - type of Trave astruction of no. walls and	erse, f		Compatiblity Groups	Man Limit M&N (Note i)		Exp	losive Limit te ii) (Kgs)		
Explo	sives Store-	1 -	Earth a) 1.1 a) 6 or D or b) 1.3 b) C				M	4 NO	a) b)	850 5000		
f this i	s to replace an exi	sting li	mit, please	state da	te present	limit approved	•					
explan- atory notes,	Factor influencin Explosives limit	g	Distance in Metres	Num		of building		TorU	Workers present M & N 5	For C.S.O.		
iii	Inside Perimeter F	0000	2		3			4	3	6		
111	A. Nearest Explos Storage Unit (a) traversed (b) untraverse	ives	50	R623	Explosiv	ve Storehou	T.	M4NO	OJ ysa			
iv	B. Main Office		390	R663	ISRG Offi	ice		U	M16			
iv	C. Main Engineeri Workshop	ng	>400									
	D. Nearest Explos Process Buildi (a) traversed (b) untravers	ng and	<ul><li>a) 135</li><li>b) 130</li></ul>		Fragment Control	Attack room for R6	34	T }	M4N2	,		
iv)	E. Give numbers o occupied non-e buildings with the OQD and ginder at 1 o	f all xplosiv in	130		6-9							
	Outside Perimeter F. Nearest buildin (dwelling house church, etc.)	g	375	Lock I	(eæpers	Cottage						
	G. Nearest road, railway, canal river.	,	137 185		(Centre la vigation	1.5						
Date	2 2 JUN :				HAlews	an.	•••••	•••••	. Head of	Establishmer		
Inrelaxed	d Explosive Limits (	leave b										
			HS	) 101 C	m 0 -	850 Kep						
				02		5000 Kep						

NImRes .... Chief Safety Officer ...

Building No.	Use	Distan in metres		Workers present M & N	Remarks	Leave this co	lumn for C.S.O.
			~ 4				
			- 8				
	, be						
		= 4					
Is the fire o	cover in accordance with the	recommended E	stahlishmer —	nt Fire Risk	< Classifica	tion?	Yes
		P	eriod		n di kilong pula se Emphantaka gerapakan sa		tina tirawa tika ta ahabadi nya hasaya baga kana muruba
azard ivision		From	То			Signature	
init Kgs)		, ri		Chie	ef Safety Of	ficer Date	
Relaxation Ext	tended (See Note v).		4				
azard		P	eriod			Ç:	
livision		From	To			Signature	
			-		-		
-imit (Kgs)				Chie	of Safety Of	ficer	

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Establish	ment - PERME Walt	ham A	bbey				(If	ding No.R grouped wi	ith other	
Use	1	Travers Intrave	tive State - sed (T) or ersed (U) -		Hazard	Compatiblity	Man Li	PROF	Exp1	osive Limit
-		otate t and con buildin	type of Travenstruction of	rse, Lroof	Divisions	Groups	(Note i)		(Not	e ii) (Kgs)
	Losi <b>v</b> e ehouse	Bric	earth rickwalls oard & Felt roof				M4 NO 1400			400
If this i	s to replace an exist	ting li	mit, please	state da	te present	limit approved.	2-4-			
Explan- atory notes ,	Factor influencing Explosives limit 1		Distance In Metres 2		3	of building		Tor U A	forkers present M & N 5	For C.S.O. use 6
111	Inside Perimeter Fer  A. Nearest Explosiv  Storage Unit  (a) traversed  (b) untraversed	ves	a) 50 b) 235		Explosi Locker M	ve Storehou agazine	ıse	T D	M3NO M2 NO	
iv	B. Main Office		355	R 663	Office				N16	
iv	C. Main Engineering Workshop	g	<b>&gt;</b> 400					-		
	D. Nearest Explosive Process Building (a) traversed (b) untraverse	g and	a) 87 b) 85	R 634 R 638	Fragmer Control	t Attack room for R 634		υ <b>}</b>	M4 N2	
iv)	E. Give numbers of occupied non-ex buildings within the OQD and giv details at 1 ov	all plosiv n e erleaf		R 68	1					
	Outside Perimeter F. Nearest building (dwelling house, church, etc.)		400	Lock	keepers	cottage				
¥	G. Nearest road, railway, canal, river.		195 242		(Centre Navigati		¥	, ,		
Date	7-12-82		Signature		AT	Beld	•••••	DP.	Head of	Establi shment
Unrelaxed	d Explosive Limits (1	eave b	lank for CSO	's use)			and a second desired the second	44		

# PROPOSED LIMITS APPROVED

-	60		N P
-	Date 18-8-83	Chief Safety Officer	NJurkus.
1		enter edicty officer	***************************************
9		_	

1.	Details of	Buil dings	shown	at E	overleaf.	(A	sketch	of	the	area	should	be	attached)
----	------------	------------	-------	------	-----------	----	--------	----	-----	------	--------	----	-----------

Building No.		Use		Distance in metres	T or	Workers present H & H	Remarks	Leave this column for C.S.O.
R 681	Office 1	for R 634		125	Ū	M4 N2		
- ' - '								
		*						
			* .				\$	
						* .	2 2 2 2 2	

 	 	*****	 Andrew Andrews Con	- market de la company de la c	 alle en		 	internal and refer the second property and the selection	

#### Relaxation approved

Hazard	:	Per	od	S. L.
Division	*	From -	To	Signature
Limit (Kgs)				Chief Safety Officer Date

Relaxation Extended (See Note v).

Hazard Division	Per	iod	S:1
Division	From	Ϋ́ο	Signature
Li-it (Kgs)			Chief Safety Officer Date

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Jse	ment -	WAI ESS	THAT , SEX (M9 :	EY	1		(If	lding No. grouped ldings.g	with of	ther ro	oms or
ose.		Traver: Untrave	sed (T) or ersed (U) - type of Travenstruction or		Hazard Divisions			Man Limit M&N (Note i)		DPOSED  Explosive Lin (Note ii) (Ka	
Explos house	sives Store -	building, walls and roof T, Earth a) 1.			a) 1.1 b) 1.3	a) C or I b) C	) MA	M4 NO			250 3500
If this i explan- atory notes,	Factor influencing Explosives limit		Distance in Metres	T		limit approved	d.	T or U	Worker presen M & N	t Fo	r C.S.O. use 6
111	Inside Perimeter Fe A. Nearest Explosi Storage Unit (a) traversed (b) untraversed	ves	50	R623 F		es Storehou	ıse	т	M4NO		
iv	B. Main Office		327	R663	ISRG 6	Ffice	***************************************	A	M16		***************************************
îv	C. Main Engineerin Workshop	>400									
	D. Nearest Explosi Process Buildin (a) traversed (b) untraverse	g and	a) 50 b) 60		Fragment Control 1	534	T }	M4N2	2		
îv)	E. Give numbers of occupied non-ex buildings withi the OQD and giv details at 1 ov	all plosiv n e erleaf	50								
	Outside Perimeter F. Nearest building (dwelling house, church, etc.)		7400								
SSNSTO FIRE while well as for some	G. Nearest road, railway, canal, river.		240 300		(Centre la vigation	1					
Date Unrelaxed	2 2 JUN 19 I Explosive Limits (1	• • • • • •	Signature	use)	). H. Newn	nan ;	•••••	••••••	. Head	of Est	ablishmer
			HOI	1 CAD	_ 25	io Kep					
				0R		00 Kgs					

1. Details of Buildings shown at E overleaf. (A sketch of the area should be attached)

Limit (Kgs)

Building No.	Use	Distance in metres	1 / / /	Workers present M & N	Remarks	Leave this column for C.S.O
-						
			1		142	(
Brief neference	to any factors influencia	a the nelayatio	n such as	cnecial n	raceduras	r written instructions that
		ollile				
	r in accordance with the r	o italia				tion? Ya.
Is the fire cove		o italia				tion? Ya.
Is the fire cove  Relaxation appro		o italia	hlishment		Classifica	
Is the fire cove  Relaxation appro		ecommended Esta	hlishment		Classifica	tion? Yæ.
Is the fire cove  Relaxation appro  Hazard Division  Limit		ecommended Esta	hlishment		Classifica	
Is the fire cove  Relaxation appro  Hazard Division  Limit		ecommended Esta	hlishment	Fire Risk	Classifica	Signature
Is the fire cove Relaxation appro Hazard Division		ecommended Esta	hlishment	Fire Risk	Classifica	Signature
Is the fire cove  Relaxation appro  Hazard Division  Limit (Kgs)	ved	ecommended Esta Peri From	hlishment od To	Fire Risk	Classifica	Signature
Is the fire cove  Relaxation appro  Hazard Division  Limit (Kgs)  Relaxation Extend  Hazard Division	ved	ecommended Esta	hlishment od To	Fire Risk	Classifica	Signature

Chief Safety Officer

Date

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Establish		WAL ESS	P.E.R.N LTHAM SEX ENS	I. E. ABB <b>EY</b>				(If	lding No. grouped ldings. g	with oth	er rooms or
Us <b>e</b>	1	Traversed	The latest the same of the sam			C 101			PRO	POSE	D
51 °		Intraverse State type and constr ouilding.	ed (U) - e of Trave ruction of walls and	rse, Lroof	Hazard Divisions	Compatib Groups	lity	(Note	imit M&N i)		plosive Limit ote ii) (Kgs)
Explos	sives Store -	T, Ear			a) 1.1 or b) 1.3	a) C (	or D	M	4 NO		) 250 ) 3500
	s to replace an exist	ting limit	t, please	state da	te present	limit appr	roved.	•			
explan- atory notes,	Factor influencing Explosives limit 1		istance n Metres 2	Numb	per and use	of buildi	ing		T or U	workers present M & N 5	For C.S.O. use
111	Inside Perimeter Fen A. Nearest Explosiv Storage Unit (a) traversed (b) untraversed		50	R624 E	lxplosi <b>v</b> e	s Store	ehous	se	Т	M4NO	
iv	B. Main Office		312	R663 I	SRG Offi	.ce			U	M16	
iv	C. Main Engineering Workshop		400		16						
	D. Nearest Explosiv Process Building (a) traversed a (b) untraversed	and b	) 50 ) 80		ragment Control r		c R63	34	T)	M4N2	
iv)	E. Give numbers of occupied non-exp buildings within the OQD and give details at 1 ove	all plosive	_								
	Outside Perimeter F F. Nearest building (dwelling house, church, etc.)		<b>4</b> 00								
	G. Nearest road, railway, canal, river.		307 355	Lea Ma	Centre I	1					
Date	2.2 JUN 1			• • • • • • • •	Newma	· · · · · · · · ·		•••••		Head o	f Establishme
Jnrel axed	Explosive Limits (le	eave blank			2	2011					

HD 1010000 - 250Kgr

HD 1.3 C - 3500 Kg

Date 12-8-81 Chief Safety Officer NITurkup

1. Details of Buildings shown at E overleaf. (A sketch of the area should be attached) Distance T or Workers Building. Use Leave this column for C.S.O. Remarks present in No. M & N U metres Brief reference to any factors influencing the relaxation such as special procedures or written instructions that counter the additional potential hazard of the building:-Is the fire cover in accordance with the recommended Establishment Fire Risk Classification? YES 4. Relaxation approved Period Hazard Signature Division From To Limit (Kas) Chief Safety Officer Date Relaxation Extended (See Note v). Period Hazard Signature Division From To Limit

Chief Safety Officer

Date

 $(K_{qs})$ 

#### EXPLANATORY NOTES -

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Establish		WA <b>E</b> S	P.E.R.M. LTHAM AI SEX EN9	BBEY		(If	lding No. grouped ldings. g	with othe	r rooms or ls)
Us <b>e</b>		Protective Stat						POSE	
		Traversed (T) o Untraversed (U) State type of T and constructio Duilding, walls	raverse,	Hazard Divisions	Compatiblity Groups	Man L (Note	imit M&N	Exp	losive Limit te ii) (Kgs)
Explo house	sives Store-	T. Earth 9" Brick Zinc sheet	roof	1.3	C or D	ΙM	4 NO		3000
lf this i	s to replace an exist	ing limit, ple	ase state da	te present	limit approved.				
Explan- atory notes ,	Factor influencing Explosives limit 1	Distanc in Metr		ber and use	of building		T or U	workers present M & N 5	For C.S.O. use 6
111	Inside Perimeter Fer A. Nearest Explosiv Storage Unit (a) traversed (b) untraversed		R625	Explosiv	es Storehou	se	т	M4NO	
iv	B. Main Office	305	R663	ISRG Off	ice		U	M16	
iv	C. Main Engineering Workshop	>400							
	D. Nearest Explosiv Process Building (a) traversed a	and 50	R616	Propella	nt Processi	ng La	b T	M4N2	
îv)	E. Give numbers of occupied non-exp buildings within the OQD and give details at 1 ove	all plosive n erleaf				***************************************			
	Outside Perimeter F F. Nearest building (dwelling house, church, etc.)	ence >400							
	G. Nearest road, railway, canal, river.	362	Grid	(Centre	Line)				
	2 2 JUN 1981	Signatur	12	H. Newm				-	Establishme

HO1.3C - 3000Kg

	Date 12-8-81	Chief Safety Officer	NJmles.
١			

Building No.	Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this co	lumn for C.S.O
-		× #			a)		
			o .		100 120	- 37	
		ci					
Is the fire	cover in accordance with the r	ecommended Estal	nlishmen	t Fire Risk	Classifica	tion?	YES.
Relaxation	aporoved						
Hazard		Perjo	o d			Signature	
Division		From ·	To				
init (Kgs)	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	, i ÷	om bý				
		V		Chie	f Safety Of	Date	
Relaxation E	xtended (See Note v).	heterioris de la companya de la comp					
Hazard Division		Perio From	rd To			Signature	
Limit (Kgs)		2			f Safety Off		

Date

#### EXPLANATORY NOTES -

i. Both the maximum permitted Man Limit (M) and the number normally present (N) are required.

ii. State quantity of explosive in each Hazard Division.

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iv. An occupied building is one that is normally occupied during working hours, as distinct from one occasionally visited.

v. The detail of buildings and distances shown below should be checked to ensure no change has taken place before requesting an extension to the period covered by existing peloyation

Establish	Royal Ordi	nance	, Waltham			and to the	(If	lding No. grouped ldings. g	with oth	er rooms or ils)
Use	1	Travers Untrave	ive State - ed (T) or rsed (U) - ype of Trave struction of o. walls and	erse, f	Hazard Divisions	Compatiblity Groups	Man L (Note	imit M&N	(N	plosive Limit ote ii) (Kgs)
OR Repack	rehouse	9" ]	Earth Brick c sheet c	oated	(a)1.1 (b)1.3	C or D	MĄ		(1	a) 900 a) 3000
	s to replace an exist	ting li	mit, please	state da	te present	limit approved.		12-8-8		
Explan- atory notes ,	Factor influencing Explosives limit 1		Distance in Metres 2	Numi	per and use	of building		T or U	workers present M & N 5	For C.S.O. use 6
111 -	Inside Perimeter Fer  A. Nearest Explosiv  Storage Unit  (a) traversed (b) untraversed	ves	50 East Lines	. Low	Total Car	re Storehou	se	T Linfind	мио	E31 it 9 Titimaliy
iv	B. Main Office	$\dashv$	310	TSRD	Office	R 663		Ū	N 16	
iv	C. Main Engineering Workshop	g	>400			11 003				
	D. Nearest Explosive Process Building Process Building Process Building Process (b) untraverse	g and	50		_	Room, Propellant		T	M3N2	
îv)	E. Give numbers of occupied non-expluings within the OQD and give details at 1 over	all plosive n								1
	Outside Perimeter F F. Nearest building (dwelling house, church, etc.)	Fence	> 400							
	G. Nearest road, railway, canal, river.		<b>&gt;</b> 400							
						A1Bek		рр.	. Head o	f Establishment
	Explosive Limits (10	COR	D	900	Kg }	STORF				LIMITS
-	OR +D 1.3 OR +D 1.1	Co	RD	50	Ka	REPAC	KIN	CT	M3	, N2
	12-4-88 eaf for relaxations (					Juntell	•••••	••••••		

Building No.	Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this co	lumn for C.S.O.
					I	or free	
usi.	0 (1)	1 1 2 1.		19025	ndir a da a ira ora i coan		
	17-5- 1						
Is the fire	e cover in accordance with the r	ecommended Esta	hlishmen	t Fire Risk	c Classificat	tion?	Yes
Teraxacron	apin nven						
Hazard Division		Peri				Signature	
		From ·	To				
Limit (Kgs)	611				of Safety Off	Ficer Date	
Relaxation E	Extended (See Note v).						
1		Peri	od			Signature	
Hazard	1					orginature	
		From	To				
Division Limit (Kgs)		From	To		f Safety Off		

#### EXPLANATORY NOTES -

- i. Both the maximum permitted Man Limit (M) and the number normally present (N) are required.
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v. The detail of buildings and distances shown below should be checked to ensure no change has taken place before requesting an extension to the period covered by existing relaxation

Establish	MOD(PE)					(If		R632 with other ive detail	
Us <b>e</b>		ctive State - rsed (T) or					PRO	POSED	
The Street Street of Street Stree	State and c	versed (U) - type of Trave onstruction of ing. walls and	erse,	Hazard Divisions	Compatiblity Groups	Man L (Note	imit M&N i)		osive Limit e ii) (Kgs)
	poration Bri	Earth ck walls, Celt roof	Board	1.3	С	M4	N3		450
	s to replace an existing	limit, please	state da	te present	limit approved	18	3-11-68		
explan- atory notes ,	Factor influencing Explosives limit 1	Distance in Metres 2	Num	ber and use	of building		T or U	workers present M & N 5	For C.S.O. use 6
iii	Inside Perimeter Fence  A. Nearest Explosives  Storage Unit (a) traversed (b) untraversed	a) 110 b) 287		Magazine Locker M			T U	M3 NO M2 NO	
iv	B. Main Office	255	R663	Office			U	16	
iv	C. Main Engineering Workshop	>400							
	D. Nearest Explosives Process Building (a) traversed and	a) 55		Plastic rogration Office f	Propellant		T	M4 N3	
îv)	(b) untraversed E. Give numbers of all occupied non-explosi buildings within the OQD and give details at 1 overlea	f	R681	OIIICE I	or no34		Ū	M4 N2	
	Outside Perimeter Fence F. Nearest building (dwelling house, church, etc.)	7400							
	G. Nearest road, railway, canal, river.	380	Grid	2					
7-4-	17/1/80	. Signature	A	HAlone	in_			Uand of	Establishmer

HD 1.36 - 450 Kep

Date2-4-81 Chief Safety Officer NZukus.	Date	2-4-81	Chief Safety	Officer	NTurkus.
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Brief reference to any factors influencing the relaxation such as special procedures or written instructions that counter the additional patential hazard of the building:  Is the fire cover in accordance with the recommended Establishment Fire Risk Classification?    Period   Signature	Building No.	Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this colu	mn for C.S.O.
Brief reference to any factors influencing the relaxation such as special procedures or written instructions that counter the additional potential hazard of the building:  Is the fire cover in accordance with the recommended Establishment Fire Risk Classification?    Period   Period   Signature								
Brief reference to any factors influencing the relaxation such as special procedures or written instructions that counter the additional potential hazard of the building:-  Is the fire cover in accordance with the recommended Establishment Fire Risk Classification?    Period     From   To							- Age	
counter the additional potential hazard of the building:-  Is the fire cover in accordance with the recommended Establishment Fire Risk Classification?    Period				•				
Is the fire cover in accordance with the recommended Establishment Fire Risk Classification?    Yesa   Period   Signature					s special p	procedures o	r written instruc	tions that
Period Signature  From To  Chief Safety Officer Date  Relaxation Extended (See Note v).  Period Signature  Period Signature  Period Signature  From To								
Signature  Signature  From To  Chief Safety Officer Date  Relaxetion Extended (See Note v).  Period From To  Signature  Signature  Signature  Chief Safety Officer Date  Date			recommended Esta	hlishmen	t Fire Risk	< Classifica	tion?	Yes
Chief Safety Officer Date  Relaxation Extended (See Note v).  Hazard Division From To  Chief Safety Officer Date  Signature					t Fire Risk	< Classifica	tion?	Yes
Hazard Division From To  Limit (Kgs)	Relaxation apo		Peri	od	t Fire Risk	« Classifica		Yes
Signature  From To  Limit (Kgs)	Relaxation apport		Peri	od			Signature ficer	Yes
Limit (Kgs)	Relaxation apportunity Hazard Division Limit (Kgs)	roved	Peri	od			Signature ficer	Yes
(Kgs)	Relaxation apportunity Hazard Division Limit (Kgs) Relaxation Exten	roved	Peri	od To			Signature ficer Date	yes.
1	Relaxation apportunity of the Relaxation Extended Relaxation Exten	roved	Peri	od To			Signature ficer Date	Yes

# EXPLANATORY NOTES -

- i. Both the maximum permitted Man Limit (M) and the number normally present (N) are required.
- ii. State quantity of explosive in each Hazard Division.
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- iv. An occupied building is one that is normally occupied during working hours, as distinct from one occasionally visited.

v. The detail of buildings and distances shown below should be checked to ensure no change has taken place before requesting an extension to the period covered by existing relaxation.

Establish	For RAPDE		Abbey			(If	lding No. grouped ldings. g	R 634 with other ive detail	rooms or	
Us <b>e</b>		otective State - aversed (T) or					PRO	POSEC		
	Un St	traversed (I) or traversed (U) - ate type of Trave d construction of ilding, walls and	rse,	Hazard Divisions	Compatiblity Groups	Man L (Note	imit M&N i)		osive Limit e ii) (Kgs)	
	ent attack	U. 12" R/C w 6" R/C roof.		1.3	С	M4	N2		30	
If this i	s to replace an existi	ng limit, please	state da	te present	limit approved	28	-8-80			
Explan- atory notes ,	Factor influencing Explosives limit	Distance in Metres 2			of building		T or U	Workers present M & N 5	For C.S.O. use 6	
iii	Inside Perimeter Fence  A. Nearest Explosive  Storage Unit  (a) traversed (b) untraversed	40			c Trials Magazine.	115111 113111 1140 n	T	M4 NO M2 NO	tedi	
iv	B. Main Office	265	R 663	ISRD of	fice		U	N 14		
iv	C. Main Engineering Workshop	525	M 331	Electri	cians Shops	3	υ	M 12		
	D. Nearest Explosive Process Building (a) traversed an	52			for facilit propellant		U	M4 N2		
îv)	E. Give numbers of a occupied non-exploadings within the OQD and give details at 1 over	osive 60 leaf	-							
	Outside Perimeter Fe F. Nearest building (dwelling house, church, etc.)	nce 490	Lock	keepers	cottage					
	G. Nearest road, railway, canal, river.	260	Grid							
Date Unrelaxed	4-2-86 Explosive Limits (lea	Signature ve blank for CSO!	s use)	A	But	•••••	pp	. Head of	Establishment	

# PROPOSED LIMITS APPROVED

Date	12-4-88	Chief Safety Officer	NJunkees
See	overleaf for relaxations (wh	ere appropriate)	*

1. Details of Buildings shown at E overleaf. (A sketch of the area should be attached) Distance Tor Workers Building. Use Leave this column for C.S.O. present Remarks in No. M & N U metres Brief reference to any factors influencing the relaxation such as special procedures or written instructions that counter the additional potential hazard of the building:-30kg. limit for filling 6x5kg.charges. When firing, require 3x5kg. and either 5kg. 1.3 or 1.5kg 1.1 propellant for filling cartridges. Cartridge propellant will be isolated from cased charges. Firing takes place remotely from R 638. 5kg of Holi propellant for filling into 1.2 kg target charges (one at a time only) and the filled charge to be removed to target area prior to filling a single 30mm Cartridge PDS 12-2-86 Is the fire cover in accordance with the recommended Establishment Fire Risk Classification? Yes 4. Relaxation approved Period Hazard Signature Division To From O. Limit (Kgs) Chief Safety Officer Date Relaxation Extended (See Note v). Period Hazard Signature Division From To Limit

Chief Safety Officer

Date

(Kgs)

# EXPLANATORY NOTES -

i. Both the maximum permitted Man Limit (M) and the number normally present (N) are required.

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v. The detail of buildings and distances shown below should be checked to ensure no change has taken place before

Establish	W/ ES	P.E.R.M.E. ALTHAM ABBEY SEEL TA'S 18P	ve double weeks			(If			er rooms or
Traver Untrav State and cc buildi		Protective State - Traversed (T) or Untraversed (U) - State type of Trav	versed (T) or raversed (U) - Hazard te type of Traverse, construction of ding, walls and roof		Compatiblity Groups				D plosive Limit ate ii) (Kgs)
		and construction of building, walls ar			С				400
						10	11.68		
xplan- atory	Factor influencing Explosives limit	T	T		limit approved.	, 10,	Tor U	Workers present M & N	For C.S.O. use
111	Inside Perimeter Fe A. Nearest Explosi Storage Unit (a) traversed (b) untraversed	nce ves 50	R624 Explosives Storehouse			е	Т	м4ио	
iv	B. Main Office	290	R663 ISRG Office				U M16		
iv	C. Main Engineerin Workshop	g >400							
- 1 · · ·	D. Nearest Explosi Process Buildin (a) traversed (b) untraverse	and (b) 25	R634 Fragment Attack R638 Control room for R63			34	T MAE		
îv)	E. Give numbers of occupied non-ex buildings within the OQD and give details at 1 ov	all plosive n							
	Outside Perimeter F. Nearest building (dwelling house, church, etc.)	Fence >400							
	G. Nearest road, railway, canal, river.	212 285		Centre I					
Date	Z Z JUN 1981	Signature	•••••	H-Newn	ran .		• • • • • • •	. Head of	Establishme
nrelaxed	Explosive Limits (1			_ 4					

Date	12-8-81	. Chief Safety Officer	Hurres.
See	overleaf for relaxations (wh	nere appropriate)	

Building No.		Use	Dist in metr		Workers present M & N	Remarks	Leave this co	lumn for C.S.C
	2,52			×.gi				
				4				
			~			1.12		n vo clim.
	C		00.00.0000		. (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0,		
	re cover in	accordance with the	recommended		nt Fire Risk		ation?	YES
Relaxation	re cover in		recommended	Establishmer	nt Fire Risk			YES
Relaxation azard	re cover in		recommended	Establishmen	nt Fire Risk		stion?	YES
Relaxation lazard Division	re cover in		recommended	Establishmen	nt Fire Risk	(Classifica		YES
Relaxation azand ivision isit Kgs)	ns cover in	accordance with the	recommended	Establishmen Period	nt Fire Risk	(Classifica	Signature ficer	YES
Relaxation  Azard  Division  init  Kgs)	re cover in	accordance with the	recommended	Establishmen Period	nt Fire Risk	Classifica	Signature ficer Date	YES
Relaxation Hazard Division High Migs)	ns cover in	accordance with the	recommended	Period To	nt Fire Risk	Classifica	Signature ficer	YES

#### EXPLANATORY NOTES -

i. Both the maximum permitted Man Limit (M) and the number normally present (N) are required.

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Establish	MOD P		WALTHAM A	ABBEY			(If	lding No. grouped ldings. a	with other	r rooms or ls)	
Us <b>e</b>			ive State -						POSE		
Untra State and c		Untrave State t and con			Hazard Divisions	Compatiblity Groups	Man Limit M&N (Note i)			Explosive Limit (Note ii) (Kgs)	
	osive ehouse		Earth. ck, B&F ro	oof	(a) 1.1 or (b) 1.3	Dor (b)	M4	NO	,	a) 850 or b) 5000	
lf this i	s to replace an exist	ting li	mit, please	state da	te present	limit approved.	25	.3.70	•		
explan- atory notes ,	Factor influencing Explosives limit 1		Distance in Metres 2	Numt	per and use	of building		T or U	Workers present M & N 5	For C.S.O. use 6	
111	Inside Perimeter Fer A. Nearest Explosiv Storage Unit (a) traversed (b) untraversed	ves	51	R622	R622 Explosive Storehouse			T	M4 NO	svieciex lome are	
iv	B. Main Office		325	R663	Office		-	U	16		
iv	C. Main Engineering Workshop	g	>400			AND THE RESIDENCE OF THE PARTY					
	D. Nearest Explosive Process Building (a) traversed (b) untraversed	g and	(a) 97 (b) 82		Fragment Control	Attack room for Re	534	T) U)	M4 N2		
iv)	E. Give numbers of occupied non-exp buildings within the OQD and give details at 1 over	olosive n	137	R681,	R646		*				
	Outside Perimeter F F. Nearest building (dwelling house, church, etc.)	ence	>400								
	G. Nearest road, railway, canal, river.		227 137	Grid	lavigatio Centre						
Date2	·6·0cT·1981·····		Signature		SHNewn	an.			. Head of	Establi shmen	
-	Explosive Limits (le	L1	onk for CCOL	(0211							

50

Ho mexing permitted.

(b) HD1-3C - SOOOKer

Date! 2-11-81	Chief Safety	Officer	NImkles.
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1. Details of Buildings shown at E overleaf. (A sketch of the area should be attached)

Building No.	Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this	column for C.S.O.
R681 R646	Office for R634 Plastic Propellant Blending	135 137		M4 N1 M6 N4			
						5	
				per l			

2.	Brief reference to any	factors influencing	the relaxation such	as special	procedures or writ	ten instructions that
	counter the additional	potential hazard of	the building:-			

Explosives stored in Wooden Boxes. Personnel in R681 same as R634, R638. R646 only in occasional use.

Is the fire cover in accordance with the recommended Establishment Fire Risk Classification?

Yes

#### 4. Relaxation approved

Hazard	Per	iod	C. I
Division	From	To	Signature
Limit (Kgs)			
		,	Chief Safety Officer
			Date

Relaxation Extended (See Note v).

Hazard Division	Per	iod	\$2
Division	From	To	Signature
Limit (Kgs)			Chief Safety Officer Date

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181	·	Waltham Abb				(If		R641 with other ive detail		
Us <b>e</b>		Protective State Traversed (T) or					PRO	POSE	)	
TO DESIGNATION & THE STATE OF T	Untra State and c		type of Traverse, enstruction of no, walls and roof		Compatiblity Groups	Man Limit M&N (Note i)			Explosive Limit (Note ii) (Kgs)	
	ary Explosive gazine	T. Earth f Braithwaite Brick, boar felt roof.	traverse	1.1	А	M2	NO		25	
lf this i	s to replace an exis	ting limit, plea	se state da	te present	limit approved.		_			
explan- atory notes ,	Factor influencing Explosives limit	Distance in Metre	Numb		of building		T or U	Workers present M & N 5	For C.S.O. use	
iii	Inside Perimeter Fence 200  A. Nearest Explosives 60 Storage Unit (a) traversed 42		R657 R690	R657 Explosive Storehouse			T	M3 NO	U	
îv	B. Main Office	135	R663	ISRG O	ffice		U	N11		
iv	C. Main Engineerin	>400								
	D. Nearest Explosi Process Buildin (a) traversed (b) untraverse	and 22	R646 R672 test:	Primary	ng House / explosive pyrotechnic		T	M4 NO		
îv)	E. Give numbers of occupied non-ex buildings withi the OQD and giv details at 1 ov	all plosive n _			processi	ng				
	Outside Perimeter F. Nearest building (dwelling house, church, etc.)	Fence 385		alow at H rsery	Hawes Lane					
	G. Nearest road, railway, canal, river.	300	Grid							

Unrelaxed Explosive Limits (leave blank for CSO's use)

# PROPOSED LIMITS APPROVED

	Date	24-7-85	Chief	Safety Officer	NJmR	up.
ł	lo .		1			

Building No.	Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this colu	mn for C.S.O.
		* 4					
		1					
						-	
						-	
	ence to any factors influencin additional potential hazard o			s special p	rocedures o	r ⊍ritten instruc	tions that
the extra de en merchen familier (tol) en qui en contra familier en							
			podpanjalani v kriuvija v ki na i				
ls the fire o	cover in accordance with the r	ecommended Estab	lishmen	t Fire Risk	Classifica	tion?	YES
Relaxation ap	poroved						
azard		Perio	d		ethicide-glassive villeruksustaniste utovallustens	Signature	
ivision		From .	To			Signature	
isit Kgs)							
				Chie	f Safety Of	ficer	
						Date	
elaxation Ext	ended (See Note v).						
azard livision		Perio From	d To			Signature	
.imit							
1 1 1 1							

Date

#### Ex LANATORY NOTES -

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ment - ROF, W						(If	grouped	with oth	
				_					
Untra State and co build Locker Magazine U.			erse,	Hazard Divisions	Compatiblity Groups	Man Limit M&N (Note i) M2 NO			xplosive Limit lote ii) (Kgs)
				1.1	А			1	.5 kg per ocker 4 lockers)
s to replace an exis	sting li	mit, please	state da	te present	limit approved.	_	unitAntinun, and the		
Factor influencing Explosives limit	)	Distance in Metres	Num		of building		T or U	present M & N	1
A. Nearest Explosi		65	R641 Primary explosive				T	M2 N	
Storage Unit		89	R690 Pyrotechnic Store				U	M2 N	0
B. Main Office		98	R663	ISRG Of	fice		U	N11	
C. Main Engineerin	ng	>400		***************************************	SUMMINISTRATIVO PROPERTIES AND				
Process Buildir	19	320			te Propella	ant	T	M4 N	3
		25	R673	Primary	explosives	3	U	M8 N	6
E. Give numbers of occupied non-exbuildings within the OQD and give details at 1 over the occupied of the occupied of the occupied occupie	f all xplosiv in ve verleaf	_	lab	s and of	fices				
Outside Perimeter F. Nearest building	Fence	330	_		awes Lane				
G. Nearest road, railway, canal,		375	Grid						
	ROF, Wagazine  Magazine  Factor influencing Explosives limit  Inside Perimeter For A. Nearest Explosis Storage Unit  (a) traversed (b) untraversed B. Main Office  C. Main Engineering Workshop  D. Nearest Explosis Process Building (a) traversed (b) untraversed (c) untrav	ROF, Walthan  Protect Travers Untrave State is and corbuildir  Magazine  U. and  Inside Perimeter Fence A. Nearest Explosives Storage Unit (a) traversed (b) untraversed B. Main Office  C. Main Engineering Workshop  D. Nearest Explosives Process Building (a) traversed and (b) untraversed  E. Give numbers of all occupied non-explosive buildings within the OQD and give details at 1 overleaf  Outside Perimeter Fence F. Nearest building (dwelling house, church, etc.)	Protective State - Traversed (T) or Untraversed (U) - State type of Trave and construction of building, walls and Magazine  W. Brick, be and felt roo  Magazine  Factor influencing Explosives limit 1  Inside Perimeter Fence A. Nearest Explosives Storage Unit (a) traversed (b) untraversed  B. Main Office  C. Main Engineering Workshop  D. Nearest Explosives Process Building (a) traversed and (b) untraversed  E. Give numbers of all occupied non-explosive buildings within the OQD and give details at 1 overleaf  Outside Perimeter Fence  F. Nearest building (dwelling house, church, etc.)  G. Nearest road  G. Nearest road  A. Nearest road  A. Nearest explosives Storage Unit (a) traversed  B. Main Office  98  C. Main Engineering Workshop  J. J	ROF, Waltham Abbey    Protective State - Iraversed (I) or Untraversed (U) - State type of Iraverse, and construction of building, walls and roof   Magazine	ROF, Waltham Abbey  Protective State - Traversed (T) or Untraversed (U) - State type of Traverse, and construction of building, walls and roof  Magazine  U. Brick, board and felt roof.  Magazine  U. Brick, board and felt roof.  Number and use Explosives limit in Metres 2  Inside Perimeter Fence A. Nearest Explosives Storage Unit (a) traversed (b) untraversed (b) untraversed (b) untraversed (c) untraversed (d) untraversed (d) untraversed (e) u	Protective State - Traversed (T) or Untraversed (U) - State type of Traverse, and construction of building, walls and roof  Magazine  U. Brick, board and felt roof.  Pactor influencing Explosives limit 1 2 3  Inside Perimeter Fence A. Nearest Explosives Storage Unit (a) traversed (b) untraversed B. Main Office  C. Main Engineering Workshop D. Nearest Explosives Process Building (a) traversed and (b) untraversed E. Give numbers of all occupied non-explosive buildings within the 000 and give details at 1 overleaf  Outside Perimeter Fence A. Outside Perimeter Fence A. Bearest Explosives Process Building (a) traversed B. Main Office  D. Magazine  R647 Composite Propellar Processing R673 Primary explosives Process Building (a) traversed and (b) untraversed B. Give numbers of all occupied non-explosive buildings within the 000 and give details at 1 overleaf  Outside Perimeter Fence F. Nearest building (dwelling house, church, etc.)  G. Wassert road	ROF, Waltham Abbey    Compatibility   Protective State - Traversed (I) or Untraversed (U) - State type of Traverse, and construction of building, walls and roof   Magazine   U. Brick, board and felt roof.   A   M2	ROF, Waltham Abbey    Protective State - Traversed (T) or Untraversed (U) - State type of Travers, and construction of building, walls and roof   Magazine	ROF, Waltham Abbey    Protective State -

PROPOSED LIMITS APPROVED

Date	24-7-	85	Chief Safe	y Officer	NImkus
c					

Building No.	Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this col	umn for C.S.O
		× ½					
	e to any factors influenci ditional potential hazard			s special p	rocedures o	r written instru	ictions that
Is the fire cove	er in accordance with the	recommended Estab	lishmen	t Fire Risk	Classifica	tion?	YES
		recommended Estab	lishmen	t Fire Risk	: Classifica	tion?	YES
Relaxation appro		recommended Estab		t Fire Risk	Classifica		YES
Relaxation aporo				t Fire Risk	Classifica	tion? Signature	YES
Relaxation approduced Advision		Perio	d	t Fire Risk	Classifica		YES
Relaxation appro		Perio	d		Classifica	Signature	YES
Relaxation approduction  Assert  Asser	oved	Perio	d			Signature ficer	YES
Relaxation approduction approach appropriate approach appro	oved	Perio	d To	Chie	f Safety Of	Signature ficer Date	YES
Is the fire cove Relaxation appro Hazard Division  Relaxation Extend Hazard Division	led (See Note v).	Perio	d To		f Safety Of	Signature ficer	YES

#### EXPLANATORY NOTES -

- i. Both the maximum permitted Man Limit (M) and the number normally present (N) are required.
- ii. State quantity of explosive in each Hazard Division.
- iii. The perimeter fence marks the boundary of the Establishment. It is not necessarily the "Danger Building" Fence.
- iv. An occupied building is one that is normally occupied during working hours, as distinct from one occasionally visited.

v. The detail of buildings and distances shown below should be checked to ensure no change has taken place before requesting an extension to the period covered by existing relaxation.

Establish			ABBEY				(11	lding No. grouped ldings.a	with	644 other letail	rooms or
Use			tive State - sed (T) or					PRO			
	Untra State and o			erse, f	Hazard Divisions	Compatiblity Groups	Man Limit M&N (Note i)			Explosive Limit (Note ii) (Kgs	
Explo Stor	sives ehouse	Bri	Earth ck, board t roof	and	1.1	D		M 3			1400
lf this i	s to replace an exis	sting li	imit, please	state da	te present	limit approved.					13.12.79
Explan- atory notes,	Factor influencing Explosives limit		Distance in Metres		per and use	of building		T or U	work pres M &	ent N	For C.S.O. use 6
111	Inside Perimeter Fo A. Nearest Explosi Storage Unit (a) traversed (b) untraversed	ives	50	2 3 50 R655 Explosives Sto			ouse	T Earth	M		
iv	B. Main Office		262	R663	Section	Office		U			
iv	C. Main Engineerin Workshop	ng	610	M332	2 Electri	cians Shop		U			
	D. Nearest Explosi Process Buildin (a) traversed (b) untraverse	ng a <b>n</b> d	120	R656	5			U	M 6	5	
iv)	E. Give numbers of occupied non-ex buildings with the OQD and give details at 1 ov	f all xplosiv in	90M PDS		e are al	R647 Uprocess					
	Outside Perimeter F. Nearest building (dwelling house church, etc.)	Fence	372	_'	ated cot						
	G. Nearest road, railway, canal river.		170 193	Lea Gric	Navigati I	.on					
Date	16-4-86	1	Signature			ATBell		p.p	. Hea	d of	Establishment
Unrelayed	Explosive Limits (	leave hi		s use)				1/	-		

# PROPOSED LIMITS APPROVED

Date	24 - 7 - 85	Chief Sa	afety 0	fficer	NImRus.
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1. Details of Buildings shown at E overleaf. (A sketch of the area should be attached)

Building No.	Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this column for C.S.O.
R634	Under conversion for Fragment Attack	90	Т	M4 N2		
R646	Plastic propellant blending	106	T	M6 N4		
R647	Plastic propellant mixing	163	T	M4 N2		

			7		
	ference to any factors influe the additional potential haza			pecial procedures or ⊎ritten ins	tructions that
ls the fi	re cover in accordance with t	he recommended Es	tahlishment Fi	re Risk Classification?	Yes
0.1.1.					
. Relaxatio	n approved				
Hazard		Pe	rjod	C	
Division		From	То	Signature S	
Limit					
(Kgs)		*			
				Chief Safety Officer	
				Date	
Relaxation	Extended (See Note v).				
Hazard		Pe	riod	Signature	1
Division	4	From	To	Signature	
1::.					
Limit			100		

Hazard	Per	iod	Signature
Division	From	То	Signature
Limit (Kgs)	· · · · · · · · · · · · · · · · · · ·	ZW.	Chief Safety Officer Date

#### EXPLANATORY NOTES -

i. Both the maximum permitted Man Limit (M) and the number normally present (N) are required.

ii. State quantity of explosive in each Hazard Division.

iii. The perimeter fence marks the boundary of the Establishment. It is not necessarily the "Danger Building" Fence.

iv. An occupied building is one that is normally occupied during working hours, as distinct from one occasionally visited.

v. The detail of buildings and distances shown below should be checked to ensure no change has taken place before requesting an extension to the period covered by existing relaxation.

	ment - PERME MOD(PE)						(If	lding No. grouped ldings, g	R646 with other ive detail	rooms or
Js <b>e</b>			tive State -					PRO	POSED	- 1
		Untrave State 1 and cor	sed (T) or ersed (U) - type of Trave astruction of no. walls and	erse, f	Hazard Divisions	Compatiblity Groups	Man L (Note	imit M&N i)		osive Limit e ii) (Kgs)
Plast: Blend:	ic Propellant ing	Bri	Earth ck walls rd & felt	roof	1.3	С	1	16 N4		1000
f this i	s to replace an exis	ting li	mit, please	state da	te present	limit approved.	<b></b>	2	1-4-76	
explan- atory notes,	Factor influencing Explosives limit		Distance in Metres 2	Numl	ber and use	of building		T or U	Workers present M & N 5	For C.S.O. use 6
iii	Inside Perimeter Fe A. Nearest Explosi Storage Unit (a) traversed (b) untraversed	ves	a) 45 b) 175		Propella Locker M	nt Magazine agazine		T	M3 NO M2 NO	
iv	B. Main Office		200	R663	Office	THE PART AND AND THE STATE OF T		Ū	16	
iv	C. Main Engineerin Workshop	g	400							
	D. Nearest Explosi Process Buildin	9	a) 51	R634	Fragment	Attack		T	M4 N2	
	(a) traversed	1	b) 45	R681	Office f	or R634		υ	my 112	
îv)	E. Give numbers of occupied non-ex buildings withi the OQD and giv details at 1 ov	all plosiv n	64	R638,	R647, R	648, R632				
	Outside Perimeter F. Nearest building (dwelling house, church, etc.)	Fence	555	Lock	Keepers	Cottage				
	G. Nearest road, railway, canal, river.		300 375	Grid Lea N	avigatio	n				
Date	17/1/80		Signature	F	HNewn				,	Establishmen

H) 1.3 C - 1000 Kep

	Date 2-4-81	Chief Safety Officer	NTonkees.
н	See overleaf for relaxations (when		

1.	Details of	Buildings	shown	at	E	overleaf.	(A	sketch	of	the	area	should	be	attached)
----	------------	-----------	-------	----	---	-----------	----	--------	----	-----	------	--------	----	-----------

Building No.	Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this column for C.S.O.
R638	Control Room for R634	57	υ	M4 N2		
R647 R648 R632	Plastic Propellant Incorporating	} 50	T	M6 N2		

2. Brief reference to any factors influencing the relaxation such as special procedures or written instructions that counter the additional potential hazard of the building:-

R646 is only occassionally used for blending(ca 1 day per month). R647, 648, 632 are unlikely to be in use at same time as R646 as same people involved. Personnel (M4N2) in R634, 638, 681 are seperate but overall limit applies to these 3 buildings as a group.

Is the fire cover in accordance with the recommended Establishment Fire Risk Classification?

Yes

#### 4. Relaxation approved

Hazard	Period		S:L	
Division		From -	То	Signature
Limit (Kgs)			el.	
		4 4 4 4		Chief Safety Officer  Date

Relaxation Extended (See Note v).

Hazard	Peri	od	Signature
Division	From To		Signature
Limit (Kgs)		(.)	Chief Safety Officer Date

#### EXPLANATORY NOTES -

i. Both the maximum permitted Man Limit (M) and the number normally present (N) are required.

ii. State quantity of explosive in each Hazard Division.

iii. The perimeter fence marks the boundary of the Establishment. It is not necessarily the "Danger Building" Fence.

iv. An occupied building is one that is normally occupied during working hours, as distinct from one occasionally visited.

v. The detail of buildings and distances shown below should be checked to ensure no change has taken place before requesting an extension to the period covered by existing relaxation.

Establish	ment -		¢√i	OD (PE)	ABBEY		(If	Building No. R647 (If grouped with other rooms or buildings, give details)				
Us <b>e</b>		Traver	tive State - sed (T) or ersed (U) -		Hazard	Compatiblity			POSED	O S E D  Explosive Limit (Note ii) (Kgs)		
		State f	type of Travenstruction of	rse, Lroof		Groups	(Note	and the same of th				
	Propellant pration	Bri	Earth ck walls rd & felt	1.3 C		M	M4 N3		450			
	s to replace an exis	ting li	mit, please	state da	te present	limit approved.	-	18.11.				
explan- atory notes,	Factor influencing Explosives limit	)	Distance in Metres	Numb	per and use	of building		T or U	workers present M & N	For C.S.O. use		
111	Inside Perimeter Fe A. Nearest Explosi	a) 47	R650 I		nt Magazine	T	M4 NO					
	Storage Unit (a) traversed (b) untraversed		ъ) 225	R688 I	ocker Ma	agazine	υ.	M2 NO				
iv	B. Main Office		187	R663	Offi <b>c</b> e			U	16			
iv	C. Main Engineerin Workshop	ng	>400									
	D. Nearest Explosi Process Buildin	19	a) 51	R648 F		Propellant :	Inco-	T	M4. N3			
	(a) traversed	b.d	ъ) 65		ffice fo	or R634	U	M4 N2				
îv)	E. Give numbers of occupied non-ex buildings within the OQD and give details at 1 ov	xplosiv n ve verleaf	50									
	Outside Perimeter F. Nearest building (dwelling house, church, etc.)	Fence	<b>&gt;</b> 400			×						
	G. Nearest road, railway, canal, river.	,	357	Grid	01							
Date	17/11/80		Signature		BANE	Thean			Head of	Establishmen		

HO1.3C- 450 Kep

Date 2-4-8/ Chief Safety Officer NImPus

Building No.	Use	Distand in metres	ce Tor	Workers present M & N	Remarks	Leave this column for C.S.		
			· #	1 150				
	<b>9</b> 9		-					
					10 6			
Is the fire c	over in accordance with the		5			tion?	Yes	
Is the fire c Relaxation ap	over in accordance with the	recommended E	o tablishmen				Yes	
	over in accordance with the	recommended E	5			tion? Signature	Yes	
Is the fire c Relaxation ap	over in accordance with the	recommended E	tahlishmen rjod	t Fire Risk		Signature	Yes	
Is the fire c Relaxation ap Hazard Division Hisit (Kgs)	over in accordance with the	recommended E	tahlishmen rjod	t Fire Risk	(Classifica	Signature ficer	Yes	
Is the fire c Relaxation ap Hazard Division Helaxation Ext Hazard	over in accordance with the	recommended E	tahlishmen rjod	t Fire Risk	(Classifica	Signature ficer Date	Yes	
Is the fire c Relaxation ap Hazard Division Limit (Kgs)	over in accordance with the	recommended E	eriod To	t Fire Risk	(Classifica	Signature ficer	Yes	

# EXPLANATORY NOTES -

i. Both the maximum permitted Man Limit (M) and the number normally present (N) are required.

ii. State quantity of explosive in each Hazard Division.

iii. The perimeter fence marks the boundary of the Establishment. It is not necessarily the "Danger Building" Fence.

iv. An occupied building is one that is normally occupied during working hours, as distinct from one occasionally visited.

v. The detail of buildings and distances shown below should be checked to ensure no change has taken place before

Establish		W VV	MOD(PE) WALTHAM ABBEY					Building No. R64 <b>5</b> (If grouped with other rooms or buildings, give details)				
Us <b>e</b>	1	Protective State [] Fraversed (T) or Intraversed (U) =	sex END	Hazard	Compatiblity		PRO	POSE	POSED			
	S	State type of Travend construction opening and construction opinions.	erse, f d roof	Divisions	Groups	Man Limit M& (Note i)			losive Limit te ii) (Kgs)			
	c Propellant pration	T,Earth Brick walls	Earth 1.3			C M4 N3			450			
f this i	s to replace an exist	ing limit, please	state da	te present	limit approved.	18	3.11.68					
explan- atory notes,	Factor influencing Explosives limit	Distance in Metres	T		of building		T or U	workers present M & N	For C.S.O.			
	1	2		3	-		4	5	6			
iii	Inside Perimeter Fen	12.1 4.1	R649 I	yrotechr	nic Magazine	T	M3NO	2				
	A. Nearest Explosiv Storage Unit (a) traversed (b) untraversed	b) 277	R688 I	Locker Ma	agazine	U	M2NO					
îv	B. Main Office	181	R663 (	ffice			Ū	16				
iv	C. Main Engineering Workshop	2400										
	D. Nearest Explosive Process Building (a) traversed a	a) 51	Incor	pration	Propellant		Т	M4N3				
	(b) untraversed	6) 115	R681	Office f	or R634		Ū	M4N2				
iv)	E. Give numbers of occupied non-exp buildings within the OQD and give	losive 50		•								
	the OQD and give details at 1 ove											
	Outside Perimeter F F. Nearest building (dwelling house, church, etc.)	<b>&gt;</b> 400										
	G. Nearest road, railway, canal, river.	<b>&gt;</b> 400		0								
	1/1/80	Signature		KANL	whan	•••••		. Head of	Establishme			
Unrelaxed	Explosive Limits (le	eave blank for CSO	's use)			-						

Date 2-4-8) Chief Safety Officer NIMReeg.

1. Details	of Buildings shown at E overleaf.	(A sketch of	the are	a should be	attached)	
Building No.	Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this column for
	Ş	3		g08.		

C.S.O. 2. Brief reference to any factors influencing the relaxation such as special procedures or written instructions that counter the additional potential hazard of the building:-Is the fire cover in accordance with the recommended Establishment Fire Risk Classification? YES 4. Relaxation approved Period Hazard Signature Division  $T_{0}$ From Limit (Kgs) Chief Safety Officer Date Relaxation Extended (See Note v).

Hazard Division	Per	riod	C* l
Division	From	To	Signature
Limit (Kgs)			Chief Safety Officer Date

#### EXPLANATORY NOTES -

i. Both the maximum permitted Man Limit (M) and the number normally present (N) are required.

ii. State quantity of explosive in each Hazard Division.

iii. The perimeter fence marks the boundary of the Establishment. It is not necessarily the "Danger Building" Fence.

iv. An occupied building is one that is normally occupied during working hours, as distinct from one occasionally visited.

v. The detail of buildings and distances shown below should be checked to ensure no change has taken place before requesting an extension to the period covered by existing relaxation.

Establish		Walt	ham Abbey	,	,		(If	lding No.	with o	other	rooms or
Us <b>e</b>			tive State - sed (T) or		UN		bui	ldings. g PRO			
			ersed (U) - type of Trave struction or no. walls and	Traverse, Atwaston on of CLASS		Compatiblity Groups	Man Limit M&N (Note i)			Explosive Limit (Note ii) (Kgs)	
Explosi	ve Storehouse		T, earth ck, board & felt roof		1.1 or 1.3	D C or G	MΔ	M4 N2		800 Or 4000	
If this i	s to replace an exis	ting li	mit, please	state dat	te present	limit approved.	24	.4.78			
Explan- atory notes ,	Factor influencing Explosives limit 1		Distance in Metres 2	Numb	per and use	of building		T or U	worke prese M &	ent	For C.S.O. use 6
111	Inside Perimeter Fe A. Nearest Explosiv Storage Unit (a) traversed (b) untraversed	ves	50	R650 Explosives storehouse				T earth	1	14 N2	
iv	B. Main Office		130	R663	ISRG Off	ice		U			
iv	C. Main Engineering Workshop	g	625	M331	Electric	ians shop		U	-	-	
	D. Nearest Explosive Process Building (a) traversed (b) untraverse	g and	50	Not full time use R648 Plastic propellant mixing				T earth		14 12	
iv)	E. Give numbers of occupied non-expluings within the OQD and give details at 1 over	all plosiv n	,	R631,	R631, R632, R647 These are porces shill			de			
	Outside Perimeter F F. Nearest building (dwelling house, church, etc.)	Bungalow at Hawes Lane									
	G. Nearest road, railway, canal, river.		500 425	Lea Na Grid	Lea Navigation canal Grid						
Date	16-4-84		Signature	•••••		J. Beld	•••••	pp	. Head	of E	stablishment

Unrelaxed Explosive Limits (leave blank for CSO's use)

# PROPOSED LIMITS APPROVED

Date 24 - 7- 85 Chief Safety Officer	NJunkies
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1. Details of Buildings shown at E overleaf. (A sketch of the area should be attached)

Building No.	Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this column for C.S.O.
R631	Plastic Propellant mixing control room	110	T earth	M4 N2		* 
R632	Plastic propellant mixing	110	₹ earth	M4 N2		
R647	Plastic propellant mixing	50	T earth	M4 N2		
	, .					
	-			20		

2. Brief reference to any factors influencing the relaxation such as special procedures or written instructions that counter the additional patential hazard of the building:-

R648	and	1 R64	47 a	re	controlle	d ren	notely	from	R631	and	are	only	occupied	briefly
(1 h)	our	per	day	at	maximum	when	proces	ssing						

3.	
is the fire cover in accordance with the recommended Establishment Fire Risk Classification?	YES

4. Relaxation approved

Hazard Division	Period		
	From .	To	Signature
Limit (Kgs)			Chief Safety Officer Date

Relaxation Extended (See Note v).

Hazard Division	Per	iod	Signature
	From	To	
Limit (Kgs)	ල ගැන සී ඉම්ර		Chief Safety Officer Date

#### EXPLANATORY NOTES -

- i. Both the maximum permitted Man Limit (M) and the number normally present (N) are required.
- ii. State quantity of explosive in each Hazard Division.
- iii. The perimeter fence marks the boundary of the Establishment. It is not necessarily the "Danger Building" Fence.
- iv. An occupied building is one that is normally occupied during working hours, as distinct from one occasionally visited.

v. The detail of buildings and distances shown below should be checked to ensure no change has taken place before requesting an extension to the period governed by existing relaxation.

Establishment - Use Protect			MOD (PE)  WALTHAM ABBEY  E-ex-640-18P					Building No. R650 (If grouped with other rooms or buildings, give details)			
			7				PRO	POSEC			
	Untrave State	ersed (U) - type of Travenstruction of	rse,	Hazard Divisions	Compatiblity Groups				osive Limit e ii) (Kgs)		
Explosive Storehouse T, Bri		Earth ick walls		1.3	С	M4NO		3000			
s to replace an exis	ting 1	mit, please	state da	te present	limit approved.		27.3.75				
		Distance in Metres						workers present M & N	For C.S.O. use		
A. Nearest Explosi Storage Unit	ves	a) 50 50 b) 212	R651 Explosives Storehouse R649 " " " " " " " " " " " " " " " " " " "			se	T T U	-	6		
B. Main Office		130	R663	Office			Ū	16			
C. Main Engineerin Workshop	ıg	>400									
Process Buildin	1g	a) 47	Incom	rporation	Ω		Т	M6N4	,		
(b) untraverse	h	b) 115	R681	Office:	for R634	******	U	M4N2			
occupied non-ex buildings withi	plosiv n	93	R646	, R648							
Outside Perimeter F. Nearest building	Fence	>400									
G. Nearest road, railway, canal,	,	375 <b>&gt;</b> 400	Grid	Va <b>vi</b> gatio	272						
	Factor influencing Explosives limit  Inside Perimeter Fe A. Nearest Explosi Storage Unit (a) traversed (b) untraversed B. Main Office  C. Main Engineerin Workshop  D. Nearest Explosi Process Buildin (a) traversed (b) untraversed (b) untraverses E. Give numbers of occupied non-expuildings within the OQD and give details at 1 ox  Outside Perimeter F. Nearest building (dwelling house church, etc.)  G. Nearest road,	Protect Travers Untravers State and corbuildir Type Storehouse  A. Nearest Explosives  Storage Unit (a) traversed (b) untraversed  B. Main Office  C. Main Engineering Workshop  D. Nearest Explosives  Process Building (a) traversed and (b) untraversed  E. Give numbers of all occupied non-explosive buildings within the OQD and give details at 1 overleaf  Outside Perimeter Fence  F. Nearest building (dwelling house, church, etc.)  G. Nearest road,	Protective State - Traversed (T) or Untraversed (U) - State type of Trave and construction of building, walls and T, Earth Brick walls Board & felt  Storeplace an existing limit, please  Factor influencing Explosives limit 1  Inside Perimeter Fence A. Nearest Explosives Storage Unit (a) traversed B. Main Office  C. Main Engineering Workshop  D. Nearest Explosives Process Building (a) traversed and (b) untraversed  E. Give numbers of all occupied non-explosive buildings within the OQD and give details at 1 overleaf  Outside Perimeter Fence F. Nearest building (dwelling house, church, etc.)  G. Nearest road,	Protective State - Traversed (T) or Untraversed (U) - State type of Traverse, and construction of building, walls and roof  T, Earth Brick walls Board & felt roof  sto replace an existing limit, please state da  Factor influencing Explosives limit  Inside Perimeter Fence A. Nearest Explosives Storage Unit (a) traversed (b) untraversed  B. Main Office  C. Main Engineering Workshop  D. Nearest Explosives Process Building (a) traversed and (b) untraversed  E. Give numbers of all occupied non-explosive buildings within the OQD and give details at 1 overleaf  Outside Perimeter Fence F. Nearest building (dwelling house, church, etc.)  G. Nearest road,  275  Craid	Protective State - Traversed (T) or Untraversed (U) - State type of Traverse, and construction of building, walls and roof  To Earth Brick walls Board & felt roof  Traversed (B) - State type of Traverse, and construction of building, walls and roof  To Earth Brick walls Board & felt roof  Traversed (B) Stance Explosives limit In Metres Inside Perimeter Fence Inside	Protective State - Traversed (T) or Untraversed (U) - State type of Traverse, and construction of building, walls and roof  To replace an existing limit, please state date present limit approved.  Factor influencing Explosives limit 1	Protective State - Traversed (I) or Untraversed (U) - State type of Iraverse, and construction of building, walls and roof  To replace an existing limit, please state date present limit approved.  Factor influencing Explosives In the Traversed (Buttaversed (Buttave	Protective State - Traversed (T) or Untraversed (U) - State type of Traverse, and construction of building, valls and roof  To replace an existing limit, please state date present limit approved.  Practor influencing Explosives Itmit in Metres 2  Inside Perimeter Fence A. Nearest Explosives Storage Unit (A) traversed (B) untraversed (C) untraversed	Protective State - Iraversed (I) or Untraversed (U) - Hazard Compatibility Man Limit MSN (Note 1) - State type of Iraverse, and construction of building, walls and roof.  To Earth Brick walls Board & felt roof  Sto replace an existing limit, please state date present limit approved.  Protective State - PROPOSE Description of building, walls and roof.  To Untraversed (U) - Hazard Compatibility Man Limit MSN (Note 1) (Note 1) (Note 2) (Note 3) (Note 3) (Note 4) (Note 3) (Note 4) (Note 4		

HO 1.30 - 3000kgs

Dat	e 2-4-81	Chief Safety	Officer	NImRug
	102			

1. Details of Buildings shown at E overleaf. (A sketch of the area should be attached)

Building No.	Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this column for C.S.O.
R646 R648	Plastic Propellant Blending Plastic Propellant	75 62	T	M6. N4		
R040	Incorporation			A		
				inor di		"

2.	Brief reference to any	factors influencing	the re	laxation such	as special	procedures or	written	instructions	that
	counter the additional	potential hazard of	the bu	ıilding:-					

Personnel in R646, 647, 648 are	the same people	

3.	
Is the fire cover in accordance with the recommended Establishment Fire Risk Classification?	Yes

#### 4. Relaxation approved

Hazard Division	Perjoc	}	C. I
	From	To	Signature
Limit (Kgs)			
	10.1 ·		Chief Safety Officer
			Date

Per	iod	1 1 (c) 1 (c
From	To	Signature
	V	Chief Safety Officer Date
		Period From To

#### EXPLANATORY NOTES -

i. Both the maximum permitted Man Limit (M) and the number normally present (N) are required.

ii. State quantity of explosive in each Hazard Division.

iii. The perimeter fence marks the boundary of the Establishment. It is not necessarily the "Danger Building" Fence.

iv. An occupied building is one that is normally occupied during working hours, as distinct from one occasionally visited.

v. The detail of buildings and distances shown below should be checked to ensure no change has taken place before requesting an extension to the period covered by existing relaxation.

Łstablish	MO Vp*A	D(PE)	¥			(If	lding No. grouped ldings. g	R65 with other ive detail	rooms or
1		ctive State -						POSEC	
	Untra State	ersed (T) or eversed (U) - e type of Travion of ling, walls an	erse, f	Hazard Divisions	Compatiblity Groups	Man Limit M&N (Note i)			osive Limit e ii) (Kgs)
Explos	sites Storehouse T B	, Earth rick walls oard & fel		1.3	С	M	4 NO		3000
lf this i	is to replace an existing	limit, please	state da	te present	limit approved.	. 2	22.1.71		
Explan- atory notes ,	Factor influencing Explosives limit	Distance in Metres	Num	ber and use	of building		T or U	workers present M & N 5	For C.S.O. use
111	Inside Perimeter Fence A. Nearest Explosives Storage Unit (a) traversed (b) untraversed	a) 50 b) 157	R650 Explosive Storehous R654 " " R688 Locker Magazine			se .	T T U	M3NO M3NO M2NO	louis est
îv	B. Main Office	160	R663	Office			υ	16	
iv	C. Main Engineering Workshop	7400							
	D. Nearest Explosives Process Building (a) traversed and (b) untraversed	a) 47	Blendi		ropellant		T	M6N4	
iv)	E. Give numbers of all occupied non-explosi buildings within the OQD and give details at 1 overles	v) 93	R647	ALAUE 10	11934			144142	
	Outside Perimeter Fence F. Nearest building (dwelling house, church, etc.)	>400							
	G. Nearest road, railway, canal, river.	325 400	Grid Lea N	a <b>vi</b> gatilo	n /				
TO DESCRIPTION OF THE PARTY OF	-		Carter and constraints	1/14	Newman		-Quantum strange or control or con-	-	,

Chief Safety Officer

1. Details of Buildings shown at E overleaf. (A sketch of the area should be attached)

Building No.	Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this column for C.S.O.
R647	Plastic Proppelant Incorporation	65	T	.M6N4	the state of the s	
			•			

2.	Brief reference to any	factors influencing	the relaxation such as specia	l procedures or written	instructions that
	counter the additional	potential hazard of	the building:-		

Personnel in R647 are same as R646		

J.	
Is the fire cover in accordance with the recommended Establishment Fire Risk Classification?	Yes

## 4. Relaxation approved

Hazard	Per	iod	C•1
Hazard Division	From	То	• Signature
Limit (Kgs)			
1			Chief Safety Officer
			Date

Hazard	Per	riod	c
Hazard Division	From	To	Signature
Limit (Kgs)			Chief Safety Officer Date

## MINISTRY OF DEFENCE (PROCUREMENT EXECUTIVE) - EXPLOSIVES LIMITS

CER(PE)71 (Revised 12/78) (Replacing Gen Form 49)

EXPLANATORY NOTES -

- i. Both the maximum permitted Man Limit (M) and the number normally present (N) are required.
- ii. State quantity of explosive in each Hazard Division.
- iii. The perimeter fence marks the boundary of the Establishment. It is not necessarily the "Danger Building" Fence.
- iv. An occupied building is one that is normally occupied during working hours, as distinct from one occasionally visited.

v. The detail of buildings and distances shown below should be checked to ensure no change has taken place before

****	Royal Ordnance, Wa	,	y•.	<b>-</b>		(15	lding No. grouped ldings. g	with oth	er rooms or ils)	
Use Protective State - Traversed (T) or Untraversed (U) - State type of Trave and construction of				Hazard Divisions					E D Explosive Limit (Note ii) (Kgs)	
	ry Explosive R/C wi	ding, walls and Inner ce Construct th R/C roof ow out wall tth.	ll of ion	1.1.	A,D & G	M6N	) jak		20 0 unit risk)	
lf this i	s to replace an existing	limit, please	state da	te present	limit approved.		N/A			
explan- atory notes ,	Factor influencing Explosives limit	Distance in Metres 2	Num	ber and use	of building		Tor U	present M & N	For C.S.O. use	
111	Inside Perimeter Fence  A. Nearest Explosives  Storage Unit  (a) traversed (b) untraversed	R 641 30 34	R 641	Prima: magazi	ry explosive ne magazine	<del></del>	T	M2NO M2H0		
iv	B. Main Office	78	R 663	ISRG (	fices		σ	N1	1	
İv	C. Main Engineering Workshop	400								
	D. Nearest Explosives Process Building (a) traversed and (b) untraversed	20 265	testir	ig and py	r explosive rrotechnic property property	proc.	T T	M6N4	İ	
iv)	E. Give numbers of all occupied non-explos buildings within the OQD and give details at 1 overla	180	R 662 R 665							
	Outside Perimeter Fend F. Nearest building (dwelling house, church, etc.)		Bung	-	Hames Lane ursery.					
	G. Nearest road, railway, canal, river.	335	Grid.	•						
Date	27-3-85	Signature			Setto			. Head o	f Establishmen	
Unrel axed	d Explosive Limits (leave	e blank for CSO	's use)							
Data		Chief Safatu N	fficon							

1. Details of Buildings shown at E overleaf. (A sketch of the area should be attached)

Building No.	Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this column for C.S.O.
R 662	Safety Offices	150	ੁੱਧ	N4		
R 665	Electronics Lab.	65	υ	и3		• •
		2 .				
					•	*

2. Brief reference to any factors influencing the relaxation such as special procedures or written instructions that counter the additional potential hazard of the building:-

Compatibility Group D covers materials taken to process, Group G for delay compositions produced. Purpose designed building for process, with blow out panel to panel. 10kg. 1s max. batch size. Normally only 1 batch in process, but possible 1 batch precipitating whilst second batch in sieving drying stage.

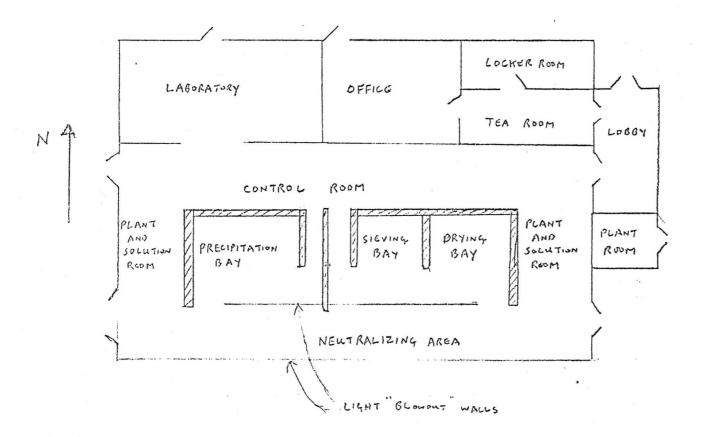
Is the fire cover in accordance with the recommended Establishment Fire Risk Classification?

Yes

4. Relaxation approved

Hazard	Per	iod	
Division	From -	To	Signature
Ligit (Kgs)		3	
			Chief Safety Officer  Date

Hazard	Period		C
Hazard Division	From	To	Signature
Limit (Kgs)			Chief Safety Officer
			Date



### MINISTRY OF DEFENCE (PROCUREMENT EXECUTIVE) - EXPLOSIVES LIMITS

CER(PE)71 (Revised 12/78) (Replacing Gen Form 49)

EXPLANATORY NOTES -

i. Both the maximum permitted Man Limit (H) and the number normally present (N) are required.

ii. State quantity of explosive in each Hazard Division.

iii. The perimeter fence marks the boundary of the Establishment. It is not necessarily the "Danger Building" Fence.

iv. An occupied building is one that is normally occupied during working hours, as distinct from one occasionally visited.

v. The detail of buildings and distances shown below should be checked to ensure no change has taken place before

westing an extension ment -	to the period	covered by e	xisting rei	axation.	Buil	ding No.	R 652	
		-	-	<b>Y</b>	(15	grouped	with other	
ן ט	raversed (T) ontraversed (U)	or -	Hazard Divisions	Compatiblity Groups	1	mit M&N	Exp	D nlosive Limit nte ii) (Kgs)
ary Explosive essing.	uilding valls U. Inner R/C constri with R/C r Blow out w	cell of uction	1.1.	A,D & G		*		20 0 unit risk)
s to replace an exist	ing limit, ple	ase state da	te present	limit approved.		N/A	41	
Factor influencing Explosives limit	in Metr		per and use	of building		T or U	present H & N	For C.S.O. use 6
Inside Perimeter Fence R 641 R 641 Primary explosive A. Nearest Explosives 30 magazine Storage Unit 34 R 642 Locker magazine				ne.	9	T T	M2NO	
B. Main Office	78	R 663	ISRG (	Offices		Ū	N1	1
C. Main Engineering Workshoo	400							
Process Building (a) traversed a	and 265	testir	ig and py	rotechnic p	proc.	U T		
E. Give numbers of occupied non-exp	all plosive 180							
Outside Perimeter F F. Nearest building	ence 365	Bung					2	
	335	Grid.	•					,
27-3-85	Signatu	re	B.(.)	Betto			. Head of	f Establishaen
d Explosive Limits (1)	eave blank for	CSO' <sub>S</sub> use)						
	Royal Ordnance,  P  I  U  Sary Explosive  essing.  Sto replace an exist  Factor influencing Explosives limit  1  Inside Perimeter Fen  A. Nearest Explosiv  Storage Unit  (a) traversed  B. Main Office  C. Main Engineering Workshoo  D. Nearest Explosiv  Process Building  (a) traversed a  (h) untraversed  E. Give numbers of occupied non-exp buildings within the OOD and give details at 1 ove  Outside Perimeter F  F. Nearest building (dwelling house, church, etc.)  G. Nearest road, railway, canal, river.	Royal Ordnance, Waltham A Traversed (I) of Untraversed (I) of State type of I and construction building, walls ary Explosive R/C construction with R/C resident and construction building, walls ary Explosive R/C construction with R/C resident R/C reside	Royal Ordnance, Waltham Abbey.  Protective State - Iraversed (I) or Untraversed (U) - State type of Iraverse, and construction of building, walls and roof.  Buy Explosive Processing.  W. Inner cell of R/C construction with R/C roof. Blow out wall to south.  Inside Perimeter Fence R 641 R	Royal Ordnance, Waltham Abbey.    Protective State -	Royal Ordnance, Waltham Abbey.    Protective State -	Royal Ordnance, Waltham Abbey.    Protective State -	Royal Ordnance, Waltham Abbey.    Protective State -   Traversed (I) or   Untraversed (U) -   State type of Traversed (I) or   Untraversed (U) -   State type of Traverse, and construction of building, valls of noulding, valls of multiding, valls	Royal Ordnance, Waltham Abbey.    Protective State -

1. Details of Buildings shown at E overleaf. (A sketch of the area should be attached)

Building No.	Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this column for C.S.O.
R 662	Safety Offices	150	ੁ ਹ	N4	-	
R 665	Electronics Lab.	65	σ	и3		
			-			
		3 .	•	•		

2. Brief reference to any factors influencing the relaxation such as special procedures or written instructions that counter the additional patential hazard of the building:-

Compatibility Group D covers materials taken to process, Group G for delay compositions produced. Purpose designed building for process, with blow out panel to panel. 10kg. 1s max. batch size. Normally only 1 batch in process, but possible 1 batch precipitating whilst second batch in sieving drying stage.

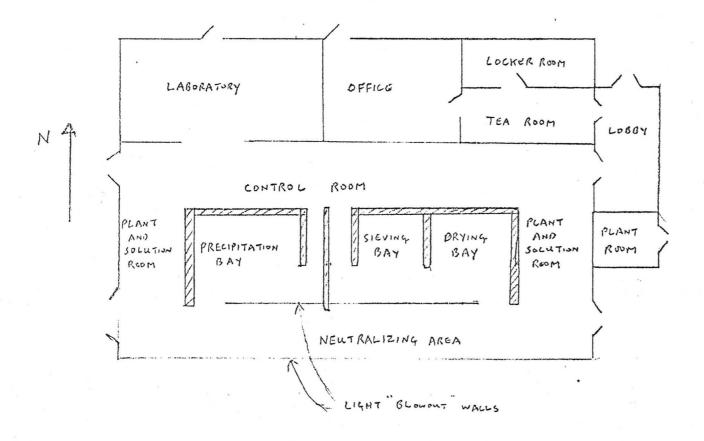
Is the fire cover in accordance with the recommended Establishment Fire Risk Classification?

Yes

#### 4. Relaxation approved

Hazard		Perji	od	<b>C.</b>
Division		From -	To	Signature
Licit (Kgs)	*			Chief Safety Officer

Hazard Division	Peri	od	C
	From	To	Signature
Lirit (Kgs)			
, 9-7			Chief Safety Officer
			Date



#### EXPLANATORY NOTES -

i. Both the maximum permitted Man Limit (M) and the number normally present (N) are required.

ii. State quantity of explosive in each Hazard Division.

See overleaf for relaxations (where appropriate)

iii. The perimeter fence marks the boundary of the Establishment. It is not necessarily the "Danger Building" Fence.

iv. An occupied building is one that is normally occupied during working hours, as distinct from one occasionally visited.

Establish	MOD PERME V		ВЕҮ			(If		R654 with other ive detail	
Js <b>e</b>	Travers Untrave	tive State - sed (T) or ersed (U) - type of Traver astruction of up, walls and	rse,	Hazard Divisions	Compatiblity Groups	Man L (Note	imit M&N		osive Limit e ii) (Kgs)
Explos		arth. k, B&F ro	of.	(a) 1.1 or (b) 1.3	(a) C or D or (b) C	M4	NO	(a (b	) 1200 or ) 5000
f this i	s to replace an existing li	mit, please s	state dat	te present	limit approved.	12.	3.74		
explan- atory notes ,	Factor influencing Explosives limit	Distance in Metres 2			of building		T or U	Workers present M & N 5	For C.S.O. use 6
iii	Inside Perimeter Fence A. Nearest Explosives Storage Unit (a) traversed (b) untraversed	51	R655 Explosive Storehouse					M4 NO	visolosa imo oton
iv	B. Main Office	170	R663	Office	U	16			
î۷	C. Main Engineering Workshop	>400	7						
ā	D. Nearest Explosives Process Building (a) traversed and (b) untraversed	112	R656	Section	Workshop/Of	fices	U	M8 N6	
îv)	E. Give numbers of all occupied non-explosiv buildings within the OQD and give details at 1 overleaf	170	R634, R647,		681, R646,				
	Outside Perimeter Fence F. Nearest building (dwelling house, church, etc.)	>400							
	G. Nearest road, railway, canal, river.	272	$\Omega$	Centre					
	6 OCT 1981	Signature		1. Newma	u			. Head of	Establishmen
unrelaxed	l Explosive Limits (leave bl								
	(e)			- 125	o Kep				
		06		_ 50					

1. Details of Buildings shown at E overleaf. (A sketch of the area should be attached)

Building No.	Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this column for C.S.O.
R634 R638 R681 R646 R647	Fragment Attack Control room for R634 Office for R634 Plastic Propellant Blending Plastic Propellant Manufacture Hazardous Chemicals Lab	112) 105) 115) 65 110 130		M4 N2 M6 N4 M4 N2 M5 N4		

2. Brief reference to any factors influencing the relaxation such as special procedures or written instructions that counter the additional potential hazard of the building:-

Explosives in wooden boxes. R646 only in occasional use, R647 only rarely occupied.

3.

Is the fire cover in accordance with the recommended Establishment Fire Risk Classification?

Yes

4. Relaxation approved

Hazard		Per	iod	C. I				
Hazard Division	From To		То	Signature				
Limit (Kgs)								
			100 0 1 10	Chief Safety Officer				
-		35.00		Date				

Per	iod	Signature					
From							
		Chief Safety Officer Date					
		Period From To					

#### EXPLANATORY NOTES -

- i. Both the maximum permitted Man Limit (M) and the number normally present (N) are required.
- ii. State quantity of explosive in each Hazard Division.
- iii. The perimeter fence marks the boundary of the Establishment. It is not necessarily the "Danger Building" Fence.
- iv. An occupied building is one that is normally occupied during working hours, as distinct from one occasionally visited.

stablish			E WALTHAM			ri l	(If		R655 with other ive detail	
Js <b>e</b>		tive State - sed (T) or ersed (U) - type of Trave istruction of	erse,	Hazard Divisions	Compatiblity Groups	PR( Man Limit M&N (Note i)			) losive Limit te ii) (Kgs)	
Explos	sive Storehouse	T Ea	arth. ck, B&F r		(a) 1.1 or (b) 1.3	(a) C or [ or (b) C	M4	NO	(a) (b)	1000 or 5000
f this i	s to replace an exis	ting li	mit nlease	state da	te present	limit approved	7	.1.72		
xplan- atory notes,	Factor influencing Explosives limit		Distance in Metres		ber and use	of building		T or U	Workers present M & N	For C.S.O.
iii	Inside Perimeter Fe A. Nearest Explosi Storage Unit (a) traversed (b) untraversed	ves	51	R654	Explosiv	es Storehou	ıse	4	-5 ж лі	6 ovizolox
iv	B. Main Office		215	R663	Office	(4)		U	16	
iv	C. Main Engineerir Workshop	ıg	>400							Management of the Control of the Con
	D. Nearest Explosi Process Buildir (a) traversed (b) untraverse	g and	57	R656	Section	workshop/of	ffice	U	M8 N6	
iv)	E. Give numbers of occupied non-ex buildings withi the OQD and giv details at 1 ov	all plosiv n	150	R634,	, R638					
	Outside Perimeter F. Nearest building (dwelling house church, etc.)	Fence	>400					•		
	G. Nearest road, railway, canal,		232	Grid	Centre					
Date Unrelaxed	Explosive Limits (1	eave b	Signature		Newma	n			. Head of	Establishmer
			HD 1-30		_ (000	O Kep				
		(b)	HO 1.30	_	_ 500	OKp				

1.	Details of	Buildings	shown	at	E	overleaf.	(A	sketch	of	the	area	should	be	attached)

Building No.	Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this column for C.S.O.
R634 R638	Fragment Attack Control room for R634	130 ) 112 )		M4 N2		
96 B		. 1 : 1 - f.,   1   1 - f.		. 1004	r i i i	

2.	Brief reference to any	factors influencing	the re	elaxation	such as	special	procedures	or written	instructions	that
	counter the additional	potential hazard of	the bu	uilding:-						

s and the same of		
Explosives in wooden boxes.		
	<	

3.	
Is the fire cover in accordance with the recommended Establishment Fire Risk Classification?	Yes

#### 4. Relaxation approved

Hazard		Per	iod	C. 1
Hazard Division		From -	To	Signature <
Limit (Kgs)				
	1 m m m m m m m m m m m m m m m m m m m			Chief Safety Officer  Date

Hazard Division	Per	iod	Signature
Division	From	То	Signature
Limit (Kgs)			Chief Safety Officer Date

#### MINISTRY OF TECHNOLOGY EXPLOSIVES LIMITS

ESTABLISHMENT -	ERDE			BUILDING (STATE BU			TH	
(Where appropriate).				WHICH GI	ROUPED	- IF	ANY)	
							PR	OPOSED
Use		ctive State		Safety	Explosi	ves I	MAN LIMIT	EXPLOSIVES LIMIT (1bs)
Untra Stat Trav cons		raversed (U) -  te type of  verse, or, if (U),  struction of		Distance Category	Group (s)			State quantity of each Category separately. If separate limits cannot be quoted for Z and ZZ, show the sum of the two.
		U rick, wit ight Roof		Y Y	100		-	100
If this is to replace an e	xisting	limit, plea	ise stat	e date present	limit a	pproved	- :	29.11.1965
Factor Influencing Explosives Limit		Distance in feet 2		and use uilding 3	T or U 4	Man Limit 5		For C.S.O. use 6
NSIDE PERIMETER FENCE A. Nearest Explosives Storage Unit (a) traversed (b) untraversed		225	R.65		T Earth	3		
B. Main Office		740	R.66	Offices	U	***		
C. Main Engineering Workshop		1,030	R.662 ISRG Workshop		U			
D. Nearest Process Building (If untraversed state construction		250		7 osives ratory	U Brick Light Roof	<b>C</b> ess		
E. Any other occupied building nearer than D		-		-		610		
OUTSIDE PERIMETER F F. Nearest Building (Dwelling house Church, etc.)	ENCE	65 2,080	flood	ide Fence to l relief cho Keeper's	1			
G. Nearest Road, Railway, Canal, River. (Give details)		730	Lea N	Javigation				
Date 25/10/68			Signa	ture VI.6	wew	>	Head	of Establishment
JNRELAXED EXPLOSIVE	S LIM	Contract of the Contract of th						A Section of the sect
Category (i) Limit (lbs)	Х	Y		Z			ZZ	
ii) Special Cases covered	(withou	ut relaxatio	(00 on)	•	-			-
						M/ A	·	/11
SEE OVERLEAF FOR RE	TAXAT	<u>IONS</u> (Wher	e appro	pr <b>i</b> ate)	Ch	MU lef Safe	ty Off	icer

18.11.68 (Date)

(Include all buildings other than Latrines and Services Installations normally unattended)  (Include all buildings other than Latrines and Services Installations normally unattended)  (Include all buildings other than Latrines and Services Installations normally unattended)  (Include all buildings other than Latrines and Services Installations normally unattended)  (Include all buildings other than Latrines and Services Installations normally unattended)  (Include all buildings other than Latrines and Services Installations normally unattended)  (Include all buildings other than Latrines and Services Installations normally unattended)  (Include all buildings other than Latrines and Services Installations normally unattended)  (Include all buildings other than Latrines and Services Installations normally unattended)  (Include all buildings other than Latrines and Services Installations normally unattended)  (Include all buildings other than Latrines and Services Installations normally unattended)  (Include all buildings other than Latrines and Services Installations normally unattended)  (Include all buildings other than Latrines and Services Installations normally unattended)  (Include all buildings other than Latrines and Services Installations normally unattended)		T REQUIRED EXCEE ORMATION IS REQU	DS THE UNRELAXED	LIMITS (OVE	RLEAF)	THE FO	LLOWIN	<u>IG</u>	
(2) (1) Distance for Peak Pressure of 15 p.s.i	(1) Charge/We	ight Ratio of Ca	tegory Z Items						
(2) (1) Distance for Feek Pressure of 15 p.s.i. ft. (Cats. X and ZZ only) (11) Inside Storage Safety Distance ft. (Per Explosives Regs.1960) (3) Buildings within either of the distances at (2)  Building No. Use Distance T Man (ft) or Limit Research (ft) or Limit Research (1) Any other Factors Influencing Relaxation (e.g. Maximum Unit Fisk - nature of explosives (RDX/TNT, Neonite, S.R etc.) - attach sketch showing distribution of explosive within building)  (5) RELAXATION APPROVED  Category X Y Z ZZ Period Signature LIMIT (lbs) Chief Safety Officer (Date Relaxation (Date RELAXATION EXTENDED)  LIMIT (lbs) Chief Safety Officer (Date RELAXATION EXTENDED)  LIMIT (lbs)		ITEM					Ğ	HARGE/WT.	RATIO
(2) (1) Distance for Feek Pressure of 15 p.s.i. ft. (Cats. X and ZZ only) (11) Inside Storage Safety Distance ft. (Per Explosives Regs.1960) (3) Buildings within either of the distances at (2)  Building No. Use Distance T Man (ft) or Limit Research (ft) or Limit Research (1) Any other Factors Influencing Relaxation (e.g. Maximum Unit Fisk - nature of explosives (RDX/TNT, Neonite, S.R etc.) - attach sketch showing distribution of explosive within building)  (5) RELAXATION APPROVED  Category X Y Z ZZ Period Signature LIMIT (lbs) Chief Safety Officer (Date Relaxation (Date RELAXATION EXTENDED)  LIMIT (lbs) Chief Safety Officer (Date RELAXATION EXTENDED)  LIMIT (lbs)									67
(2) (1) Distance for Peak Pressure of 15 p.s.i. ft. (Cats. Z and ZZ only) (11) Inside Storage Safety Distance ft. (Per Explosives Regs.1960)  (3) Buildings within either of the distances at (2)  Building No. Use Distance ft. (Per Explosives Regs.1960)  (4) Any other Factors Influencing Relaxation (e.g. Naximum Unit risk - nature of explosives (RDX/TNT, Nconite, S.R etc.) - attach sketch showing distribution of explosive within building)  (5) RELAXATION APPROVED  Category X Y Z ZZ Period Signature  LINIT (10s)  Chief Safety Officer (Dat									
(1) Distance for Peak Pressure of 15 p.s.i	<u></u>			× 4/					
(11) Inside Storage Safety Distance	(2) (1) Pisto	nee for Deals Dro	aguno of 4E n a	:			e+ /	Co.t.c. 7 01	
Building No.   Use   Distance   T   Man   Limit   Pemarks									
(Include all buildings other than Latrines and Services installations normally unattended)  (4) Any other Factors Influencing Relaxation (e.g. Maximum Unit risk - nature of explosives (RDX/TNT, Neonite, S.R etc.) - attach sketch showing distribution of explosive within building)  (5) Relaxation APPROVED  Category X Y Z ZZ Period Signature  LIMIT (1bs)  Chief Safety Officer (Dat	(3) Buildings	within either o	f the distances a	at (2)					
(4) Any other Factors Influencing Relaxation (e.g. Maximum Unit risk - nature of explosives (RDX/TNT. Neonite, S.R etc.) - attach sketch showing distribution of explosive within building)  (5) RELAXATION APPROVED  Category X Y Z ZZ Period From To Signature  LIMIT (1bg)  Chief Safety Officer (Dat LIMIT (1bg))			Use-	X			or		Remarks
(4) Any other Factors Influencing Relaxation (e.g. Maximum Unit risk - nature of explosives (RDX/TNT. Neonite, S.R etc.) - attach sketch showing distribution of explosive within building)  (5) RELAXATION APPROVED  Category X Y Z ZZ Period From To Signature  LIMIT (1bg)  Chief Safety Officer (Dat LIMIT (1bg))									
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(4) Any other Factors Influencing Relaxation (e.g. Maximum Unit risk - nature of explosives (RDX/TNT. Neonite, S.R etc.) - attach sketch showing distribution of explosive within building)  (5) RELAXATION APPROVED  Category X Y Z ZZ Period Signature  From To  Chief Safety Officer (Dat  RELAXATION EXTENDED  LIMIT (1bs)									
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(e.g. Maximum Unit risk - nature of explosives (RDX/TNT. Neonite, S.R etc.) - attach sketch showing distribution of explosive within building)  (5) RELAXATION APPROVED  Category X Y Z ZZ Period Signature  From To  Chief Safety Officer (Dat  RELAXATION EXTENDED  LIMIT (1bs)  RELAXATION EXTENDED  LIMIT (1bs)				S. M. L.					
attach sketch showing distribution of explosive within building)  (5) RELAXATION APPROVED  Category X Y Z ZZ Period Signature  LIMIT (lbs)  Chief Safety Officer (Dat LIMIT (lbs))				sives (RDY/T	UT NO	nite S	. P	et c	) -
(5) <u>RELAXATION APPROVED</u> Category X Y Z ZZ Period Signature  LIMIT (1bs)  Chief Safety Officer (Dat  RELAXATION EXTENDED  LIMIT (1bs)							Dette .		
(5) RELAXATION APPROVED  Category X Y Z ZZ Period Signature  LIMIT (1bs)  Chief Safety Officer (Dat LIMIT (1bs))									
Category   X   Y   Z   ZZ   Period   Signature									
Category   X   Y   Z   ZZ   Period   Signature				200		p in			
Category         X         Y         Z         ZZ         Period         Signature           LIMIT (lbs)         (lbs)         Chief Safety Officer (Dated to the content of the content	The second second second second		2.2	Section 1	dif.	135			
Category X Y Z ZZ From To  LIMIT (lbs)  Chief Safety Officer (Dat  RELAXATION EXTENDED  LIMIT (lbs)	(5) RELAXATION	N APPROVED		organisti.	ibol	010		1	
LIMIT (1bs)  RELAXATION EXTENDED (Date of the content of the conte	Catagory	, v	7 77		Per	iod			Gianatuna
(lbs)  Chief Safety Officer (Date of the control of	Category	I I	4 44	From	n	To	)	***	Signature
Chief Safety Officer (Dat  RELAXATION EXTENDED  LIMIT (1bs)				= -					
RELAXATION EXTENDED LIMIT (1bs)	( <u>lbs</u> )								- 1 m
LIMIT (1bs)								Chief S	(Date)
( <u>1bs</u> )		TENDED							
Chief Safety Officer			NO.		00				
								Chief S	Safe <mark>ty</mark> Officer (Date)
LIMIT	LIMIT		Andrew Control of the			×			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
( <u>1bs</u> )				Q					

Chief Safety Officer

(Date)

#### EXPLANATORY NOTES -

i. Both the maximum permitted Man Limit (M) and the number normally present (N) are required.

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Establish	ment - MOD PER	ME WAI	LTHAM ABB	EY			(If	lding No. grouped ldinas.o	with o		rooms or
Us <b>e</b>			ive State -						P 0 5		
		Untrave State t and con	ed (T) or rsed (U) - ype of Trave struction of o, walls and	erse, f	Hazard Divisions	Compatiblity Groups	Man L (Note	imit M&N		Expl	osive Limit e ii) (Kgs)
Explos	ive Storehouse		arth. ck, B&F r	oof	(a) 1.1 or (b) 1.3	(a) C or D or (b) C	M4	NO		(a) (b)	800 or 5000
f this i	s to replace an exis	ting li	mit. please	state da	te present	limit approved	12	.3.74			
explan- atory notes ,	Factor influencing Explosives limit		Distance in Metres			of building		T or U	worke prese M &	ent	For C.S.O. use
îîî	Inside Perimeter Fe A. Nearest Explosi Storage Unit (a) traversed (b) untraversed	ves	51	R654 I		es Storehou	se	Т	M4	NO	v i and m
iv	B. Main Office		130	R663 (	Office			U	1	6	
iv	C. Main Engineerin Workshop	g	>400								
	D. Nearest Explosi Process Buildin (a) traversed (b) untraverse	g and	70	R665 I	Hazardous	s Chemicals	Lab	U	M5	N4	
îv)	E. Give numbers of occupied non-ex buildings withi the OQD and giv details at 1 ov	all plosive n	130	R656				,			
	Outside Perimeter F. Nearest building (dwelling house, church, etc.)	Fence	>400								
	G. Nearest road, railway, canal, river.		300	Grid (	Centre						
Date	2 6 OCT 1981		Signature	K.H.	Newman				. Head	d of	Establishmer
Jnrel axed	i Explosive Limits (1	eave bl									
			(a) H	0 1010	- Ca.	800Kep 5000Kep					

(C) HD 1.1C+D PLUS HD1.2E (SOKOMAX 1.2E) PLUS HD1.4 CHS

Date	12-11-81	Chief	Safety	Officer	NIMICES
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1.	Details of	Buildings	shown	at	E	overleaf.	(A	sketch	of	the	area	should	be	attached)
----	------------	-----------	-------	----	---	-----------	----	--------	----	-----	------	--------	----	-----------

Building No.	Use	Distance in metres	Tor	Workers present M & N	Remarks	Leave this column for C.S.O.
R656	Section workshop/office	97		M8 N6		
199					-1-10	

2.	Brief reference to any	factors influencing	the relaxation	such as	special	procedures or	written	instructions	that
	counter the additional	potential hazard of	the building:-						

Explosives in wooden boxes.		
	<	

Is the fire cover in accordance with the recommended Establishment Fire Risk Classification?	Yes

## 4. Relaxation approved

Hazard		Period		ç		
Hazard Division		From	To	Signature		
Limit (Kgs)						
	*.			Chief Safety Officer		
2 - 1				Date		

Hazard	Per	riod	C
Hazard Division	From	To	Signature
Limit (Kgs)			•
			Chief Safety Officer
		9	Date

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stablish	ment - MOD PE		ALTHAM AB	ВЕҮ			(If			r rooms or ls)
lse			ive State -					PRO	POSEI	)
-		Untrave State t	sed (T) or ersed (U) - type of Trave istruction of or walls and	erse,	Hazard Divisions	Compatiblity Groups	Man L (Note	imit M&N	Exp	losive Limit te ii) (Kgs)
Explos	ive Storehouse		arth. ck, B&F r	oof.	(a) 1.1 or (b) 1.3	or	M4	NO	(a) (b)	
f this i	s to replace an exis	ting li	mit. please	state dat	te present	limit approved.	22	.2.72		
xplan- itory otes ,	Factor influencing Explosives limit		Distance in Metres		per and use	of building	Les les	TorU	workers present M & N	For C.S.O. use
iii	Inside Perimeter Fe A. Nearest Explosi Storage Unit (a) traversed (b) untraversed	ves	51	R658	Explosiv	e Storehous	se	T	M4 NO	6
iv	B. Main Office		97	R663	Office			U	16	
iv	C. Main Engineerin Workshop	g	>400							
	D. Nearest Explosi Process Buildin (a) traversed (b) untraverse	g and	70	R665	Hazardou	s Chemicals	Lab	U	M5 N4	
iv)	E. Give numbers of occupied non-ex buildings within the OQD and give details at 1 ov	all plosiv n	95	None	A					
	Outside Perimeter F. Nearest building (dwelling house, church, etc.)	Fence	>400							
	G. Nearest road, railway, canal, river.		350	0	Centre					
ate	-6-00T-1981		Signature	D.H.	Newman	~			. Head of	Establishmen
	Explosive Limits (1	eave bl	ank for CSO!	s use)						
			HO 1.1		_ 50	ookep				

(b) H) 1,32 OR CC) HD 1.1C+D PLUSHD1.2E PLUS 1.43-TOTAL 500Kg (HD1.2E 50KgMHX . Chief Safety Officer .

Building No.	Use	Distan in metres		Workers present M & N	Remarks	Leave this col	umn for C.S.C
	-		× -26			<i>3</i>	
7-						7 7 68	
	cover in accordance with	the recommended b	stablishmen 	t Fire Kisk	Classifica	tion?	Yes
Relaxation	approved						
azard		Р	eriod			0.	
Division		From	To			Signature	
init		From	То	Chie	f Safety Of		
isit Kgs)	xtended (See Note v).	From	То	Chie	f Safety Of	ficer	
lisit (Kgs)	xtended (See Note v).		eriod To	Chie	f Safety Of	ficer	

Date

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- i. Both the maximum permitted Man Limit (M) and the number normally present (N) are required.
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v. The detail of buildings and distances shown below should be checked to ensure no change has taken place before requesting an extension to the period covered by existing relaxation.

Establish	MOD PER	ME WALTI		BEY			(If	grouped	R659 / with other ive detail	rooms or
Use	T <sub>r</sub> Ur	ntraversed	ctive State - rsed (T) or versed (U) - type of Traverse, onstruction of		Hazard Divisions	Compatiblity Groups	- 1	PRO	POSE C	
	ar bu	nd construction will ding. wa	ction of alls and	roof_	DIVISIONS	or oups	(11018	''	(NO	e II) (kgs)
Explos		T Earth. Brick, E		of.	1.1	D	M3	NO	30	00
	s to replace an existi	i <mark>n</mark> g limit,	please	state da	te present	limit approved.	28.	2.72		
explan- atory notes,	Factor influencing Explosives limit		tance letres 2	Num	ber and use	of building		T or U	workers present M & N 5	For C.S.O. use 6
111				R660	Explosive	e Storehous	е	Т	M3 N0	
iv	B. Main Office	7	70	R663	Section (	Office		U	16	
iv	C. Main Engineering Workshop	>4	100	-						
	D. Nearest Explosive Process Building (a) traversed ar	5	92	R665	Hazardous	s Chemicals	Lab	U	M5 N4	
iv)	E. Give numbers of a occupied non-expl buildings within the OQD and give details at 1 over	losive	58	None			***************************************			
	Outside Perimeter Fe F. Nearest building (dwelling house, church, etc.)	ence	100							
	G. Nearest road, railway, canal, river.	4	100	0	Centre		one forest out of the control			
Date	2 6 OCT 1981	C+	ature	D.H	1. Newma	m _			11-1-6	Establishmer

HD 1.11) - 300Kg OR BOOKGTOTAL THD1.1D PLUS HD 1.2\*D PLUS HD 1.45 +1.40 SOKY LIMIT FOR HD 1.2\*D)

Date	12-11-81	Chief	Safety	Officer	NAMRES.
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Building No.	Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this colu	mn for C.S.O.
	_		5				
counter the ad	ditional potential hazard	of the building					
Is the fire cov	er in accordance with the	recommended Est	ahlishmen	t Fire Risk	Classifica	tion?	Yes
Relaxation appr	oved						
lazard		Per	iod			Signature	
Division		From -	To			orgnature	
-init (Kgs)			es ker				
				Chie	f Safety Of	Date	
Relaxation Exten	ded (See Note v).						
dazard Division		Per	iod To			Signature	
		1 1.011	10				

Date

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Establish	MOD, PERME		ABBEY			(If	ding No. grouped dings. g	R660 vith other ive detail	rooms or
Jse	Traver Untrav	tive State - sed (T) or ersed (U) - type of Trave		Hazard Divisions	Compatiblity Groups	Man L' (Note	imit M&N		osive Limit
	and co	type of Travenstruction of no. walls and	f d_roof						
Explos	sives Storehouse T	, Earth Brick B & F ro	oof	1.1	D	M3	NO	3	350
f this i	s to replace an existing 1	imit, please	state dat	e present	limit approved.	28	2 72		
xplan- atory notes,	Factor influencing Explosives limit	Distance in Metres			of building		T or U	workers present M & N 5	For C.S.O. use 6
iii	Inside Perimeter Fence  A. Nearest Explosives Storage Unit (a) traversed (b) untraversed	51	R659		e Storehous	е	od <b>T</b> ž ()	M3 NO	i boolyle
iv	B. Main Office	75	R663	Section	Office		U	16	
iv	C. Main Engineering Workshop	>400							
7	D. Nearest Explosives Process Building (a) traversed and (b) untraversed	77	R662	Safety S	ection Offi	ce	U	N5	
iv)	E. Give numbers of all occupied non-explosiv buildings within the OQD and give details at 1 overleaf	75	None		,				
	Outside Perimeter Fence F. Nearest building (dwelling house, church, etc.)	>400							
	G. Nearest road, railway, canal,	460m >400	Super	and Po	DS				

Unrelaxed Explosive Limits (leave blank for CSO's use)

		HD 1.11) - 350 Kgp OK	
	TOTAL QUARTITY	I DAY M ITW INFTICAL TEACH	
	NOT TO EXCEED 350 Kg	BAY B HD 1.1D+1.1C+1.2D+1.3C+1.4S	
,	(Excluding HD 1.4)	(BAYC HD 1.18+1.48+1.48 (MAX HD 1.18 2	5 Kg
Date	12-11-81	Chief Safety Officer NJMRees -	

Building No.	Use	Distance in metres	Tor	Workers present M & N	Remarks	Leave this colum	n for C.S.O
	mag _ fry	· «		/ I	.a (4. a	laja y 137	
, , ,							
						-	
		1	*				
				1.00			
				7 (1)(1) 7 *			
	er in accordance with the n					ition?	YES
Relaxation appr			hlishmen				YES
Relaxation appr		recommended Esta	hlishmen			Signature	SHEROPOLE TO THE STATE OF THE S
Relaxation appr azard livision		recommended Esta	hlishmen od				
Is the fire cov Relaxation appr azard Division isit Kgs)		recommended Esta	hlishmen od				
Relaxation appr azard ivision		recommended Esta	hlishmen od	t Fire Risk		Signature	
Relaxation appr azard ivision		recommended Esta	hlishmen od	t Fire Risk	(Classifica	Signature	
Relaxation appr azard ivision imit Kgs)		Peri	hlishmen od To	t Fire Risk	(Classifica	Signature	
Relaxation apprazard ivision isit Kgs)	nved	Peri	hlishmen od To	t Fire Risk	(Classifica	Signature ficer Date	
Relaxation apor azard ivision isit (gs)	nved	Peri	hlishmen od To	t Fire Risk	(Classifica	Signature	SHEROPOLE TO THE STATE OF THE S
Relaxation appr azard division isit Kgs)	nved	Peri	od To	t Fire Risk	(Classifica	Signature ficer Date	

Date

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red	e detail of buildings westing an extension	and or	e period cov	ered by e	should be c xisting rel	hecked to ensur axation.	e no c	hange has	taken p	lace before
Establish	Royal Ord	inance	e, Walthan	Abbey	,		(1f	lding No. grouped ldings. o	with oth	er rooms or
Us <b>e</b>			tive State -						POSE	
		Untrave State t	sed (T) or ersed (U) - type of Trave astruction of no. walls and	rse,	Hazard Divisions	Compatiblity Groups	Man L (Note	imit M&N	Ex	olosive Limit ote ii) (Kgs)
	ive processing orage trials		3" Brick d & Felt	roof	1.1 & 1.3	D & G	МЗ	N2		ovens
							en particularity			5kg. in
lf this i	s to replace an exis	ting li	mit, please	state dat	e present 1	limit approved.	12	-8-81		
explan- atory notes,	Factor influencing Explosives limit		Distance in Metres	Numb		of building		TorU	present M & N	For C.S.O.
iii	Inside Perimeter Fe	nce	80	D 657	3 The 3 and a	C4		4	5	6
111	A. Nearest Explosi		t		_	re Storehou	se.	T	MANO	
	Storage Unit (a) traversed (b) untraversed		50	R 691	Locker M	iagazine		υ	M2NO	٠
iv	B. Main Office		157	R 663	ISRD Off	ice		U	N 16	
iv	C. Main Engineerin Workshop	g	>400							
	D. Nearest Explosi Process Buildin (a) traversed	g and	67	Hazard	lous Cher	icals Labs	•	υ	M5N4	
iv)	E. Give numbers of occupied non-ex buildings withi the OQD and giv details at 1 ov	all plosive n e erleaf								
	Outside Perimeter F. Nearest building (dwelling house, church, etc.)		>400							-
	G. Nearest road, railway, canal, river.		3 <b>65</b> 245		avigation centre l					
)ate	10-10-85	••••	Signature	••••••		Bels	•••••	рр	. Head of	Establishment
Inrelaxed	Explosive Limits (1	eave bl	ank for CSO! MITS #	s use)	VED F	ORTHE PE	ERIO	DUN	ML 1,	/1/90
SUB:	torage only of two to be held Humbity Cabo approved for a	HE F	Kg in o	JING ach	ENDORS	SEMENTS Live Over	s-Ci	BAYII	Limits of	M.No
ate	12-4-88	Chi	ef Safety Of	ficer	N	Luke	2	•••••		
	eaf for relaxations									

1.	Details of	Buildings	chown	at E	overleaf.	(A	sketch	of	the	area	should	be	attached)
----	------------	-----------	-------	------	-----------	----	--------	----	-----	------	--------	----	-----------

Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this column for C.S.O.
	* 3				
					,
		•			
	Use	use in metres	Use in metres U	Use in present metres U M & N	Use in present Remarks metres U M&N

2. Brief reference to any factors influencing the relaxation such as special procedures or written instructions that counter the additional patential hazard of the building:-

Building divided internally into 4 bays.by 9" brick walls. Ovens in Bay 1 separated by 9" brick walls. Bay 2 inert storage. Only 1 piece of ecuipment in Bay 3 in use at a time. Bay 4 will only be used for 1 of D or G compatibility group at a time, and separate benches kept for each group.

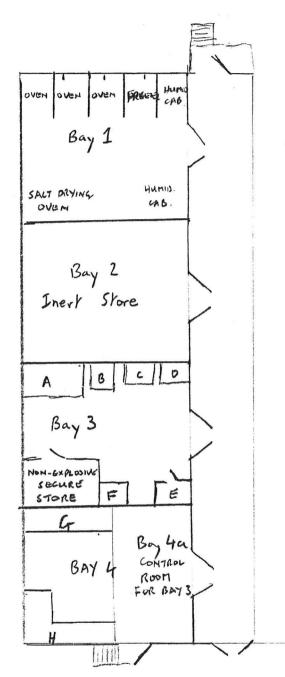
Is the fire cover in accordance with the recommended Establishment Fire Risk Classification?

Yes

#### 4. Relaxation approved

Hazard		Per	iod	C
Hazard Division		From .	То	- Signature
Limit (Kos)				
				Chief Safety Officer
	S S S S SAMPA			Date

Wazard		Per	iod	C
Jivision	,	From	To	Signature
Limit (Kgs)				Chief Safety Officer Date



Overs, Treeze & Humidity Cabuset. 5 kg max each 1.1 or 1.3 c, Dorg. Oven Bays at East End 9" block walls separate, them.

A = Armoral supposal

B = 5kg mixe

D: Bench For 500g mixer or extrude (10kg)

E : Salt grander in dust tylt enclosure F : Press

G : Bouch for unheading & packing HE (5kg)

H = Bench For handling salls and (5 kg) Group G materials

N.B.(1) Only process in By 3 in use (2) Only admitted on one beach in By If at a time

6 DEC '89 13:02 A.A.R.D.E.

PAGE.01

DIRECTOR, SAPETY SERVICES OFGANISATION, MINISTRY OF DEFENCE (PE). STATION SQUARE HOUSE, ST MARY CRAY, ORPINGTON, KENT BR5 3RE TEL: 0689 77378 18T TELEN: 896866

FACSIMILE MESSAGE

Classification Procedence,

Number of Pages (Including this)

ONE

RO WAZTHAM ABBEY-TUGHES ESO RAFDE F/H

FROM: PETER STONE OUR REFERENCE: DESERVE DIS/11/120/1

MESSAGE: FURTHER TO OUR TEZEPHONE CONVENSATION

THE EXPLOSIVES LICENCE FOR BUILDING R666 ON THE SOUTH SITE AT R.O. WALTHAM ABBEY IS EXTENDED FOR A PERIOD OF A FURTHER 12 MONTHS. THE LICENCE WILL NOW EXPIRE ON 1/1/91

Peter Stone For Director DSSO(PE)

COPY TO : LICENCE

11.0m.

11

## MESSAGE TO RECIPIENT:

Please deliver this document to the addressee. If unable to do so please contact originater.

#### EXPLANATORY NOTES -

i. Both the maximum permitted Man Limit (M) and the number normally present (N) are required.

- ii. State quantity of each category of explosive separately if possible. Give charge to weight ratio of Z items and say if joined to Y items.
- iii. The perimeter fence marks the boundary of the Establishment. It is not necessarily the "Danger Building" Fence.
- iv. Sub Offices or Auxiliary Workshops within the Outside Quantity Distance, (see Section 6, Appendix 6C of Av. P42 Revised 1975) will be entered at E and described in more detail at 1 overleaf.
- v.Mention should be made here of all other occupied buildings within the OQD except those in Classes A & D which have already been considered.
- An occupied building is one that is normally occupied during working hours, as distinct from one occasionally visited. vi. The detail of buildings and distances shown below should be checked to ensure no change has taken place before requesting an extension to the period covered by existing relaxation.

Establis	hment - ERDE		X					(if grow	g No. R6 uped with gs, give d	other rooms on	
Use	The best back to 181 to	Trave Untra State 11 (U	ctive State rsed (T) or versed (U) - type of Tra ), construct ing, walls a	verse, or	Quantity Distance Category	Explosive Group(s)	200000	Limit M&l		Explosive Limit (Note ii) (Kgs)	
Explos		š	rick ight Roof		ANY	ANY		M 3 N 2	March and otherwise desired	235	
if this	is to replace an exi	sting 1	imit. please	state dat	e present	limit approved.	1	1 1971			
Explan- atory notes	Factor influence Explosives lim	ing	Distance in Metres	G	mber and u	se of building		T or U	Workers present M & N	For C.S.O. use	
111	Inside Perimeter F A. Nearest Explosi Storage Unit (a) traversed (b) untraversed	ves	158		R657 Magazin			T Earth	M 3 N 2	Unossista.	
iv	B. Main Office		255	R663	ISRG Off	ices		U	-		
iv	C. Main Engineerin Workshop	E .		The state of the s				-	-		
	D. Nearest Explosi Process Buildin (a) traversed (b) untraversed	g	146		R672 ation and otechnic	d storage		U Brick	M 3 N 2		
iv) v)	E. Give numbers of other occupied buildings withi the OQD and giv details at 1 ov	n e	-		69/1/1				•		
	Outside Perimeter F. Nearest buildin (dwelling house church, etc.)	g	21 710	relief	e fence channel eepers H	•		-	-		
	G. Nearest road, railway, canal, river.		247	Lea Na	vigation			The second secon	The second secon	and the second s	
Date .8	n December 1	975	Signature			BELLAMY			. Head of	Establishment	
Inrelaxe Catego Limi	d Explosive Limits	X		У	B1 1104	Jama	n	ZZ			
Date See over	leaf for relaxations	(where			er						

Building No.		Use		Distance in metres		Workers present M & N	Remarks	Leave this column for C.S.
								337 2
			litur is o					
			-					
at counter	r the addi	tional poter	tial hazar	d of the build	ing:-		deita of total	
Relaxat	ion approv	ed,		T				
ategory	X	Y Z	ZZ	from	to			Signature
Limit (Kgs)				eanRiv	- I			
							Chief Safet	y Officer
laxation 1	Extended (	See Note vi)	The rise leaveness	nde noko	la Jerry			
ategory	X	Y Z	ZZ	Per	iod to			Signature
Limit (Kgs)			. fs	si ol sa	. (1 ) \$ (2 ) \$ (2 )		Ohtes cos	T. Occion
					6.677		Chief Salet	y Officer
levetion 1	Extended (	See Note vi)						
				Per	iod			
ategory	X	Y Z	ZZ	from	to			Signature
Limit (Kgs)								
							Chief Cofet	y Officer

Date



# Procurement Executive Ministry of Defence SAFETY SERVICES ORGANISATION ROOM 602

Block A-B Station Square House St Mary Cray

Telex 896866

Orpington Kent BR53RE

Telephone Orpington 32111 ext 16

The Director
PERME
Powdermill Lane
Waltham Abbey
Essex
EN9 1BP.

Attn: Mr A T Betts, Estab. SO

Your reference

Our reference
D/Safety/11/101/1B
Date

2 February 1983

#### RELAXED LICENCE FOR R667 FACILITIES

- 1. This licence is extended to June 30 1983 to allow refurbishing of this facility to be completed.
- 2. Please attach a copy of the memo to the licence you hold.

J WALKER

for Chief Safety Officer

#### EXPLINATORY NOTES -

i. Both the maximum permitted Man Limit (M) and the number normally present (N) are required.

ii. State quantity of explosive in each Hazard Division.

iii. The perimeter fence marks the boundary of the Establishment. It is not necessarily the "Danger Building" Fence.

iv. An occupied building is one that is normally occupied during working hours, as distinct from one occasionally visited.

v. The detail of buildings and distances shown below should be checked to ensure no change has taken place before requesting an extension to the period covered by existing relaxation.

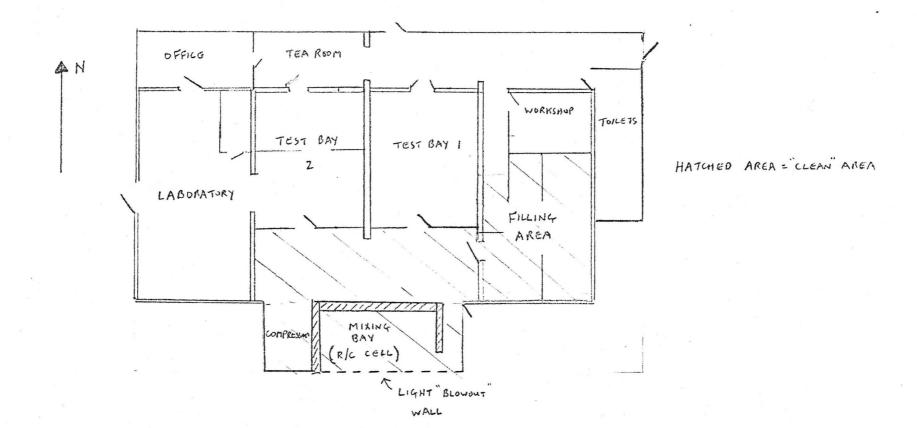
Establish	ROF, Walt	cham Abbey				(If	lding No. grouped ldings. g	R672 with other ive detail	rooms or
Jse	Traver Untrav State and co	tive State - sed (T) or versed (U) - type of Trave unstruction of ng, walls and	erse, f d roof	Hazard Divisions	Compatiblity Groups	Man L (Note	imit M&N		osive Limit e ii) (Kgs)
	chnic	Brick, bo felt roof		1.1 + 1.1	A,B G	M6	N4		kg kg
f this i	s to replace an existing l	imit. please	state da	te present	limit approved.		_	•	
xplan- atory notes,	Factor influencing Explosives limit	Distance in Metres			of building		T or U	Workers present M & N 5	For C.S.O. use 6
iii	Inside Perimeter Fence  A. Nearest Explosives Storage Unit	22	R641 magaz	zine	explosive		T	M2 NO	
	(a) traversed (b) untraversed	7	R690	Pyrotec	hnic Store	nouse	U	M2 NO	
iv	D W - 0.54		R663	R663 ISRG Office			U	N11	
iv	C. Main Engineering Workshop	>400							
	D. Nearest Explosives Process Building	260	R646	Blendir	g House		T	M4 NO	
	(a) traversed and (b) untraversed	20	R651	Primary	Explosive		U	M6 N4	
iv)	E. Give numbers of all occupied non-explosive buildings within the OQD and give details at 1 overleaf	-			process	sing			
	Outside Perimeter Fence F. Nearest building (dwelling house, church, etc.)		_	alow at H rsery	lawes Lane				
	G. Nearest road, railway, canal, river.	285	Grid						
Date	20 1 2 1401	Signature	Der Geregen, er stellte geregen freis der stellte sein		AT DOLD		no	Head of	Establishmer

## PROPOSED LIMITS APPROVED

UNIT RISK TO BE NO HORE THAN 2169

Dat	25-7-85	Chief Safety Officer	NJM Rees
See	overlest for relevations (wh	ene annonniate)	**

Building No.	Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this c	column fo	r C.S.O
	e to any factors influe ditional potential haza			is special p	orocedures o	or written inst	ructions	that
				-				DATE OF THE PARTY
Is the fire cov	er in accordance with t	he recommended Es	tahlishmen	t Fire Risk	« Classifica	ation?		YES
		he recommended Es	tahlishmen	t Fire Risk	⟨ Classifica	ation?		YES
Relaxation apor			tablishmen jod	t Fire Risk	∢ Classifica			YES
Relaxation apor				t Fire Risk	< Classifica	ation? Signature		YES
Relaxation apor azard Division		Pe	jiod	t Fire Risk	« Classifica			YES
Relaxation apor lazard Division		Pe	jiod		c Classifica	Signature		YES
Relaxation apor azard Division init Kgs)		Pe	iod To			Signature ficer		YES
Relaxation appraisant azard livision light Kgs)	nved	Pei From	iod To			Signature  Ficer Date		YES
Relaxation apor	nved	Pei From	riod To			Signature ficer		YES



#### EXPLANATORY NOTES -

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iv. An occupied building is one that is normally occupied during working hours, as distinct from one occasionally visited.

v. The detail of buildings and distances shown below should be checked to ensure no change has taken place before requesting an extension to the period covered by existing relaxation.

Establish	ROF, Waltha		ak soo wakkiinkiin ii baaska k			(If		R673 with other ive detail	
Us <b>e</b>	Traver Untrav	tive State - sed (T) or ersed (U) -		Hazard	Compatiblity		mit M&N		osive Limit
	State and co buildi	type of Trave nstruction of no. walls and	rse, roof	Divisions	Groups	(Note	1)	(Not	e ii) (Kgs)
Labor		Brick, boa felt roof	ard	1.1	А	M8 N	6	0.	.3
If this i	is to replace an existing l	imit, please	state da	te present	limit approved.	-	_		
Explan- atory notes ,	Factor influencing Explosives limit	Distance in Metres 2			of building		T or U	Workers present M & N 5	For C.S.O. use 6
iii	Inside Perimeter Fence A. Nearest Explosives Storage Unit	67	R641 magaz		explosive		T	M2 NO	
	(a) traversed (b) untraversed	25	R642	Locker	magazine		U	M2 No	
iv	B. Main Office	60	R663	ISRG Of	fice		U	N11	
iv	C. Main Engineering Workshop	>400							
	D. Nearest Explosives Process Building	265	R647 proce	Composi essing	te Propella	ant	T	M4 N3	
	(a) traversed and (b) untraversed	20	R652	Primary	Explosive		U	M6 N4	
îv)	E. Give numbers of all occupied non-explosiv buildings within the OQD and give details at 1 overleaf	-			proces	ssing			
	Outside Perimeter Fence F. Nearest building (dwelling house, church, etc.)	340	_	alow at F	lawes Lane				
	J. J. J. J. J. J. J. J. J. J. J. J. J. J						***************************************		

Unrelaxed Explosive Limits (leave blank for CSO's use)

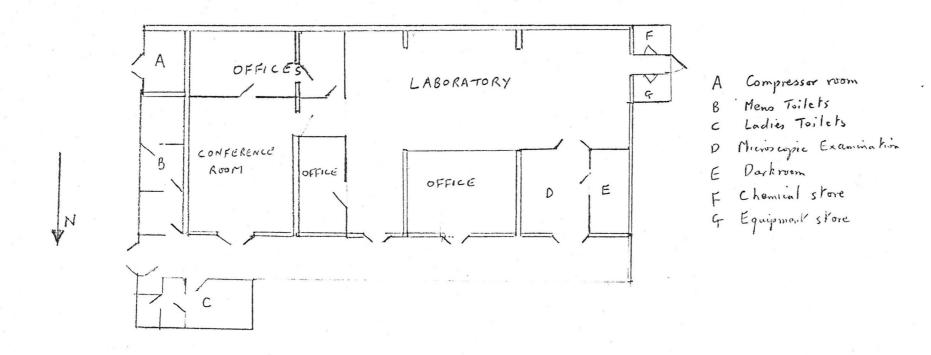
## PROPOSED LIMITS APPROVED

Date	25-7-85	Chief Safety Officer	N Junkes
Soo	overleaf for relayations (wh	ana anananiata)	· · ·

1. Details of Buildings shown at E overleaf. (A sketch of the area should be attached) T or Distance Workers Building Use Leave this column for C.S.O. Remarks present in No. M & N U metres Brief reference to any factors influencing the relaxation such as special procedures or written instructions that counter the additional patential hazard of the building:-Explosives handled in armoured cupboards, max unit risk 50 g, usually much smaller. Is the fire cover in accordance with the recommended Establishment Fire Risk Classification? YES 4. Relaxation approved Period Hazard Signature Division To From Limit (Kgs) Chief Safety Officer Date Relaxation Extended (See Note v). Period Hazard Signature Division From To Limit (Kgs)

Chief Safety Officer

Date



## EXPLANATORY NOTES -

i. Both the maximum permitted Man Limit (M) and the number normally present (N) are required.

ii. State quantity of explosive in each Hazard Division.

See overleaf for relaxations (where appropriate)

iii. The perimeter fence marks the boundary of the Establishment. It is not necessarily the "Danger Building" Fence.

iv. An occupied building is one that is normally occupied during working hours, as distinct from one occasionally visited.

v. The detail of buildings and distances shown below should be checked to ensure no change has taken place before

Establish	renue WAI	JTHAM ABBE	Y ESSEZ	ζ		(If	lding No. grouped ldings. g	R680 with othe ive detai	er rooms or ls)
Js <b>e</b>		tive State - sed (T) or			. 1 23		PRO	POSE	D
	Untrav	ersed (U) - type of Trave nstruction of no. walls and	erse, f	Hazard Divisions	Compatiblity Groups		n Limit M&N ote i)		olosive Limit ote ii) (Kgs)
2 Locke	er Magazine Star	dard ERDE	Pattn	a) 1.1 or b) 1.3	Any		MZNO	Ъ	) 2kg or ) 5kg (per ocker)
f this i	s to replace an existing l	imit, please	state da	te present	limit approved.		*		
explan- atory notes,	Factor influencing Explosives limit	Distance in Metres	1		of building		T or U	Workers present M & N 5	For C.S.O. use
111	Inside Perimeter Fence A. Nearest Explosives Storage Unit (a) traversed (b) untraversed  R691 Detonator Store R657 Explosives Stopehouse					ıse	U	M2NO M3NO	
iv	B. Main Office 240 Ro63 Office						U	16	
iv	C. Main Engineering Workshop	> 400							
	D. Nearest Explosives Process Building (a) traversed and (b) untraversed	8 90	(Rare	Explosively used)		tion	U	M3NO	
iv)	E. Give numbers of all occupied non-explosiv buildings within the OQD and give details at 1 overleaf								
	Outside Perimeter Fence F. Nearest building (dwelling house, church, etc.)	>400							
and and an experience and an experience and an experience and an experience and an experience and an experience	G. Nearest road, railway, canal, river.	185		Centre I					
-	15/8/80			BANE	www			. Head of	Establishmen
Jnrelaxed	d Explosive Limits (leave b	lank for CSO!	s use)						
	0 R (	a) 40 b) 40	1.1 -	- 2K	er ? Pu	lveko	j		
ate	1.10	ief Safety Of		41	mRies				

Building No.	Use	Distanc in metres	e T or	Workers present M & N	Remarks	Leave this colum	nn for C.S.O.
	C		ý.			13.12	
Is the fire	cover in accordance with th		10.5 S			tion?	Yes
Relaxation	approved						
Hazard Division		Per From	riod To			Signature	
Ligit (Kgs)				Chie	f Safety Of	ficer Date	
		1	1	1			
Relaxation E	xtended (See Note v).						
Relaxation E Hazard Division	xtended (See Note v).	Per	riod			Signature	

## EXPLANATORY NOTES -

- i. Both the maximum permitted Man Limit (M) and the number normally present (N) are required.
- ii. State quantity of explosive in each Hazard Division.
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- iv. An occupied building is one that is normally occupied during working hours, as distinct from one occasionally visited.

v. The detail of buildings and distances shown below should be checked to ensure no change has taken place before requesting an extension to the period covered by existing relaxation.

Establish	MOD PERM	1E WALTHAM A	BBEY			(If		R683 with other ive detail	
Us <b>e</b>		tective State - versed (T) or					PRO	POSED	
	Unt Sta and	raversed (U) - te type of Trave construction of					Man Limit M&N (Note i)		osive Limit e ii) (Kgs)
Explos		Earth & S1 Gleeper roof		1.1	D	M2	NO	1	
lf this i	s to replace an existin	g limit, please	state da	te present	limit approved.	4.3	3.69		
explan- atory notes,	Factor influencing Explosives limit 1	Distance in Metres 2	Num	ber and use	of building			Workers present M & N 5	For C.S.O. use 6
111	Inside Perimeter Fence A. Nearest Explosives Storage Unit (a) traversed (b) untraversed	1 //)		Proposed Expense Magazine on Burning Ground			7 5 Pq 7	i nets	erá tu
iv	B. Main Office	290	R663	Section	Office		U	16	
iv	C. Main Engineering Workshop	>400							
	D. Nearest Explosives Process Building (a) traversed and (b) untraversed	175	R 67 Init		xplosive La	b	U	M6 N4	
iv)	E. Give numbers of al occupied non-explo buildings within the OQD and give details at 1 overl	siv							
	Outside Perimeter Fen F. Nearest building (dwelling house, church, etc.)	337	Bunga Nursa		Hawes Lane				
	G. Nearest road, railway, canal, river.	257	Grid	Centre					
	2 6 OCT 1981		10	H. Hewn	44				

HD 1010 - 1Kg.

Date	12-11-81	Chief Safety Officer	NImkees.

Building No.	Use	Distance in metres		Workers present M & N	Remarks	Leave this col	umn for C.S.O
	-	~ 4					
						*	
Constru	uction of pit is such th	at no fragn	ments e	scape.			
ls the fire	cover in accordance with the rec	commended Estab	lishment	Fire Risk	Classifica	tion?	Yes
Relaxation a	pproved						
azard livision		Perio	T <sub>O</sub>			Signature	
			. 3				
init (Kgs)				Chie	f Safety Off	Ficer Date	
Kgs)	tended (See Note v).			Chie	f Safety Off		
(Kgs)	tended (See Note v).	Perio	d To	Chie	f Safety Off		

## EXPLANATORY NOTES -

i. Both the maximum permitted Man Limit (M) and the number normally present (N) are required.

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v. The detail of buildings and distances shown below should be checked to ensure no change has taken place before requesting an extension to the period covered by existing relaxation.

Establish		40D, F	PERME WALT	ГНАМ АВІ	BEY		(IT	groupea	Upen ra SW of F with other ive detail	R683 rooms or
Us <b>e</b>		Travers Untrave	tive State - sed (T) or ersed (U) - type of Trave istruction of no, walls and		Hazard Divisions	Compatiblity Groups		PRO	POSE [	
Firing	Trials	Оре	n ground		1.1	D	2	1	M3	3 N2
If this i	is to replace an exis	sting li	mit, please	state dat	te present	limit approved.				
txplan- atory notes,	Factor influencing Explosives limit		Distance in Metres 2	1	-	of building		T or U	Workers present M & N 5	For C.S.O. use 6
iii	Inside Perimeter Fence A. Nearest Explosives 137				Proposed Expense Magazine on Burning Ground					ipen sige syno blas Eleinss c
iv	B. Main Office		<b>3</b> 50	R663	Section	Office		U	16	WILLIAM (X.10-)
iv	C. Main Engineerin	ng	>400							
	D. Nearest Explosi Process Buildir (a) traversed (b) untraverse	ng and	50	R683	Explosi	ve Firing F	it	T	M2 NO	
iv)	E. Give numbers of occupied non-exbuildings within the OQD and give details at 1 over the occupied of the occupied occup	Fall xplosiv in	-							
	Outside Perimeter F. Nearest building (dwelling house church, etc.)	Fence	300	Bunga	low at H	awes Lane N	lurser	у		
	G. Nearest road, railway, canal, river.		272	Grid	Centre					
Date	26 OCT 1981		Signature	B.H	Newman				. Head of	Establi shment
Unrelaxed	d Explosive Limits (1	leave bl	_							

Unrelaxed Explosive Limits (leave blank for CSO's use)

H)1.10 - 2Kgs

Date	10-12-81	Chief Safety Officer	paulee
1.0			

Building No.	Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this colum	n for C.S.O.
		~ ~ <i>~ 4</i>					
				150			
Max charge	not give rise to 0.5 kg						
Rolavation ann	hevor			t Fire Risk	Classifica	tion?	YES
Relaxation appo	roved			t Fire Risk	Classifica	tion?	YES
Hazard	roved	Perj		t Fire Risk	Classifica	tion? Signature	YES
Relaxation appr Hazard Division Limit (Kgs)	roved		od		f Safety Of	Signature	YES
Hazard Division Limit (Kgs)	nded (See Note v).		od			Signature	YES
Hazard Division Limit (Kgs)			od To			Signature Sicer Date	YES
Hazard Division Limit (Kgs)		From	od To			Signature	YES



# Health & Safety Executive

Magdalen House Stanley Precinct Bootle L20 3QZ Merseyside

Telephone Direct line 051-951 Switchboard 051-951 4000

Telex 628235 Facsimile 051-922 7918

Dr D J Hewkin Royal Ordnance Sewardstone Road WALTHAM ABBEY Essex EN9 1AY

Your reference

RO/WA/6/6/3/1

Our reference

10

XI4111/R15/3

Date

February 1987

Dear Dr Hewkin

I refer to your letter dated 16 December, about the proposed 12 m drop test facility, and the previous meeting with your consultant, Mr B Smith, on 26 November last.

At the meeting with Mr Smith, I agreed to license the facility for the testing of explosives substances only, provided the explosive limit would be 10 kg of Hazard Division 1.1, or 25 kg of Hazard Division 1.3. I suggested to Mr Smith that he should ask you to agree the reduced quantity for Hazard Division 1.1 in a letter to me. Am I right to assume that you accept this?

The so-called "Conditions for grant of HSE licence" are, in fact, Mr Smith's suggestions to be incorporated into your Working Instructions for the building. They are not conditions for the grant of a licence. Safe systems of work are a general requirement for all your work activities, and are not routinely vetted at all. No doubt you will wish to make additional arrangements. For example, you may well have decided that in order to ensure that the lower quantity limit proposed is not exceeded, all substances are submitted to a LSV test prior to the 12 m drop test.

Once I have drafted the necessary documents, I will send them to you. In the meantime, I have no objections to you using the facility, as described in Mr Betts' application dated 6/3/86, provided only substances are tested, and the quantity limitations above are adopted.

Yours sincerely

M H GOOSE

HM Inspector of Explosives



Mr M H Goose
HMIE - HSE
Magdalen House
Stanley Precinct
BOOTLE
Merseyside
L20 3QZ

**Explosives Division**Research and
Development Centre

Sewardstone Road Waltham Abbey Essex EN9 1AY England Telephone 0992 713030 Telex 267455

/6 December 1986

RO/WA/6/6/3/1

Dear Mr Goose

# 12 METRE DROP TEST - REVISED APPLICATION FOR R687 AT WALTHAM ABBEY

I have received a copy of conditions under which HSE consider that the site can be used. I am content to work with these conditions and will operate to them if the licence is granted. A copy of the conditions is attached for completeness.

Yours sincerely

Lord / Krokin D J HEWKIN

Manager Hazard Assessment

Copy Mr A Belts ESO

## WALTHAM ABBEY - 12 METRE DROP TEST

Conditions for Grant of HSE Licence.

- 1. The Licence will be valid only for packaged explosives substances. No articles or cased explosives packaged or unpackaged will be tested on the rig.
- 2. When a new explosive composition or a variation of a previously tested composition is presented for test as HD 1.3, the packaged substance is to be certified at Superintendent level that there is no reason to suppose that an event would be worse than that expected from a packaged HD 1.3 substance in the amount to be tested and in the type of packaging used.
- 3. The packaging for the explosives to be tested will be either of wood or fibre board and so far as is reasonably practicable no metal fittings will be used.
- 4. The package containing the explosives will be slung from the release unit of the lifting equipment by means of a non-metallic rope or sling.
- 5. All metal objects will be removed as far as is practicable from the explosives when they are in effectively untraversed position. The time the packages under test are held at the top of the tower will be kept as short as possible and will never exceed five minutes.
- 6. No package will be dropped more than once.
- 7. All substances will have been subjected to a small bonfire test before similar substances are presented for drop test.
- 8. No tests will be carried when weather conditions are such that the effects of an event would be enhanced.
- 9. All personnel on site shall be under cover, in a safe place when the drop is made.



Mr M H Goose HM Inspector of Explosives Health and Safety Executive Magdalen House Stanley Precinct BOOTLE Merseyside L20 3QZ

**Explosives Division** 

Research and Development Centre

Sewardstone Road Waltham Abbey Essex EN9 1AY England Telephone 0992 713030 Telex 267455

/8 February 1987

RO/WA/6/6/3/1

Dear Mr Goose

RE: XI 4111/R15/3

Thank you for your letter. I am content to operate within the limits you propose (ie 25 Kg HD 1.3 or 10 Kg HD 1.1 and explosive substances only) and look forward to receiving the documents in due course.

Yours sincerely

D J HEWKIN

David Herken

Manager Hazard Assessment

## MINISTRY OF TECHNOLOGY EXPLOSIVES LIMITS

ESTABLISHMENT -	E.R	.D.E.		BUILDING (STATE B		R.68		
(Where appropriate).		341		WHICH G				
					AND THE PERSON NAMED IN COLUMN 2 IN COLUMN		PR	OPOSED
Use		ctive State		Safety	Explosi	ves	MAN LIMIT	EXPLOSIVES LIMIT (1bs)
	Untra State Trave	rsed (T) or versed (U) type of rse, or, if ruction of ing	-	Distance Gategory	Group (	s)		State quantity of each Category separately. If separate limits cannot be quoted for Z and ZZ, show the sum of the two.
Dropping Trials		Open		ANY	ANY		3	15
If this is to replace an ex	isting	limit, plea	ase st <mark>a</mark> t	e date present	limit a	pproved	-	pm
Factor Influencing Explosives Limit		Distance in feet 2	1	and use uilding	T or U 4	Man Limit 5		For C.S.O. use
NSIDE PERIMETER FENCE A. Nearest Explosives Storage Unit (a) traversed (b) untraversed		1,135	Magaz:	R.658 ine	T Earth	3		
B. Main Office		870		R.663 Offices	Ū	200		
C. Main Engineering Workshop	4 1 5 m 1	970		R.662 Workshop	U	_	- 2	
D. Nearest Process Building (If untraversed state construction		790	Pa <b>c</b> ka	R.671 ging	U Brick Light Roof	4.	- 1	
E. Any other occupied building nearer than D		650 625	R.672 R.673	Photograph Engineerin Research	rg U		QU	ERY USE.
OUTSIDE PERIMETER FIF. Nearest Building (Dwelling house Church, etc.)	ENCE			at end of				
G. Nearest Road, Railway, Canal, River. (Give details)		1,950	lea N	avigation		-		2
Date 23.1.69			Signa	ture VI	Leen	~	Head	of Establishment
JNRELAXED EXPLOSIVES	LIM	Emperiments Miller						
Category (i) Limit (lbs)		X	Y	81	Z			ZZ
ii) Special Cases covered	(withou	ut relaxatio	on)					
SEE OVERLEAF FOR REL	TAXA,	TONS (When	re annro	nriate)	1/1	MA Sair	MA	10

4.3.69 (Date)

Gen.Form 49 (Revised)

Chief Safety Officer

(Date)

WHERE THE LIMIT REQUIRED EXCEEDS THE UNRELAXED LIMITS

## EXPLANATORY NOTES -

- i. Both the maximum permitted Man Limit (M) and the number normally present (N) are required.
- ii. State quantity of explosive in each Hazard Division.
- iii. The perimeter fence marks the boundary of the Establishment. It is not necessarily the "Danger Building" Fence.
- iv. An occupied building is one that is normally occupied during working hours, as distinct from one occasionally visited.

Establish	nment - PERM		THAM ABBE	Y ESSE	X		(If	ding No. grouped dings. o	with o	ther	rooms or
Js <b>e</b>		Travers	ive State - sed (T) or					PRO	POS	E C	
To all the second second	*	State t	rsed (U) - type of Trave struction of g. walls and	rse, I roof	Hazard Divisions	Compatiblity Groups	Man Li (Note	mit M&N i)			osive Limit e ii) (Kgs)
2 Lock	er Magazine	Stan	ndard ERDE Patta		a) 1.1 or b) 1.3	Any	M2NO		a) 2kg or b) 5kg (p locker)		5kg (per
	s to replace an exis	ting li	mit, please	state dat	te present	limit approved.					
explan- atory notes,	Factor influencing Explosives limit		Distance in Metres 2	Numb	per and use	of building		T or U	Worker preser M & I	nt	For C.S.O. use 6
iii	Inside Perimeter Fence  A. Nearest Explosives Storage Unit (a) traversed (b) untraversed				use	U	M3N0				
iv ,				R663	Offices			U	16		
iv	C. Main Engineerin Workshop		<b>&gt;</b> 400						-		
Q.	D. Nearest Explosi Process Buildin (a) traversed (b) untraverse	g and	6		Explosiv crat <b>ion</b>	res Hardward	Э	U	M5N2	4	
îv)	E. Give numbers of occupied non-ex buildings withi the OQD and giv details at 1 ov	all plosive n									
	Outside Perimeter F. Nearest building (dwelling house, church, etc.)	Fence	>400								
	G. Nearest road, railway, canal, river.		180	Grid	(Centre						
Date!	(8/80		Signature		5.H.Ne	whay			. Head	of	Establishmen
	Explosive Limits (1	eave bl	ank for CSO!	s use)							
		(0	) HO	1.1 -	2 Key	> } poola	eleel				
	O	2 (	(c) (c)	1.3	s her						

. Chief Safety Officer ..

Building No.	Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this colu	mn for C.S.O.
		- Ly					
			, C		Seg (Sec )		
		, '					
Is the fire cov	ver in accordance with the		March 18 Co. Margarita			tion?	Yes
Hazard		Peri	od			Signature	
Division Limit (Kgs)		From	То	Chie	ef Safety Of		
Relaxation Exter	nded (See Note v).	<u> </u>	15.				
Hazard Division	80 Y - 62	Peri From	od To	- 3	)	Signature	
Limit (Kgs)						\	

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ii. State quantity of explosive in each Hazard Division.

iii. The perimeter fence marks the boundary of the Establishment. It is not necessarily the "Danger Building" Fence.

iv. An occupied building is one that is normally occupied during working hours, as distinct from one occasionally visited.

v. The detail of buildings and distances shown below should be checked to ensure no change has taken place before requesting an extension to the period covered by existing relaxation.

Establish	ROF	, Waltham Abb	еу			(If	ding No. grouped dings. g		r rooms or ls)
Us <b>e</b>		otective State -					PRO	POSE	D
	Ur St ar	raversed (T) or atraversed (U) - cate type of Trave ad construction of ailding, walls and	rse,	Hazard Divisions	Compatiblity Groups	Man Li (Note	imit M&N		losive Limit te ii) (Kgs)
		J. Brick R/C Roof		1.3	G	M2	NO		25
lf this i	s to replace an existi	ng limit, please	state da	te present	limit approved.		_		
Explan- atory notes ,	Factor influencing Explosives limit	Distance in Metres	Numi		of building		T or U	workers present M & N	For C.S.O.
	- 1	2		3			4	5	6
iii	Inside Perimeter Fenc A. Nearest Explosive Storage Unit	4.0	R641 magaz	,	explosive		T	M2 NO	
	(a) traversed (b) untraversed	89	R642	Locker	Magazine		U	M2 NO	
iv	B. Main Office	120	R663	ISRG Of	fices		U	N11	
î۷	C. Main Engineering Workshop	>400							
	D. Nearest Explosive	260	R646	Blendir	ng House		T	M4 NO	
	Process Building (a) traversed ar (b) untraversed	d 7	R672 test:		explosive byrotechnic		U	M6 N4	
iv)	E. Give numbers of a occupied non-expl buildings within the OQD and give details at 1 over	osive — — Teaf			proces	ssing			
	Outside Perimeter Fe F. Nearest building (dwelling house, church, etc.)	415	_	alow at H rsery	lawes Lane				
	G. Nearest road, railway, canal, river.	360	Grid						
Date	22nd May 198	? Signature	•••••		AlBels		pp	. Head of	Establishme

PROPOSED LIMITS APPROVED

Date 25-7-85 Chief Safety Officer NJun Cers.

Building No.	Use	Distance in metres	T or	Workers present M & N	Remarks	Leave this colu	mn for C.S.O.
	er in accordance with the r	recommended Estab	lishmen	t Fire Risk	: Classifica	tion?	YES
Relaxation appro				t Fire Risk	: Classifica	tion?	YES
Is the fire covered Relaxation appropriate Hazard Division		Perio		t Fire Risk	: Classifica	tion? Signature	YES
Is the fire covered to the Relaxation appropriate Hazard		Perio	d		: Classifica	Signature	YES
Is the fire covered to the		Perio	d			Signature ficer	YES
Relaxation appro Hazard Division Limit (Kgs)	nved	Perio	d To	Chie		Signature ficer Date	YES

MINISTRY OF DEFENCE (PROCUREMENT EXECUTIVE) - EXPLOSIVES LIMITS

RESTRICTED

CER(PE)71

(Revised 12/78) (Replacing Gen Form 49)

## EXPLANATORY NOTES -

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v. The detail of buildings and distances shown below should be checked to ensure no change has taken place before requesting an extension to the period covered by existing relaxation.

Establish	renne, wa						(If	lding No. grouped i ldings. g	R691 with other ive detail	rooms or
Use		rotective						PRO	POSED	
	, S	Traversed ( Intraversed State type o and constru Duilding, w	(U) - of Trave	rse, Lroof	Hazard Divisions	Compatiblity Groups	Man L (Note	imit M&N	Exp1	osive Limit e ii) (Kgs)
	echnic ge.	U 9" B 6" R/C R 2 Bays d 9" Brick	ivide	d by	1.1 or 1.3	B 	M, 2	2 N O		3 5
lf this i	s to replace an exist	ing limit,	please	state da	te present '	imit approve	d			
explan- atory notes,	Factor influencing Explosives limit	Dis	tance letres 2			of building			Workers present M & N 5	For C.S.O. use 6
iii	Inside Perimeter Fen A. Nearest Explosiv Storage Unit	res	4 30	R680		r Magazin sives Sto		U	M2 N0 M3 N0	
iv	(a) traversed (b) untraversed B. Main Office									
1 7		transition between the property thanks the con-	20	R663	Offic	e		U	16	
iv	C. Main Engineering Workshop	> 4	00		7 .					
	D. Nearest Explosiv		25	R667	Explo	sives Pre	paratio	n U)	147 110	
	Process Building (a) traversed a (b) untraversed	and	55	R666	5	***	11	u )	M3 N2	
îv)	E. Give numbers of occupied non-exp buildings within the OQD and give details at 1 ove	all plosive n erleaf								
***************************************	Outside Perimeter F F. Nearest building (dwelling house, church, etc.)	ence > 4	<sub>1</sub> 00							
	G. Nearest road, railway, canal, river.	1	90	Gric	d (centre	line)		,		
Date	27-8-82	Sign	ature		k	27Bck		pp	. Head of	Establishment

## PROPOSED LIMITS APPROVED

Date 22-8-83 Ch	hief Safety Officer	NJmkey.
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Building No.	Use	Distance in matres	T or	Workers present M & N	Remarks	Leave this column for C.S.
	31-27					
		* ***				
				-		
	ly used as pyrotechnic (not mixed storage).	store, but ma	ay use	d for de sed as e	tonator xtra det	storage, South Bay onator store in
future	ly used as pyrotechnic	store, but ma	ay be u	sed as e	xtra det	onator store in
future Is the fin	ly used as pyrotechnic (not mixed storage).	e recommended Est	ay be u	sed as e	xtra det	onator store in
future  Is the fine Relaxation azard	ly used as pyrotechnic (not mixed storage).	store, but ma	ay be u	sed as e	xtra det	onator store in
future  Is the fine distribution azard in it	ly used as pyrotechnic (not mixed storage).	e recommended Est	ay be u	sed as e	xtra det	onator store in tion? Yes Signature
future  Is the fine distribution azard in it	ly used as pyrotechnic (not mixed storage).	e recommended Est	ay be u	sed as e	xtra det	onator store in tion? Yes Signature
future  Is the fine distribution azard init (Kgs)	ly used as pyrotechnic (not mixed storage).	e recommended Est	ay be u	sed as e	xtra det	onator store in  tion? Yes  Signature
future  Is the fine Relaxation azard in it (Kgs)	ly used as pyrotechnic (not mixed storage).  re cover in accordance with the approved	e recommended Est	ay be unablishmen	sed as e	xtra det	onator store in  tion? Yes  Signature
Is the fine Relaxation azard Division imit Kgs)	ly used as pyrotechnic (not mixed storage).  re cover in accordance with the approved	e recommended Est	ay be u	sed as e	xtra det	onator store in  tion? Yes  Signature  ficer Date

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