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NAS JACKSONVILLE
5090.3a

LETTER REQUESTING APPROVAL FOR MUNITIONS RESPONSE FOR SOIL AND
SEDIMENT REMEDIATION AT POTENTIAL SOURCE OF CONTAMINATION 46 NAS
JACKSONVILLE FL
3/17/2011
NOSSA



DEPARTMENT OF THE NAVY
NAVAL ORDNANCE SAFETY AND SECURITY ACTIVITY
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INDIAN HEAD, MD 20640-5151

8020
Ser N539/364
17 Mar 11

From: Commanding Officer, Naval Ordnance Safety and Security Activity
To: Commanding Officer, Naval Facilities Engineering Command Southeast (OPZE3)
Subj: INTERIM EXPLOSIVES SAFETY SUBMISSION APPROVAL FOR 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
Ref: (a) NAVFACSE 5090 Ser OPZE3/0008 of 11 Jan 11 (w/encl)
(b) NOSSAINST 8020.15C
(c) NAVSEA OP 5, Volume 1, Seventh Revision, Change 9
(d) NOSSA ltr 8020 Ser N54-SJ/3134 of 24 Jan 11
(e) Email NAVFACSE (OPZE3) Ms. A. Wilson/NOSSA (N539) Mr. D. Murray of 16 Mar 11
(f) Email DDESB (DDESB-PE) Mr. T. Dunay/NOSSA (N545) Mr. S. Jorgensen of 14 Mar 11

1. As requested by Reference (a) the Naval Ordnance Safety and Security Activity (NOSSA) reviewed the subject Explosives Safety Submission (ESS) transmitted as Enclosure (1) against the requirements of References (b) and (c), and endorsed to the Department of Defense Explosives Safety Review Board (DDESB) for their approval with Reference (d).

2. NOSSA recognizes your need to begin the proposed work as soon as possible as conveyed by Reference (e), upon the recommendation of Reference (f). Therefore, in accordance with the provisions of Reference (b), NOSSA authorizes you to take the proposed munitions response action described in Enclosure (1) to Reference (a), accepting that the DDESB may impose different or additional requirements.

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3. The following pertain to this remedial investigation:

a. The ESS includes the detection, excavation, removal, identification, transport, and disposal of Munitions and Explosives of Concern and Material Potentially Presenting an Explosive Hazard at the Defense Reutilization and Marketing Office (DRMO) Yard, Areas of Concern (AOCs) #1 through #4.

b. The munitions with the greatest fragmentation distance (MGFD) for DRMO Yard, AOCs #1 and #2, is the M151 and Mk 64 2.75-inch Rocket Warhead, which has a net explosives weight (NEW) of 2.3 pounds; a hazardous fragment distance (HFD) of 258 feet; a maximum fragment distance (MFD) of 1,348 feet; and K328, K40, and K24 distances of 455, 55, and 33 feet, respectively; as identified in Reference (a), Enclosure (1), Section 6.2.

c. The MGFD for DRMO Yard, AOCs #3 and #4, is the M56A4 20-mm Projectile, which has a NEW of 0.0264 pound; an HFD of 65 feet; a MFD of 535 feet; and K328, K40, and K24 distances of 111, 14, and 8 feet, respectively; as identified in Reference (a), Enclosure (1), Section 6.2.

d. In DRMO Yard AOCs #1 and #2, drainage ditches will be manually excavated from inside a miniature open front barricade (MOFB), as discussed in Reference (a) Enclosure (1), Section 6.1.1, following the requirements of Reference (a), Enclosure (1), Appendix D.

e. In DRMO Yard AOCs #3 and #4, soil will be processed using manual and low-input mechanized operations, as discussed in Reference (a), Enclosure (1), Sections 6.1.2 and 6.1.3.

f. Munitions items that are not safe to move will be blown-in-place utilizing sandbags with thicknesses identified in the Fragmentation Data Review Forms provided in Reference (a), Enclosure (1), Appendix B, resulting in a 200-foot minimum separation distance (MSD) for the public and all personnel.

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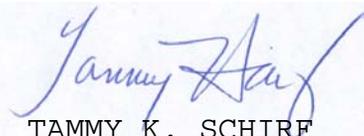
g. The model T-10 Confined Detonation Chamber (CDC) will be used to treat munitions that are safe to move. A preparation table will be set up near the CDC for preparing items for treatment. The MSD for the public and all personnel during item preparation will be the HFD of the MGF, which will either be 258 feet or 65 feet, depending on the item being prepared for treatment.

h. Exclusion zones for this project are provided in Reference (a), Enclosure (1), Section 6.2., Tables 6-1 and 6-2, and are depicted on the figures provided in Reference (a), Enclosure (1), Appendix C.

i. Donor charges that will be used for the CDC and for intentional detonations will be ordered on an as-needed basis. No donor charges will be stored on-site, as discussed in Reference (a), Enclosure (1), Section 6.4.1.

j. No explosives operations will be conducted at the site while nearby buildings are inhabited, as discussed in Reference (a), Enclosure (1), Section 6.2.2.1.

4. The NOSSA point of contact for this interim ESS approval is Mr. Douglas Murray, who can be reached at DSN 354-4450 or commercial (301) 744-4450.



TAMMY K. SCHIRF
By direction

Copy to:
CNO (N411C; N411C2; N453; N453C)
COMNAVFACENGCOM (ENV)
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