

DEPARTMENT OF THE NAVY

OFFICE OF THE CHIEF OF NAVAL OPERATIONS 2000 NAVY PENTAGON WASHINGTON DC 20350-2000

> 8020 Ser N41/20U130435 28 Jan 20

From: Director, Logistics – Supply Chain Operations Division (N41)

To: Commander, Joint Region Marianas

Subi: CHIEF OF NAVAL OPERATIONS EXPLOSIVES SAFETY WAIVER 1-20 FOR

PROJECT J001B FINEGAYAN CONSTRUCTION COMMANDER JOINT REGION

MARIANAS

Ref:

(a) COMJTREG MARIANAS ltr 8020 Ser J3/0659 of 13 Dec 19

(b) CNIC ltr 8020 Ser N3/20U007 of 16 Jan 20

(c) NOSSA ltr 8020 Ser N41/088 of 23 Jan 20

1. In response to reference (a) and endorsed by references (b) and (c), Chief of Naval Operations (CNO) explosives safety waiver Joint Region Marianas (JRM) 1-20 for J001B utilities and site improvement project for Finegayan construction is approved.

- 2. All compensatory measures listed in references (a) and (c) must be adhered to.
- 3. Naval Ordnance Safety and Security Activity (NOSSA) will update the quarterly waivers, exemptions, and secretarial certification summary report to reflect CNO explosives safety waiver JRM 1-20 with an expiration date of 31 January 2022. Any changes to the conditions of this deviation must be submitted to NOSSA for review and appropriate action.

4. My points of contact are Mr. John LeFevre, N411B, 703-695-4819, john.lefevre@navy.mil or Mr. David Preaseau, N411C, 703-695-4823, david.preaseaul@navy.mil.

A. MOREAU

Copy to:
DDESB (PE)
NAVAL BASE GUAM (N00, ESO)
COMPACFLT PEARL HARBOR HI (N42/ESC)
CNIC WASHINGTON DC (N35)
COMJTREG MARIANAS (J3, J4, RESO)
NOSSA (N41, N41A)
NOSSA ESSOPAC (N9P)



DEPARTMENT OF THE NAVY

JOINT REGION MARIANAS PSC 455 BOX 211 FPO AP 96540-1000

> 8020 Ser J3/ Ω659 13 Dec 19

From: Commander, Joint Region Marianas
To: Chief of Naval Operations (N41)

Via: (1) Commander, Navy Installations Command

(2) Commanding Officer, Naval Ordnance Safety and Security Activity (N5)

Subj: REQUEST FOR CHIEF OF NAVAL OPERATIONS (CNO) EXPLOSIVE SAFETY WAIVER FOR PROJECT J001B FINEGAYAN CONSTRUCTION COMJTREG MARIANAS

Ref: (a) Joint Region Marianas ltr 8020 Ser J3/0353 of 10 Jul 19

(b) NAVSEA OP 5 Volume 1 Seventh Revision

- (c) Explosive Safety Submission, Munitions Response Sites, Guam Construction Support (Amendment 6) DDESB Memo of 30 Jul 15
- (d) Department of Defense Explosive Safety Board (DDESB) Memo of 24 Aug 18 [GG-052MOD]
- (e) Naval Ordnance Safety and Security Activity (NOSSA) ltr 8020 Ser N47/1117 of 11 Sep 18
- (f) NOSSA Email/Review Package (Jackie Smith/Pat Altman) of 6 Apr 19
- Encl: (1) Request for Chief of Naval Operations Waiver Explosive Safety Submission Requirements
 - (2) Background/Supplemental Information For Explosives Safety Waiver/Exemption
 - (3) Fragmentation Data Review Forms for 5 inch Projectile Mk 41 and 500 lb M64A1 Bomb Resident
 - (4) MEC Depth of Discovery Data
 - (5) Grid Map/MEC Spot Report Log
 - (6) Map showing Eastern/Western Finegayan Areas
 - (7) Marine Corps Base Guam, Conceptual Development Plan for Early Turnover Pad
 - (8) Bedrock Areas
 - (9) Early Turnover Pad Grid Map
- 1. This waiver, which is requesting to reduce the Munition with the Greatest Fragmentation Distance (MGFD) on the J001B Utilities and Site Improvement Project, Finegayan, Guam, from the 500 lb bomb down to the 5 inch projectile, is being resubmitted with additional information requested. Reference (a) request is cancelled. Reference (b) is Ammunition and Explosives Safety Ashore. Reference (c) provides execution requirements for munitions response actions. References (d) and (e) amended reference (c) to incorporate the 500 lb M64A1 Bomb as the primary MGFD for the Finegayan area. Reference (f) provided response to initial information package that requested evaluation for a reduction of MGFD to accommodate construction efforts for follow on projects located on the eastern side of J001B construction project footprint.
- 2. Enclosure (1) is submitted in accordance with reference (b), Appendix I policy for submission of CNO Waiver requests. Enclosure (2) is building list for facilities potentially affected by

Subj: REQUEST FOR CHIEF OF NAVAL OPERATIONS (CNO) EXPLOSIVE SAFETY WAIVER FOR PROJECT J001B FINEGAYAN CONSTRUCTION COMJTREG MARIANAS

intrusive operations. Enclosure (3) provides MGFD required separation distances for the 5 inch Caliber Mk 41 projectile and the 500 lb M64A1 Bomb. Enclosure (4) provides data concerning depth of discovery for MEC items. Enclosure (5) is MEC Map with associated MEC Spot Report Log. Enclosure (6) maps show separation distances for the 5 inch projectile and 500 lb bomb areas and the contingency (1000 lb bomb). Enclosure (7) is notional layout for early turnover pad follow-on projects. Enclosure (8) shows bedrock areas. Enclosure (9) shows grid information for early turnover pad.

- 3. The areas/grid(s) that have been defined for MGFD reduction have been cleared using full clearance ahead of construction to 18" and the cleared layer(s) removed. A final scan using a magnetometer by qualified contracted Unexploded Ordnance (UXO) personnel has been performed at the new grade, and all identified contacts have been investigated to depth of detection, bedrock, and/or construction depth. The new layer has been verified by NAVFAC Marianas MEC Quality Assurance Technicians and/or Joint Region Marianas (JRM) Explosive Safety Specialists (ESS) and has been documented in writing as verified. The ToI will remain the 20mm for full clearance ahead of construction. All other Explosive Safety considerations remain in place (IAW applicable publications and JRM ESS) to include K40 separation distance of the MGFD for UXO Team(s) at 74', and HFD for non-essential construction workers, non-essential personnel, and non-essential government staff at 359'.
- 4. NAVFAC Marianas is currently negotiating with the Government of Japan on a "Go Green" (limited low probability characterization) initiative for the entire construction site (J001B). The plan is to screen soil for the entire site (East/West areas) to a depth of four feet and clear soil of munitions down to a 20MM.
- 5. Approval of the waiver request is critical to prevent additional delays of follow on projects related to Marine Corps forces realignment to Guam in support of Defense Policy Review Initiative (DPRI).
- 6. Point of contact is Mr. Larry E. Reisher, he may be contacted via phone at 671-349-4112, DSN 315-349-4112, or via e-mail at larry.reisher@fe.navy.mil or Mr. Troy Orender at 671-349-4780 or DSN 315-349-4780, or via e-mail at Troy.Orender@fe.navy.mil.

Copy to:
CNO (N411)
CNIC N35 (Explosive Safety)
CJRM (RESO)

NAVFACMARIANAS GU (MEC PM) NOSSA (N549)

COMPACFLT (N42/ESO)

Requirements for J001B Finegayan Construction Site

- 1. <u>General statement of waiver or exemption requirements</u>. This waiver request is submitted to reduce the Munition with the Greatest Fragmentation Distance (MGFD) from the 500lb bomb down to the 5 inch projectile.
- 2. Specific document(s) or table(s) containing the safety standard(s) to be waived. Joint Region Marianas, Explosive Safety Submission for Munitions Response Sites, Guam Construction Support, Amendment 6, dated 30 Jul 15 and further amended by Department of Defense Memo dated 24 AUG 2018 that changed the Munition with the Greatest Fragmentation Distance (MGFD) to the 500lb bomb for the entire J00lB construction site due to the discovery of a 500lb during ground intrusive operations.
- 3. Specific description of the conditions creating the need for the waiver or exemption. In order for work to move forward on the early turnover pad; (vertical construction of Marine Corps Barracks) the construction team and MEC clearance team separation distances cannot be met with the MGFD being the 500 lb bomb for the entire J001B site. Part of the J001B site will retain the 500 lb bomb (western part) as the MGFD, while the other part (eastern part) of the site will revert to the 5 inch round as the MGFD. The area that will revert to the five inch round has been cleared down to at least 18 inches, bedrock or construction depth.
- 4. Statement specifying reason(s) why compliance with explosives safety standards cannot be effected. Currently, the DDESB approved Joint Region Marianas, Explosive Safety Submission for Munitions Response Sites, Guam Construction Support, Amendment 6A requires team separation distance to be based on the 500lb bomb.
- 5. Alternatives examined.
- A. Submission and approval of Amendment 7, however timeline for approval is unknown.
- B. Continue utilizing the 500lb bomb as the MGFD for MEC/Construction team separation distances; however, depending on timeline for Amendment 7 approval, there is a potential that the timeline for completion of Defense Policy Review Initiative (DPRI) projects will be impacted and international public relations ramifications with Government of Japan.
- 6. <u>Mission effect of a maximum credible explosive accident</u>. Death or injury to construction personnel performing vertical construction operations/MEC operations.
- 7. Additional or compensatory safety precautions to be enforced during the period of waiver.
- A. Requirements associated with soil excavation efforts will be conducted in accordance with Chief of Naval Operations Exemption E1-16B, Joint Region Marianas Instruction 8020.3 (Munitions and Explosives of Concern Exclusion Zone Management Accountability 28 Sep 2018, and Explosive Safety Submission documents identified in para 2 above.
- B. Prior to consideration for MGFD reduction from M46A1 500 LB bomb to the 5 inch Mk 41 projectile at J-001B, the grid(s), defined area, etc. shall have been cleared using full clearance ahead of construction to

- 18" and the cleared layer(s) removed. A final scan using a magnetometer by qualified contracted UXO personnel shall be performed at the new grade, and all identified contacts shall be investigated to depth of detection, bedrock, and/or construction depth. The new layer shall be verified by NFM MEC QA and/or JRM ES, and shall be documented in writing as verified. Once the final investigation is complete, the new MGFD for 5 inch projectile may be applied, whereby the Target of Interest (ToI) remains 20mm for full clearance ahead of construction. The reduction shall be documented in writing, and endorsed by the Contracting Officer prior to implementation.
- C. JRM RESO and NFM MEC PM shall be provided copy of KO's endorsement prior to execution. All other Explosive Safety considerations remain in place (IAW applicable publications and JRM ESS) to include K40 separation distance of the MGFD for UXO Team(s) at 74', and HFD for non-essential construction workers, non-essential personnel, and non-essential government staff at 359'.
- 8. Resources necessary to eliminate this waiver or exemption. Approval of Amendment 7 or completion soil clearance down to 20MM down to 4 feet across entire site.

NAVSEA OP 5 VOLUME 1 SEVENTH REVISION

EXPLOSIV		******		11711 110	711			
Deviation Descripti	on Assigned	(To be co	mpleted by	CNO)			_	
1. Potential Explosion Site(s) (PES) - Loc this	ation where ex deviation:	plosives v	vill be pr	esent whi	ch requir	e issu	ance of	
	(1)	(2)	(3)	(4)	(:	5)	(6)	(7
a. Building No.			100	1B Projec	t	20011-01-01		
b. Description/Use	MEC/MPPEH (MGFD) encountered during project.							
c. NEW (lbs.) 1.1		1777					22007.57	
1.2.1			N-1 FAT					
1.2.2								
1.3						i		
1.4								
(Attach	continuation she	eet for add	ditional PI	ES's)				
2. On-Station Exposed Site(s) (ES) - Loca	ation on-base w	hich will	be within	the ESQ	D arc(s)	from s	PES:	
	(1)	(2	2)	(3)		(4)	
a. Building No.	285	NCS	6-6B	-	S-7B		NCS-12I	3
b. Description/Use	SAT Comm Station	Water V Buil				iter Well #12 Building		
c. Closest PES (No.)	J-001B Site	J-001	B Site	J-001B Site J-001		-001B Si	te	
d. Distance from PES	324'	0	,	133'		0'		
e. Estimated Value of ES	11,692,490	\$23,	573	\$23,573 \$2		\$23,573		
f. Average Number Personnel Present	20	C)	0 0		0		
(Attach	continuation sh	eet for ad	ditional E	S's)				
3. Off-Station ES's - For off-base location	ns within ESQE	arc(s) fr	om a PES	S:				1-48.
	(1)			(2)	(3)	(4)	
a. Building No./Name								
b. Description/Use								
c. Closest PES (Name)	Š.							
d. Distance from PES		_						
e. Distance from Base Boundary								
f. Estimated Value of ES								
g. Average Number Personnel Present			=					
(Attach	continuation sh	eet for add	ditional E	S's)				
4. Planned action/resources required to c					riation:			
a. MILCON (or Special Project) No. (if	assigned): J001	В		**				
b. Estimated cost to correct: Costs will l	e absorbed with	hin MILC	ON Funds	<u> </u>				
c. Brief description of corrective action:		77						_

4 FIGURE I-2. BACKGROUND/SUPPLEMENTAL INFORMATION FOR EXPLOSIVES SAFETY WAIVER/EXEMPTION

	(1)	(2)	(3)	(4)
a. Building No.	NCS-11B	323	324	323B
b. Description/Use	Water Well #11 Building	AN / FRC-87 Antenna	AN / FRC-87 Antenna	Communication Antenna
c. Closest PES (No.)	J-001B Site	J-001B Site	J-001B Site	J-001B Site
d. Distance from PES	156'	289'	300'	71'
e. Estimated Value of ES	\$23,573	\$185,208	\$185,208	\$185,208
f. Average Number Personnel Present	0	0	0	0
2. On-Station Exposed Site(s) (ES) - Loca	ation on-base wh	ich will be within	the ESQD arc(s) fi	rom a PES:
0.792	(1)	(2)	(3)	(4)
a. Building No.	121	- 154		
b. Description/Use	Electrical Substation			1.1
c. Closest PES (No.)	J-001B Site			755
d. Distance from PES	0,	***************************************		
e. Estimated Value of ES	\$26,637	300 1000		
f. Average Number Personnel Present	0			
2. On-Station Exposed Site(s) (ES) - Loca	ation on-base wh	ich will be within	the ESQD arc(s) fi	om a PES:
	(1)	(2)	(3)	(4)
a. Building No.				0.3.2/10
b. Description/Use				
c. Closest PES (No.)		-10-(1) Warper		
d. Distance from PES		- · · · · · · · · · · · · · · · · · · ·		
e. Estimated Value of ES				A.C.
f. Average Number Personnel Present				
2. <u>On</u> -Station Exposed Site(s) (ES) - Loca	ation on-base wh	ich will be within 1	the ESQD arc(s) fr	om a PES:
	(1)	(2)	(3)	(4)
a. Building No.				
b. Description/Use				
c. Closest PES (No.)		2598		
d. Distance from PES				
e. Estimated Value of ES				10
f. Average Number Personnel Present				
2. On-Station Exposed Site(s) (ES) - Loca	tion on-base whi	ich will be within t	he ESQD arc(s) fr	om a PES:
	(1)	(2)	(3)	(4)
a. Building No.	1			
b. Description/Use				
c. Closest PES (No.)				
d. Distance from PES				
e. Estimated Value of ES				



Fragmentation Data Review Form



Database Revision Date 5/3/2018

Category:	Surface-Launc	hed HE Rounds	DODIC:		D320		
Munition: 5 In Mk 41				9/21/2004			
	,		Record Created By:	ł	MMC		
Case Material: Steel, Mild		Last Date Record Updated: 9/		9/14/2011			
ragmentation Method: Naturally Fragmenting		•	Individual Last Updated Record:				
Secondary Database Category:			Date Record Retired:				
Munition Case Classification:	Robust		Theoretical Calculated Fragment Distances				
	n Information a ation Characte		HFD (Hazardous Fragment Disthan 1 hazardous fragment pe	stance: distance to	no more	59	
Explosive Type:	Type: Explosive D		MFD-H [Maximum Fragment Distance, Horizontal] (ft):			77	
Explosive Weight (lb):	Г	7.38	MFD-V [Maximum Fragment Distance, Vertical] (ft):			48	
Diameter (in):		5.0000		Di-t			
Cylindrical Case Weight (lb):		51.30473	Overpressure Distances TNT Equivalent (Pressure): 0.85				
Maximum Fragment Weight 0.6726 (Intentional) (lb):		0.6726	TNT Equivalent Weight - Pres	6.27			
Design Fragment Weight (95%) 0.1367 3.5 psi, K18 Distance (ft): (Unintentional) (ib):				3	3		
Critical Fragment Velocity (fps): 2538 2.3 psi; IC24 Distance (ft):				4	4		
			1.2 psi, K40 Distance (ft):		7	4	
Sandbag and W	ater Mitigation	Options	0.0655 psi, K328 Distance (ft)	:	60	05	
TNT Equivalent (Impulse):		0.81	"NOTE: Values shown within	this section only a	dress overpressure		
TNT Equivalent Weight - Impu	ise (lbs):	5.978	hazards and do not account for and debris as required per Do	r applicable distan		nts	
Kinetic Energy 10s (lb-ft²/s²):		2.4521			- MAC,		
Sin	gle Sandbag Miti	gation	Minimum Thickn	ess to Prevent P	erforation (in)		
Required Wall & Roof Thickness		36	4000	Intentional	Unintentio	nai	
Expected Max. Throw Distance	e (ft):	220	4000 psi Concrete (Prevent Spall):	9.17	4.80	-	
Minimum Separation Distance	(我):	220	Mild Steel:	1.77	0.92		
			Hard Steel:	1.45	0.75	-	
	ie Sandbag Mitio		Aluminum:	3.43	1.86		
Required Wall & Roof Thicknes	S (III)	Not Permitted	LEXAN:	8.58	5.73		
Expected Max. Throw Distance	: (ft):	Not Permitted	Pleot-glass:	7.05	4.13		
Minimum Separation Distance	(ft):	Not Permitted	Bullet Resist Glass:	6.32	3.49		
1	Water Mitigation						
Minimum Separation Distance (ft):	275	- Item Notes				
Water Containment System:	Γ	1100 gal tank		3			
Note: Use Sandbag and Water applicable documents and guid grams is utilized, the above mit applicable. Subject matter expoperific mitigation options.	ance. If a donor	charge larger than 32 re no longer					

Distribution Statement D. Distribution authorized to the Department of Defense and U.S. DoD contractors only for Administrative-Operational Use (3 May 2018). Other requests shall be referred to the Department of Defense Explosives Safety Board, 4806 Mark Center Drive, Suite 16E12, Alexandria, VA 22350.

Fragmentation Data Review Form

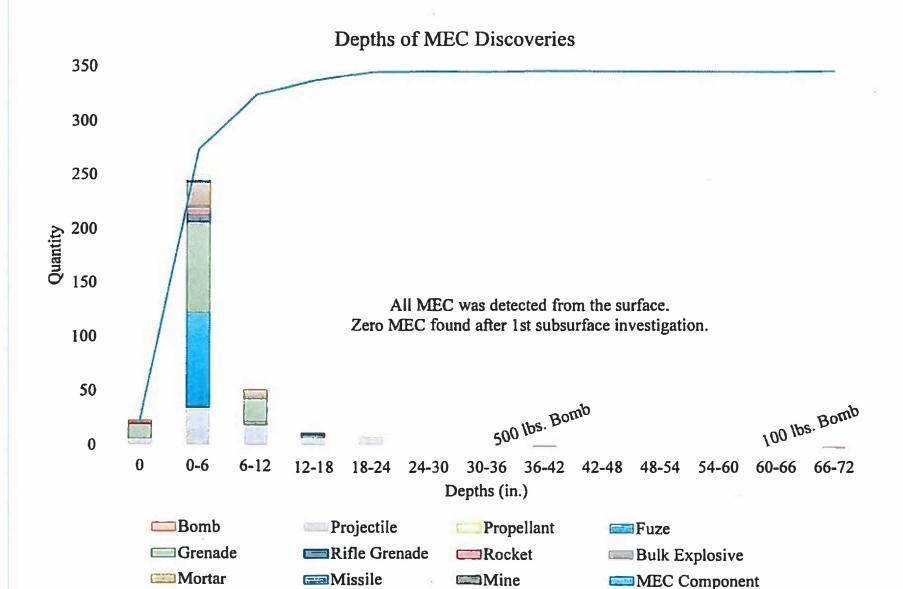


Database Revision Date 5/3/2018

Category:	Air-Launched HE Rounds	DODIC:	ſ	Padanana Pa			
Munition: 500 lb M64A1 Bomb (Composition B		Date Record Created:	10	/5/2009			
miec;)		Record Created By:		SDH			
Case Material: Steel, Mild		Last Date Record Update	Last Date Record Updated: 12/				
Smemoriphian Mathada Blakumik, Françoisian		Individual Last Updated	Individual Last Updated Record:				
Fragmentation Method: Naturally Fragmentino Secondary Database Category: Bomb		Date Record Retired:	Date Record Retired:				
Munition Case Classification:	Non-Robust						
Promotive Case Constitution.	NOII-KOOUSE	Theoretical Calcu	lated Fragment D	istances			
	n Information and ation Characteristics	HFD (Hazardous Fragment Dist than 1 hazardous fragment per					
Explosive Type:	Composition B	MFD-H [Maximum Fragment Distance, Horizontal] (ft):					
Explosive Weight (lb):	274	MFD-V (Maximum Fragment Distance, Vertical) (ft): 19					
Diameter (in):	14.2000		Place Place				
Cylindrical Case Weight (lb): 114.40615			Overpressure Distances				
Maximum Fragment Weight 0.2491			TNT Equivalent (Pressure):				
(Intentional) (lb): Design Fragment Weight (95%	0.0221	3.5 psl, K18 Distance (ft):	TNT Equivalent Weight - Pressure (fbs): 3.5 psi, K18 Distance (ft):				
(Unintentional) (Ib):		2.3 nsi: K74 Distance (ft):	2.3 psi; K24 Distance (ft):				
Critical Fragment Velocity (fps)	9907			164			
Sandbag and W	ater Mitigation Options	1.2 psi, K40 Distance (ft):		273			
_	promote a series of the series	0.0655 psi, K328 Distance (ft):		2238			
TNT Equivalent (Impulse): 1.14 TNT Equivalent Weight - Impulse (lbs): 312.360		hazards and do not account for	"NOTE: Values shown within this section only address overpressure hazards and do not account for applicable distance values for fragments				
Kinetic Energy 10s (fb-ft²/s²):	(3)	and debris as required per DoD	6055.09-M."				
Fine	nie Caadhaa Milleation	Minimum Thickne	ss to Prevent Peri	oration (in)			
Single Sandbag Mitigation Required Wall & Roof Thickness (in) Not Permitted			Intentional	Unintentional			
		4000 psi Concrete	pre				
Expected Max. Throw Distance	(ft): Not Permitted	(Prevent Spall):	32.57	11.69			
Minimum Separation Distance ((ft): Not Permitted	Mild Steel:	4.74	1.82			
Doub	le Sandbag Mitigation	Hard Steel:	3.89	1.49			
Required Wall & Roof Thickness	S (in) Not Permitted	Aluminum:	9.34	3.79			
Expected Max. Throw Distance	(ft): Not Permitted	LEXAN:	13.62	7.55			
Minimum Separation Distance (Plexi-glass; Bullet Resist Glass:	12.95	5.91			
Milliandra Scharabou Distance ((ft): Not Permitted	Bullet Resist Glass:	11.79	1 4.93			
Water Mitigation			Item Notes				
Minimum Separation Distance (f	ft): Not Permitted		Acem Modes				
Water Containment System:	Not Permitted	-					
grams is utilized, the above miti	ance. If a donor charge larger than 32						

Distribution Statement D. Distribution authorized to the Department of Defense and U.S. DoD contractors only for Administrative-Operational Use (3 May 2018). Other requests shall be referred to the Department of Defense Explosives Safety Board, 4800 Mark Center Drive, Sulte 16E12, Alexandria, VA 22350.





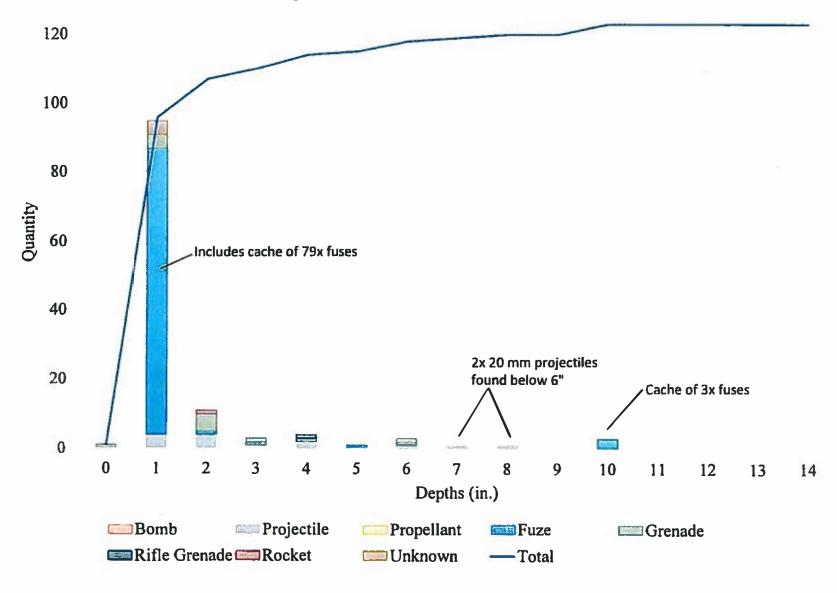
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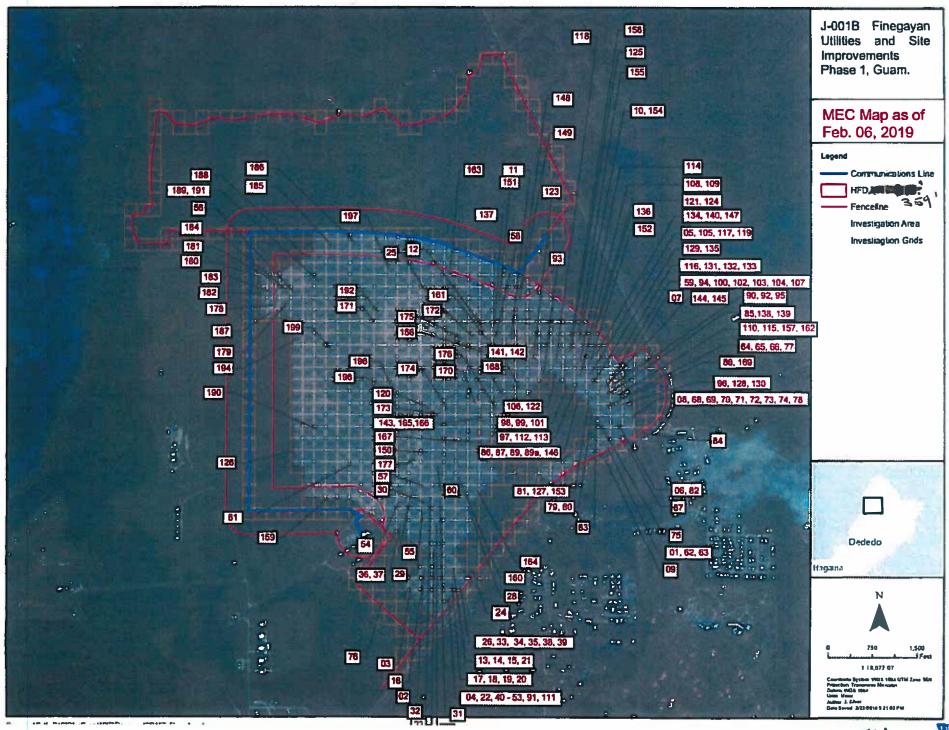
—Total

Sub-Munition

Pyrtechnic Pyrtechnic

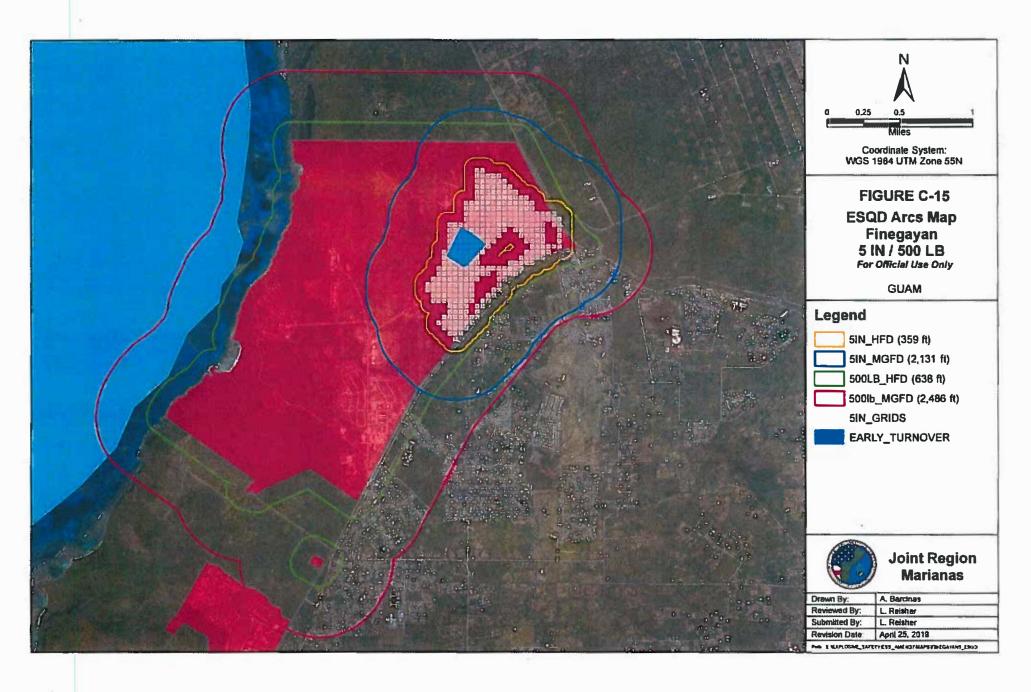
Depths of MEC Smaller than 60 mm

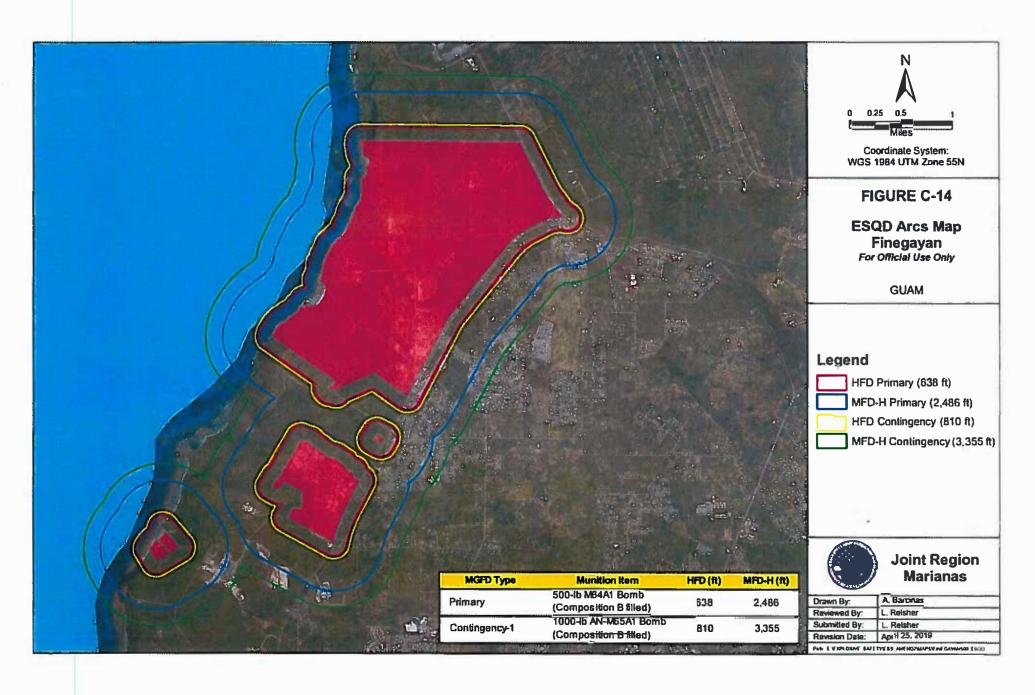


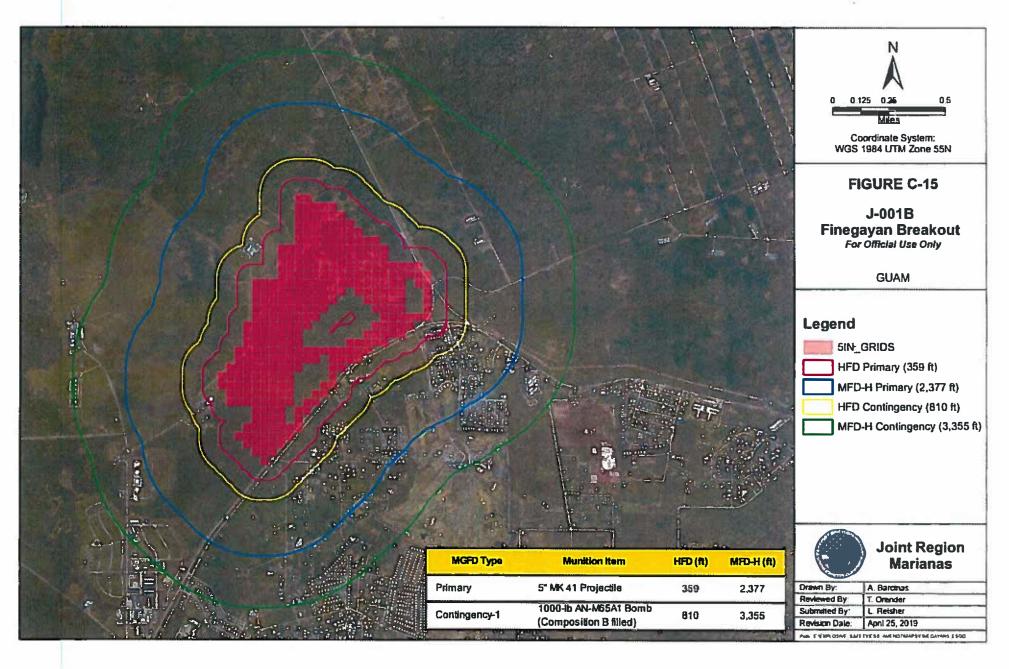




MEC Spot Report Log 2/8/2019 Ĭ

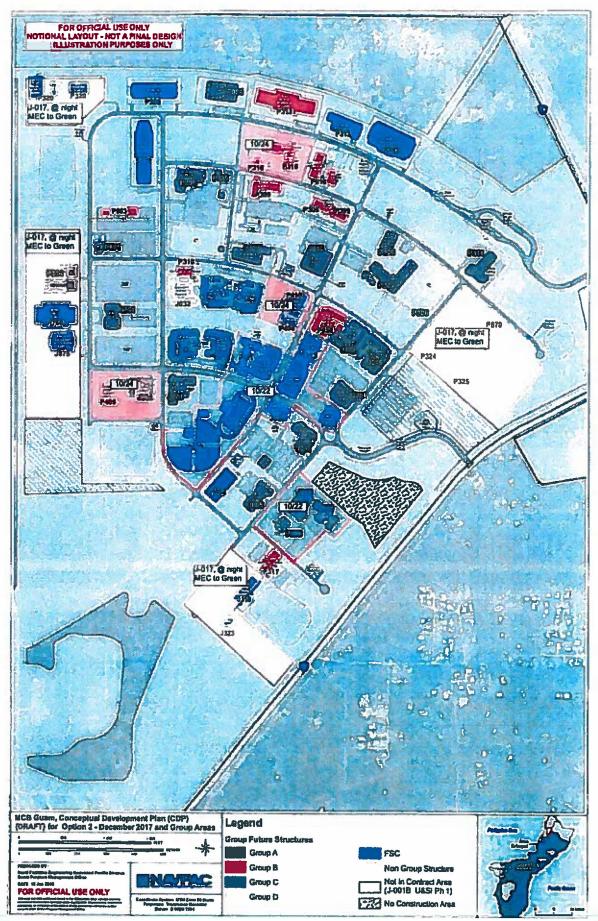




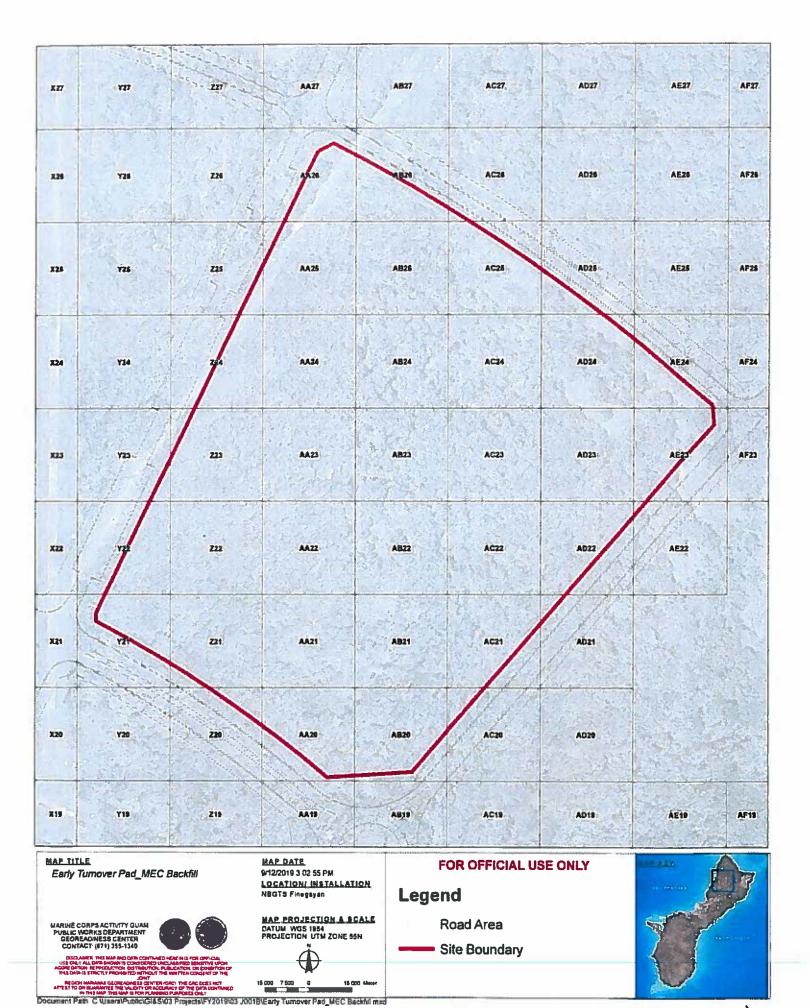














DEPARTMENT OF THE NAVY

COMMANDER NAVY INSTALLATIONS COMMAND 716 SK'ARD STREET SE SUITE 1000 WASHINGTON NAVY YARD DC 20374-5140

8020 Ser N3/ 20U007 16 JAN 2020

FIRST ENDORSEMENT on Joint Region Marianas ltr 8020 Ser J3/0659 of 13 Dec 19

From: Commander, Navy Installations Command

To: Chief of Naval Operations (N41)

Via: Commanding Officer, Naval Ordnance Safety and Security Activity (N54)

Subj: REQUEST FOR CHIEF OF NAVAL OPERATIONS (CNO) EXPLOSIVES SAFETY

WAIVER FOR PROJECT J001B FINEGAYAN CONSTRUCTION COMJTREG

MARIANAS

1. Forwarded, concurring with Joint Region Marianas request for CNO Explosives Safety Wavier for Project J001B to reduce the Munition with the Greatest Fragmentation Distance (MGFD) from a 500 lb. M64A1 bomb to a MK41 5-inch projectile. This deviation will align the risk profile of the project with the type of Munition and Explosives of Concern (MEC) that has been found at the site and is supported by the conceptual site model.

2. My point of contact is Mr. Mark Mentikov, N35 Explosives Safety, (202) 433-7711 or DSN: (315) 288-7711.

T. G. ALEXANDER

By direction

Copy to:

CNO WASHINGTON DC (N41) COMPACFLT PEARL HARBOR HI (N42) NAVORDSAFSECACT INDIAN HEAD MD (N4) COMJTREG MARIANAS GU (J3, J4)



DEPARTMENT OF THE NAVY NAVAL ORDNANCE SAFETY & SECURITY ACTIVITY FARRAGUT HALL 3817 STRAUSS AVENUE, SUITE 108 INDIAN HEAD, MD 20640-5151

8020 Ser N41/088 23 Jan 20

SECOND ENDORSEMENT on Joint Region Marianas ltr 8020 Ser J3/0659 of 13 Dec 19

From: Commanding Officer, Naval Ordnance Safety and Security Activity

To: Chief of Naval Operations (N41)

Subj: REQUEST FOR CHIEF OF NAVAL OPERATIONS EXPLOSIVES SAFETY WAIVER FOR PROJECT J001B FINEGAYAN CONSTRUCTION COMJTREG MARIANAS [N61128/PROPOSED JRM WAIVER 1-20/D-20-004]

- 1. CNO ACTION REQUESTED Review and approve.
- 2. <u>APPROVAL REQUESTED FOR</u> Change of the primary Munition with the Greatest Fragmentation Distance (MGFD) from the 500 pound M64A1 bomb to the MK 41 5" projectile for the eastern area of MILCON J001B Finegayan construction site as shown on page 1 of enclosure (6). This will result in a reduction of explosives safety quantity distance (ESQD) arcs and more specifically the Hazardous Fragment Distance (HFD) arc which will drop from 638 feet to 359 feet. This reduction in HFD will permit construction work for the early turnover pad (shown in enclosures (7) and (9)) to commence while Munitions and Explosives of Concern (MEC) clearance operations continue for the rest of the J001B site.
- 3. NUMBER OF ON-STATION/OFF-STATION EXPOSED SITES (ESs) ENCUMBERED Per enclosure (2) and shown on the maps in enclosure (6):
 - a. On-Station ESs Nine (9) total encumbered by the 359-foot HFD arc.
 - b. Off-Station ESs There are no off-station encumbrances.
- 4. CORRECTIVE ACTIONS Approval of Amendment 7 to reference (c).
- 5. <u>COMPENSATORY/ADMINISTRATIVE MEASURES</u> The following compensatory measures to mitigate exposure of non-related personnel are required:
- a. Evacuate non-related personnel from appropriate exclusion zones (EZs) based on the distances for the MK 41 5" projectile shown in enclosure (6) and per the operations being conducted shown in Table 6-3.9 of reference (d).
- b. This change in MGFD only applies to the eastern part of the J001B construction site as shown in enclosure (6) and the requirements and stipulations of reference (c) for the remainder of the J001B site remain in effect as approved by reference (d).

- Subj: REQUEST FOR CHIEF OF NAVAL OPERATIONS EXPLOSIVES SAFETY WAIVER FOR PROJECT J001B FINEGAYAN CONSTRUCTION COMJTREG MARIANAS [N61128/PROPOSED JRM WAIVER 1-20/D-20-004]
- c. The contingency MGFD for the entire J001B site remains the 1,000 pound AN-M65A1 bomb.
- 6. CANCELLATION/OTHER ACTIONS REQUIRED This will be a new Waiver.
- 7. NOSSA RECOMMENDATION Forwarded and per the information provided in enclosures (1) through (9), recommending approval.
- 8. NOSSA POINT-OF-CONTACT (POC) The NOSSA POC for questions relating to this submission is Mr. Victor Thomson at DSN: (312) 354-6096; Commercial: (301) 744-6096; or e-mail to: preston.v.thomson@navy.mil.

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P. R. WAHLE

P. R. WAHLE By direction

Copy to: NAVAL BASE GUAM (N00, ESO) COMJTREG MARIANAS GU (J3, J4, ESO) NAVFAC MARIANAS GU (MEC PM) COMPACFLT PEARL HARBOR HI (N42) CNIC WASHINGTON DC (N35)