N40003.AR.002589
PUERTO RICO NS
5090.3a

LETTER REGARDING REQUESTED DOCUMENTATION FOR POLLUTION ABATEMENT OPERATION AND MAINTENANCE PROJECT NAVAL ACTIVITY PUERTO RICO
10/1/1978
NAVFAC ATLANTIC

**********
N * U N C L A S S I F I E D *
**********

00398 303 212224

OCT 31 REC'D

IN-RTR | SUPVR
DIST | TF CKR
9/ we
9/A

UZYUW RULYSGG3506 3032124-UUUU--RUCLDHA.
R UUUUU
302146Z OCT 78
M LANTNAVFACENGCOM NORFOLK VA
TO RUCLDHA/NAVSTA ROOSEVELT ROADS PR
INFO RUEOALL/COMNAVAIRLANT NORFOLK VA
RUCLDHA/COMNAVFORCARIB ROOSEVELT ROADS PR
RUCLDHA/LANTNAVFACENGCOMBRO ROOSEVELT ROADS PR
BT
UNCLAS //N06280//
NAVAL AMMUNITION F[redacted]OLLUTION ABATEMENT OM&N
PROJECT; REQUESTED PROJECT DOCUMENTATION
A. LANTNAVFACENGCOM SPDLTR 6280 114:DPG OF 19 SEP 1978
B. LANTNAVFACENGCOM LTR 6240 114:DPG OF 26 APR 1978
1. REFS (A) AND (B) REQUESTED SUBMISSION BY NAVSTA ROOSEVELT ROADS OF SUBJECT DOCUMENTATION WHICH WAS PROVIDED VIA REF (B). PROJECT DOCUMENTATION IS REQUESTED AT THE EARLIEST BUT MUST BE RECEIVED BY 30 NOV 1978 IN ORDER TO BE CONSIDERED FOR FY-79 FUNDING.
BT
#3506

NNNN

ACTN: PW
INFO: CO/XO, LANTDIV, DISTMED, N1, N3, F/S, ADMIRAL

From:
Env. Pollution Folder 4
LANTDIV. P.R.

ROUTINE **********
* U N C L A S S I F I E D *
**********

OCT 30 REC'D | REC'D STA | CKT / NO.
TOD | ASC | E692
CHOPS | TIME DATE

PTTUZYUW RUCLDHA2535 3000320-UUUU--RUCBSUU.
ZNR UUUUU
P 2703132 OCT 78
FM NAVSTA ROOSEVELT ROADS PR
TO NAVSURFWPNCEN DAHLGREN VA
INFO ZEN/LANTNAVFACENGCOMBRO ROOSEVELT ROADS PR
BT
UNCLAS //N08010//
EVALUATION AND RENOVATION OF CONVENTIONAL AMMUNITION AT NAVSTA ROOSRDS
(A) TELCON BTWN ENS D. O'LOUGHLIN (NAVSTA) AND MR F. SANCHEZ (NAVSURFWPNCEN) FOR NAVSURFWPNCEN CODE G-52
1. IRT REF (A) FOLLOWING INFO PROVIDED. LISTED MATERIAL TO BE DETONATED FOR TEST EVALUATION.
2. CARTRIDGES ILLUM

| SIZE | NALCODE | COG | COMPONENTS |
|---|---|---|---|
| 3"/50 | C172 | 2T | PRIMER 42-1 M-48/49 GL2-M-6-C-66 |
| 81 MM | C226-1 | 2T | |

3. CLEARING CHARGES: PRIMER FIRED ONLY

| SIZE | COG | PRIMER ID | REMARKS |
|---|---|---|---|
| 5"/38 EOR-1-SJ-65 | 2T | 13-1 M-44(GL5M-1-SJ-54) | 4LC13 D227 |
| 5"/38 EOR-2-SJ-67 | 2T | 13-1 M-44(GL4M-1-SJ-67) | 4LC13 D227 |

4. PROPELLING CHARGE: PRIMER FIRED ONLY

| TYPE | COG | PRIMER ID | REMARKS |
|---|---|---|---|
| BI-109-SJ-68 | 2T | 48-2 29-MX-68 | 4LC13-D264 |
| BI-75-C-61 | 2T | 48-1 11-M-58 | 4LC13-D272 |
| BI-9-MCA-66 | 2T | 48-1 10M-65 | 4LC13-D272 |
| BIR-16-SJ-66 | 2T | 48-1 3-M-64 | 4LC13-D272 |
| BI-20-MCA-66 | 2T | 48-1 3-MX-66 | 4LC13-D272-1 |
| BI-40-MCA-66 | 2T | 48-1 10-MX-66 | 4LC13-D272 |
| BI-13-MCA-67 | 2T | 48-1 2-MX-67 | 4LC13-D272 |
| BI-53-HAW-70 | 2T | 48-2 20-MX-69 | 4LC13-D272-2 |
| BI-54-HAW-70 | 2T | 48-2 29-MX-69 | 4LC13-D272-2 |
| BI-62-HAW-70 | 2T | 48-2 11-BPC-69 | 4LC13-D272-3 |
| BI-63-HAW-70 | 2T | 48-2 11-BPC-69 | 4LC13-D272-3 |
| BI-63-HAW-70 | 2T | 48-2 11-BPC-69 | 1YC-D272-3 |
| BI-67-HAW-70 | 2T | 48-2 20-PX-69 | 4LC13-D272 |
| BI-28-HAW-71 | 2T | 48-2 4-BER-70 | 4LC13-D272 |
| BIR-4-SJ-71 | 2T | 48-2 20-PX-69 | 1Y3-D272 |
| BIR-4-Y-72 | 2T | 48-2 20-PX-69 | 4LC13-272 |
| BI-13X-SJ-67 | 2T | 48-1 7-PX-67 | 4LC13-D274-1 |
| BI-81X-SJ-67 | 2T | 48-1 8-PX-67 | 4LC13-D274-1 |
| BI-24X-SJ-67 | 2T | 48-1 9-PX-67 | 4LC13-D274-1 |
| BI-38X-SJ-67 | 2T | 48-1 10-PX-67 | 4LC13-D274-1 |
| BI-40-SJ-67 | 2T | 48-1 28-MX-67 | 4LC13-D274 |
| BI-52-HAW-68 | 2T | 48-2 7-BPC-68 | 4LC13-D274-2 |
| BI-52-HAW-68 | 2T | 48-2 7-BPC-68 | 1Y3-D274-2 |
| BI-53-HAW-68 | 2T | 48-2 7-BPC-68 | 4LC13-D274-2 |
| BI-17X-SJ-68 | 2T | 48-1 3-MX-68 | 4LC13-D274-3 |
| BI-18X-SJ-68 | 2T | 48-1 3-MX-68 | 4LC13-D274-3 |
| BI-22X-SJ-68 | 2T | 48-1 4-MX-68 | 4LC13-D274-3 |
| BI-24X-SJ-68 | 2T | 48-1 5-MX-68 | 4LC13-D274-3 |
| BI-55-SJ-68 | 2T | 48-1 14-MX-68 | 4LC13-D274-3 |
| BI-71-SJ-68 | 2T | 48-2 2-PX-68 | 4LC13-D274-4 |

WHITE CTAD

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DIST | TF

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91A
Lec 6240
620

PRIMER FIRED ONLY

| | | | |
|---|---|---|---|
| [illegible] | [illegible] | 48-2 3-PX-68 | DITTO |
| BI-91-SJ-68 | 2T | 48-2.5-PX-68 | DITTO |
| BI-95-SJ-68 | 2T | DITTO | DITTO |
| BI-96-SH-68 | 2T | DITTO | DITTO |
| BI-97-SJ-68 | 2T | 48-2 6-PX-68 | DITTO |
| BI-99-SJ-68 | 2T | DITTO | DITTO |
| BI-100-SJ-68 | 2T | DITTO | DITTO |
| BI-101-SJ-68 | 2T | DITTO | DITTO |
| BI-102-SJ-68 | 2T | DITTO | DITTO |
| BI-103-SJ-68 | 2T | 48-2 8-PX-68 | DITTO |
| BI-4-BAN-69 | 2T | 48-2 8-BPC-68 | 4LC13-D274 |
| BI-8-SJ-69 | 2T | 9-PX-68 | 4LC13-D274-5 |
| BI-13-SJ-69 | 2T | 48-2-10-PX-68 | DITTO |
| BI-15-SJ-69 | 2T | 48-2-31-MX-68 | 4LC13-D274 |
| BI-23-SJ-69 | 2T | 48-2- 6-MX-69 | DITTO |
| BI-31-SH-69 | 2T | 48-2- 2-PX-69 | 4LC13-D274-6 |
| BI-46-SJ-69 | 2T | 48-2 4-PX-69 | DITTO |
| BI-46-SJ-69 | 2T | 48-2 4-PX-69 | 1Y3-D274-6 |
| BI-52-SJ-69 | 2T | 48-2 5-PX-69 | 4LC13-D274-6 |
| BI-53-SJ-69 | 2T | DITTO | DITTO |
| BI-58-SJ-69 | 2T | 48-2 6-PX-69 | DITTO |
| BI-59-SJ-69 | 2T | DITTO | DITTO |
| BI-61-SJ-69 | 2T | 48-2 7-PX-69 | DITTO |
| BI-62-SJ-69 | 2T | DITTO | DITTO |
| BI-71-SJ-69 | 2T | DITTO | DITTO |
| BI-72-SJ-69 | 2T | 48-2 13-PX-69 | DITTO |
| BI-73X-SJ-68 | 2T | 48-1 19-MX-68 | 4LC13-D274-3 |
| BI-74-SJ-68 | 2T | DITTO | DITTO |
| BI-83-SJ-68 | 2T | 48-1 20-MX-68 | DITTO |
| BI-106-SJ-68 | 2T | 48-2 29-MX-68 | DITTO |
| BZ-28-C-45 | 2T | 13-1 12M113-M-45 | 1Y3-D282 |
| BZ-29-SJ-56 | 2T | 13-1 M-43/44 | 4PC24-D282 |

5. 5"/54 PROPELLING CHARGE: PRIMER FIRED ONLY

| TYPE | COG | PRIMER ID | REMARKS |
|---|---|---|---|
| KR-2-SB-68 | 2T | 153-0-2-C-68 | 4LC13-D297 |
| BV-2X-MCA-66 | 2T | 45-0-1-M-64 | 4CL18 COND B D304 |
| BV-36X-SB-67 | 2T | 45-0-10-MX-67 | 1Y3-D304 |
| BV-36X-SB-67 | 2T | 45-0-10-MX-67 | 4LC13-D304 |
| BV-10X-HA-57 | 2T | 46-0-35-M-53 | 4LC18- COND D305 |
| BV-2X-HAW-57 | 2T | 45-0-4-M-52 | 4LC18 COND B D305 |
| BV-26X-C-60 | 2T | 45-0-54-M-60 | DITTO |
| BV-27X-C-62 | 2T | 45-0-5-M-62 | DITTO |
| BV-6X-C-63 | 2T | DITTO | DITTO |
| BV-9X-MCA-66 | 2T | 45-0-1-MX-66 | DITTO |
| BV-11X-SB-67 | 2T | 45-0-23-MX-67 | 4LC13 COND B D305-1 |
| BV-13X-SB-67 | 2T | 45-0-34-MX-67 | DITTO |
| BV-18X-SB-68 | 2T | 45-0-2-MX-68 | 143 COND B D305-2 |
| BV-18X-SB-68 | 2T | DITTO | 4LC18 COND B D305-2 |
| BV-19X-SB-68 | 2T | DITTO | DITTO |
| BV-99-SB-68 | 2T | 45-1-16-MX-68 | 4LC13-COND B D305-3 |
| BV-101-SB-68 | 2T | DITTO | DITTO |
| BV-102-SB-68 | 2T | 45-1-17-MX-68 | DITTO |
| BV-10X-SB-68 | 2T | 45-0-15-MX-67 | 1Y3-D324 |
| BV-21-MCA-69 | 2T | 45-1-6-MX-69 | 4LC18 CODE J D324 |

6. 6"/47 PROPELLING CHARGE: PRIMER FIRED ONLY

| TYPE | COG | PRIMER ID | REMARKS |
|---|---|---|---|
| CH-9-HA-56 | 2T | 39-0-30-M-48 | 4LC11-D369 |
| CH-1-MCA-48 | 2T | 39-0-56-M-48 | 4LC11-D370 |
| CH-3-MCA-50 | 2T | 39-0-63-M-48 | DITTO |
| CH-5-C-49 | 2T | 39-1-19-M-48 | 4LC11-D375 |
| CH-318-HA-44 | 2T | 13-1-6M226-M-44 | 4LC11-D376 |
| CP-3-C-51 | 2T | 40-0-6-M-48 | 4LC11-D371 |
| CP-[illegible]-SJ-49 | 2T | 40-1-2-M-48 | 4LC11-D377 |

7. [illegible] PROPELLING CHARGES: PRIMER FIRED ONLY

| | COG | PRIMER ID | REMARKS |
|---|---|---|---|
| DX-[illegible]-55 | 2T | 37-2-1-M-52 | 4LC11-D607 |
| DX-6-55-55 | 2T | [illegible]-2-3-M-54 | DITTO |

8. GRENADE HAND ILLUM

| COG | NALCODE | MK-MOD | LOT -LOADER-YEAR | REMARKS |
|---|---|---|---|---|
| 2T | G895 | 1-0 | 33-C-68 | 7NC1 |
| 2T | G895 | 1-0 | 33-C-68 | 4LC12 |

GRENADE HAND INCENDIARY

| COG | NALCODE | MK-MOD | LOT -LOADER-YEAR | REMARKS |
|---|---|---|---|---|
| 2T | G900-1 | AN-M14 | 1-2-PBA | 1Y2A |
| 2T | G900-1 | AN-M14 | 1-2-PBA | 8LC2B |
| 2T | G900 | AN-M14 | 446-39-RPB | 8LC2B |
| 2T | G900 | AN-M14 | 2556-RPB | 1Y2A |
| 2T | G900-2 | AN-M14 | 3346-31-PB | 1Y2A |
| 2T | G900-2 | AN-M14 | 3346-31-PB | 8LC2B |
| 2T | G900 | AN-M14 | 4013-25-31 | 8LC2B |

GRENADE HAND RIOT CSI

| COG | NALCODE | MK-MOD | LOT -LOADER-YEAR | REMARKS |
|---|---|---|---|---|
| 2T | G924-1 | M25A2 | 1-15-NCI | 1Y2A |
| 2T | G924-1 | M25A2 | 1-16-NCI | 1Y2A |
| 2T | G924 | M25A2 | 2-8-NCI-0652 | 1Y2A |

GRENADE RIFLE SMOKE WP

| COG | NALCODE | MK-MOD | LOT -LOADER-YEAR | REMARKS |
|---|---|---|---|---|
| 2T | H030 | M19 | 2-5029-EA | 8LC2C |

9. SMOKE POT, GROUND TYPE

| COG | NALCODE | MK-MOD | LOT -LOADER-YEAR | REMARKS |
|---|---|---|---|---|
| 2T | K864 | M6 | 2012-81-1007-0767 | 1Y2A |
| 2T | K684 | M6 | 2013-62-1006 | 1Y2A |

FLOATING TYPE

| | | | | |
|---|---|---|---|---|
| 2T | K869 | AN-M7 | 1-18-A-10-EA-1071 | 4PC21 |

GROUND TYPE

| | | | | |
|---|---|---|---|---|
| 2T | K874 | 3-0 | 1-81-API-0845 | 7NC3 |
| 2T | L118 | 79-0 | 72-104-PAI-67 | 7NC1 |
| 2T | L118 | 79-0 | -TESCO-68 | 7NC1 |
| 2T | L118 | 79-0 | 6-PIT-69 | 7NC1 |
| 2T | L193 | 1-1 | 2-PYC-67 | 7NC1 |
| 2T | L193 | 1-1 | 4-PXC-71 | 7NC1 |

10. SIGNAL ILLUM A/C DOUBLE STAR RED,RED

| | | | | |
|---|---|---|---|---|
| 2E | L225 | AN-M37A2 | 2-2-PYC-66 | 7NC1 |
| 2E | L225-1 | DITTO | 2-11-PYC-67 | 7NC1 |
| 2E | L225-1 | AN-M37A2 | 2-13-PYC-67 | 7NC1 |
| 2E | L225-2 | DITTO | 1-12-TAC-69 | 7NC1 |
| 2E | L225 | AN-M37A2 | 11-70 | 7NC1 |
| 2E | L225 | AN-M37A2 | 1-3-GD | 7NC1 |

SIGNAL ILLUM A/C DOUBLE STAR YELLOW, YELLOW

| | | | | |
|---|---|---|---|---|
| 2E | L226 | AN-M38A1 | 11A-21-2-70 | 4LC12 |
| 2E | L226 | AN-M38A1 | 11A-21-2-71 | 7NC1 |
| 2E | L226 | AN-M38A1 | 2-17-OM | 7NC1 |

GREEN, GREEN

| | | | | |
|---|---|---|---|---|
| 2E | L227 | AN-M39A2 | 11A-1-2-70 | 4LC12 |
| 2E | L227 | AN-M39A2 | 1-2-KGM-58 | 7NC1 CODE B |

SIGNAL ILLUM A/C RED STAR

| | | | | |
|---|---|---|---|---|
| 2T | L258 | 80-0 | 29-PAI-67 | 7NC1 |

SIGNAL SMOKE & ILLUM MARINE DISTRESS DAY AND NIGHT

| | | | | |
|---|---|---|---|---|
| 2T | L275 | 13-0 | 64-HK-67 | 7NC1 |
| 2T | L275 | 13-0 | 121-KC-67 | 7NC1 |
| 2T | L275 | 13-0 | 133-KC-70 | 4LC12 |
| 2T | L275 | 13-0 | 25-FND-70 | 4LC12 |

11. SIGNAL ILLUM GROUND

RED STAR

| | | | | |
|---|---|---|---|---|
| 2T | L306 | M158 | 24-5-PA-66 | 7NC1 |
| 2T | L306-1 | M158 | 31-22-LOW | 7NC1 |
| 2T | L306-1 | M158 | 31-23-LOW | 7NC1 |
| 2T | L306-1 | M158 | 31-35-LOW | 4LC12 |

| | | | | |
|---|---|---|---|---|
| [illegible] | L310 | [illegible] | [illegible] | [illegible] |
| RED STAR PARACHUTE | | | | |
| 2T | L311-1 | M126[illegible] | 23-21-LOW | 7NC1 |
| 2T | L311 | M126[illegible] | 26-7-FL | 4LC[illegible] |
| WHITE STAR PARACHUTE | | | | |
| 2T | L312 | M127A1 | 1-21-BWG | 7NC1 |
| 2T | L312 | M127A1 | 22-29-KC | 4LC12 |
| 2T | L312 | M127A1 | 89-1-PXC-55 | 7NC1 |
| 2T | L312 | M127A1 | 90-35-PXC-70 | 4LC12 |
| GREEN STAR CLUSTER | | | | |
| 2T | L314 | M125A1 | 84-44-PXC-67 | 4LC12 |
| 2T | L314 | M125A1 | 41-1-LOW-69 | 4LC12 |
| 12. SIGNAL SMOKE GROUND | | | | |
| YELLOW STREAMER | | | | |
| COG | NALCODE | MK-MOD | LOT LOADER-YEAR | REMARKS |
| 2T | L322 | M64 | 2-18-CCG-53 | 7NC1 |
| RED PARACHUTE | | | | |
| 2T | L323 | M129A1 | 80-18-PXC | 4LC12 |
| GREEN PARACHUTE | | | | |
| 2T | L324 | M128A1 | 78-7-PXC-66 | 4LC12 |
| 13. SIMULATOR PROJECTILLE AIRBUST | | | | |
| 2T | L366 | M74A1 | 1-20-PXC | 7NC1 |
| 14. DETONATION SIMULATOR EXPLOSIVE | | | | |
| 2T | L377 | 2-0 | | 3HT2 |
| 2T | L378 | 80-0 | 2-10-S | 3HT2 |
| 15. FLARE A/C PARACHUTE | | | | |
| 2E | L407 | 24-1 | 52-C-67 | 4LC12 |
| 2E | L420 | 24-4 | 29-C-67 | 4LC12 CODE B |
| 2E | L427 | 45-0 | 44-C-67 | 7NC3 |
| 16. FLARE TRIP | | | | |
| 2E | L493-1 | 1-0 | 20-5-TVC-43 | 4LC12 |
| 17. FLARE SURFACE TRIP | | | | |
| 2T | L495 | M49A1/A2 | 15-39-PXC-63 | 7NC1 |
| 2T | L495-1 | M49A1/A2 | 18-5-PXC-67 | 7NC1 |
| 2T | L495-2 | M49A1/A2 | 21-33-PXC-68 | 7NC1 |
| 18. FUSEE R/R WARNING | | | | |
| BLUE | | | | |
| 2T | L535 | 1-1 | 9-FLI-43 | 7NC1 |
| RED | | | | |
| 2T | L536 | 1-0 | 1-BP-53 | 7NC1 |
| 19. SIGNAL ILLUM MARINE | | | | |
| GREEN STAR | | | | |
| 2T | L541-1 | 2-0 | 53-VFM-44 | 7NC1 |
| RED STAR | | | | |
| 2T | L542 | 2-0 | 194-VFM-44 | 7NC1 |
| 2T | L542-1 | 2-0 | 1-22-132-4-TEI-42 | 7NC1 |
| WHITE STAR | | | | |
| 2T | L543 | 2-0 | 175-VFM-44 | 7NC1 |
| 20. MARKER LOCATION MARINE | | | | |
| 2E | L554 | 25-3 | 23-KC-68 | 4LC21 |
| 2E | L554-1 | 25-3 | 33-KC-69 | 4LC21 |
| 2E | L554-2 | 25-3 | 6-KC-73 | 4LC21 |
| 2E | L584 | 38-1 | 1-C-72 | 7NC1 |
| 2E | L585 | 58-0 | 5-C-68 | 7NC3 |
| 21. SIMULATOR PROJ, GROUND BURST | | | | |
| COG | NALCODE | MK-MOD | LOT -LOADER-YEAR | REMARKS |
| 2T | L594 | M115A2 | 30-21A-DEI | 4LC12 |
| SIMULATOR FLASH | | | | |
| 2T | L596-1 | M110 | 1-6-USF-54 | 4LC12 |
| 2T | L596 | M110 | 1-1-AFB-68 | 4LC12 |
| 22. SIMULATOR BOOBY TRAP | | | | |
| FLASH | | | | |
| 2T | L598 | M117 | 1-11-CND | 7NC1 |
| ILLUMINATING | | | | |
| [illegible] | [illegible] | [illegible] | [illegible] | 7NC1 |

SIMULATOR HAND GRENADE
2T L601 M115E2 1-41-AFB-69 4LC12
23. AS DISCUSSED DURING REF (A), THIS COMMAND SEEKS TECHNICAL ASPECTS OF DETONATION AND EXPECTED ENVIRONMENTAL IMPACT.
CONTACT POINT: ENS D. O'LOUGHLIN CODE 184-2 (809) 853-2000
AUTOVON 894-3920 EXTENSIONS 5541/5542.
BT
2635

ORIG: PW
Info: CO, XO, AD, LANTDIV

NNNN

3. CLEARING CHARGES:

COG PRIMER ID