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NAS JACKSONVILLE
5090.3a

LETTER REGARDING APPROVAL FOR REMOVAL AND TREATMENT OF MUNITIONS AND
EXPLOSIVES IN SOILS AND SEDIMENT AT POTENTIAL SOURCE OF CONTAMINATION 46
NAS JACKSONVILLE FL
3/30/2011
NOSSA



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

8020
Ser N54-SJ/3228
30 Mar 11

From: Commanding Officer, Naval Ordnance Safety and Security Activity
To: Commanding Officer, Naval Facilities Engineering Command, Southeast (ENV/AW)
Subj: FINAL EXPLOSIVES SAFETY SUBMISSION, DATED JANUARY 2011, FOR DEFENSE REUTILIZATION AND MARKETING OFFICE YARD, NAVAL AIR STATION, JACKSONVILLE [N00207/ESS/CC-026F]
Ref: (a) *Explosives Safety Submission, Munitions Response for Soil/Sediment Remediation at Operable Unit 7, Potential Source of Contamination 46 - Defense Reutilization and Marketing Office, Naval Air station Jacksonville, Jacksonville, Florida* dtd Jan 11
(b) NOSSA ltr 8020 Ser N54-SJ/3134 of 24 Jan 11 [CC-026]
Encl: (1) DDESB memo DDESB-PE ltr of 25 Mar 11 [CC-026]

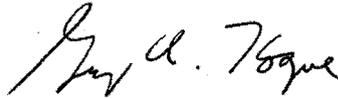
1. Enclosure (1) provides the Department of Defense Explosives Safety Board (DDESB) final safety approval for the removal and treatment of munitions and explosives of concern (MEC) and material potentially presenting an explosive Hazard (MPPEH), at Naval Air Station (NAS), Jacksonville, Florida. Final safety approval is based upon adherence to the conditions provided in references (a) and (b), and enclosure (1).

2. If changes occur during or after completion of this effort, that could increase explosive hazards to site workers or the public, due to the presence of MEC and/or MPPEH at the site, an amendment to this ESS must be submitted through the Naval Ordnance Safety and Security Activity (NOSSA), to the DDESB, for review and approval.

3. The NOSSA point-of-contact for questions related to the explosive safety aspects of this project is Mr. Shawn Jorgensen, N545, at DSN: 354-6055; Commercial: (301) 744-6055; or E-mail: shawn.a.jorgensen@navy.mil. The NOSSA point-of-contact for questions related to the environmental aspects of this project is

Subj: FINAL EXPLOSIVES SAFETY SUBMISSION, DATED JANUARY 2011,
FOR DEFENSE REUTILIZATION AND MARKETING OFFICE YARD, NAVAL
AIR STATION, JACKSONVILLE [N00207/ESS/CC-026F]

Mr. Douglas Murray, N539, at DSN: 354-5630; Commercial: (301)
744-5630; or E-mail: douglas.murray1@navy.mil.



GARY A. HOGUE
By direction

Copy to (w/encl):
COMNAVREG SE (ESO)
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NOSSA ESSOLANT (N5L; N5L3; N5L6)



DEPARTMENT OF DEFENSE EXPLOSIVES SAFETY BOARD
2461 EISENHOWER AVENUE
ALEXANDRIA, VIRGINIA 22331-0600

DDESB-PE

MAR 25 2011

MEMORANDUM FOR COMMANDING OFFICER, NAVAL ORDNANCE SAFETY AND SECURITY ACTIVITY (ATTENTION: CODE N54)

SUBJECT: DDESB Approval of an Explosives Safety Submission for Defense Reutilization and Marketing Office Yard, Naval Air Station, Jacksonville, FL

References: (a) NOSSA ltr 8020 Ser N54-SJ/3134 of 24 January 2011, First Endorsement on NAVFAC Southeast ltr 5090 Ser OPZE3/0008 of 11 January 2011, Subject: Final Explosives Safety Submission, Dated January 2011, for Defense Reutilization and Marketing Office Yard, Naval Air Station, Jacksonville [N00207/ESS/CC-026]

- (b) DoDM 6055.09-M, DoD Ammunition and Explosives Safety Standards, 29 February 2008, Administratively Reissued 4 August 2010
- (c) DDESB TP-15, Approved Protective Construction, Revision 3, May 2010
- (d) DDESB TP-16, Methodologies for Calculating Primary Fragment Characteristics, Revision 3, 1 April 2009
- (e) DDESB-PD Memorandum of 14 May 2010 Subject: DDESB Approval of HNC-ED-CS-S-98-8, "Miniature Open Front Barricade," Revision 1, March 2010

The Department of Defense Explosives Safety Board (DDESB) Staff has reviewed the subject explosives safety submission (ESS) forwarded by reference (a), against the requirements of reference (b). Based on the information provided, approval is granted for removal and treatment of material potentially presenting an explosive hazard (MPPEH) and munitions and explosives of concern (MEC) at Defense Reutilization and Marketing Office (DRMO) Yard, Naval Air Station, Jacksonville, FL. This approval is based on the following:

- a. The efforts addressed in this ESS involve manual unintentional detonation operations, mechanized low input unintentional detonation operations, and intentional detonations supporting munitions response actions within DRMO Yard Areas of Concern (AOC) #1, #2, #3 and #4.
- b. The property will remain under Navy control.

ENC (1)

c. The munition with the greatest fragmentation distance (MGFD) for AOC #1 and AOC #2 is the M151 & MK64 2.75-inch Rocket Warhead; the minimum separation distance (MSD) for teams for manual unintentional detonation operations is 55 feet (ft) based on K40 of the MGFD; and the MSD for nonessential personnel from manual unintentional detonation operations is 258 ft based on the hazardous fragment distance (HFD) of the MGFD.

d. The MGFD for AOC #3 and AOC #4 is the M56A4 20-mm Projectile; the MSD for teams for manual unintentional detonation operations is 14 ft and 65 ft for low input mechanized unintentional detonation operations, based respectively on K40 and the HFD of the MGFD; and the MSD for nonessential personnel from manual and low input mechanized unintentional detonation operations is 65 ft based on the HFD of the MGFD.

e. Intentional detonations, per reference (a), will employ engineering controls.

f. The use of sandbags is authorized as an engineering control for intentional detonations involving the MEC identified in reference (a) provided the Navy ensures usage per reference (c), paragraph C6.2.7.5.

g. The use of the T-10 transportable blast chamber is authorized as an engineering control for intentional detonations involving the MEC identified in reference (a) provided the Navy ensures usage per reference (c), paragraph C6.4.2.1.

h. Operators of mechanized equipment will be shielded from hazardous fragments based on unintentional detonation from mechanized operations involving the MEC identified in reference (a). The use of barricades/shields are authorized as engineering controls to prevent fragment penetration provided the Navy ensures usage per reference (d). Additionally, operators will be provided blast overpressure protection of 8 ft based on K24 of the MGFD.

i. The use of the Miniature Open Front Barricade is authorized as an engineering control for unintentional detonation operations involving the MEC identified in reference (a) provided the Navy ensures usage per reference (c), paragraph C6.2.7.5.7 and reference (e).

j. Collection points are authorized provided the Navy ensures usage of reference (c), paragraph C6.2.7.5.

k. The MPPEH holding/inspection area is approved for a maximum credible event (MCE) of 1.0 pound net explosive weight of hazard division 1.1. The MSD for nonessential personnel is 291 ft based on the HFD of the MCE.

l. Demolition materials, per reference (a), will be delivered as needed.

m. Prior to initiation and through completion of on-site explosives operations, all nonessential personnel will be evacuated and prevented from entering any area/facility encumbered by the MSD required for the operation being conducted, or explosives operations will be suspended if nonessential personnel enter the MSD.

n. MPPEH will be inspected and classified as material documented as safe prior to release to the public.

If changes occur during or after completion of this effort that could increase explosive hazards to site workers or the public due to the presence of military munitions at the site, an amendment to this ESS must be submitted to DDESB for review and approval.

The point of contact for this action is Mr. Tony Dunay, (703) 325-3513, DSN 221-3513, E-mail address: tony.dunay@ddesb.osd.mil.


CURTIS M. BOWLING
Chairman
DDESB