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DEPARTMENT OF THE ARMY OFFICE OF THE ADJUTANT GENERAL

WASHINGTON, D.C. 20310

IN REPLY REFER TO

AGAM-P (M) (17 Jul 68) FOR OT RD 682169 1 August 1968 SUBJECT: Operational Report - Lessons Learned, Headquarters, 184th Ordnance Battalion (Ammo), Period Ending 30 April 1968

SEE DISTRIBUTION

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1 Incl as

KENNETH G. WICKHAM Major General, USÁ The Adjutant General

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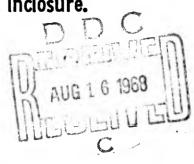
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DEPARTMENT OF THE ARMY
HEADQUARTERS, 184TH ORDNANCE BATTALION (AMMO)
APO SAN FRANCISCO 96238

. 12 May 1968

SUBJECT: Operational Report of the 184th Ordnance Battalion (Ammo) for Period Ending 1 February 1968 - 30 April 1968, RCS CSFOR-65 (R1)

THRU: Commanding General, US Army Support Command, Qui Nhon, ATTN: AVCA-QN-GO-H, APO 96238

Commanding General, 1st Logistical Command, ATTN: AVCA-GO-O, APO 96384

Commanding General, United States Army, Vietnam, ATTN: AVHGC-DST, APO 96375

Commander-In-Chief, United States Army, Pacific, ATTN: GPOP-OT, APO 96558

TO: Assistant Chief of Staff for Force Development, Department of the Army, Washington, D.C., 20310

1. Section 1, Operations: Significant Activities.

- a. During the reporting period the 184th Ordnance Battalion (Ammunition) (Direct Support) continued to perform its mission as a conventional ammunition battalion.
- b. The battalion's capabilities remained the same as no new units have been assigned or attached and there have been no units reassigned. The battalion assumed the operational responsibility of Ammunition Supply Point 340, located at An Khe, on 18 Mcrch 1968. A tactical move to BR 450455 took place at 180900March 1968 with 54 men and 9 vehicles. Two of the three assigned ammunition companies have acquired new commanders. Captain Beau B. Beard has assumed command of the 820th Ordnance Company (Ammo) and Captain Paul J. Bourque is commanding the 630th Ordnance Company (Ammo). The battalion has been engaged in combat service support operations during the entire ninety day reporting period.

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Operational Report for Period Ending 1 February 1968 - 30 April 1968, RCS CSFOR-65 (R1)

c. Mission:

- (1) The battalion's primary mission is the operation of the Qui Nhon Ammunition Base Depot (QNABD). Additional missions of the battalion are the operation of the Qui Nhon Ammunition Base Depot Brass Yard Annex and Ammunition Supply Point 340 (BR 450455). All assigned units are functionally organized in direct support of the Depot mission.
- (2) The following tonnages indicate the battalion's lift activities during the reporting period:

QNABD	February	March	April	Total
Issues	29,691.1	27,943.8	24,035.0	81,669.9
Receipts	16,344.2	30,685.1	30,337.3	77,366.6
Rewarehousing	<u>5,442.2</u>	12,270.4	<u>7,698.2</u>	25,410.8
Total	51,477.5	70,899.3	62,070.5	184,447.3
ASP 340		<u>March</u>	April	Total
Issues		614.9	2,992.9	3,607.3
Receipts		1908.0	4,814.2	6,722.2
Rewarehousing		<u>1570.6</u>	<u>4,336,5</u>	5,907.1
Total		4,093.5	12,143.6	16,236.6

Brass Yard Retrograde of Salvage: 12,210

QNABD: 184,477.3 ASP 340: 16,236.6 Brass Yard: 12.210.0 Total 212,923.9 S/T

d. As of 30 April 1968 this battalion was supporting the following organizations with personnel and equipment:

Organization	OFF	<u>WO</u>	NCO	<u>EM</u>
FSA McDonald	1	0	1	13
FSA Lathrop	0	0	1	9
FSA Brown	0	0	2	6
FSA Moroz	1	0	0	3
FSE Frazier	0	0	2	1
Da Nang Sup Cmd	0_	0	0	50
Total	2	0	6	85

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Organization	Equipment
FSA McDonald	1ea Generator 3KW 1ea Trailer, 3/4ton 1ea Truck, Cargo 3/4ton w/Teletype Converter
FSE Kay	1ea Radio, AN/GRC 46A 1ea Trailer, 3/4ton 1ea Antenna Group 1ea Radio-Teletypewriter, AN/GRC
Pleiku SAC	1ea Forklift 6,000 R/T
Da Nang Support Cmd	2ea Forklift 6,000 R/T 1ea Truck, Utility, tton/Trl 1ea Crane, 20ton, R/T 1ea Truck, Cargo 2ton

e. The battalion continued a vigorous self-help building program during the reporting period. This construction has resulted in a new two story troop billet, shower, dayroom, orderly rooms, BEQ, mess halls, PX, and BOQ in the battalion cantonment. Physical security has been improved by the installation of flood lights completely around the perimeter and the construction of triple-concertina and barbed wire fence. Bunker improvement and clearing of jungle from the surrounding hillsides continues with organic bulldozers. A new fence of German concertina wire is being installed around the ABD. Clearing of jungle and building of perimeter road around ABD continues. Both new and replacement guard towers have been constructed and the internal security WD 1 wiring completely replaced with five pair cable. The security area, destroyed during TET, has been rebuilt and a complete MHE motor pool constructed in the ABD.

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- 2. Section 2. Lessons Learned: Commander's Observations, Evaluations, and Recommendations.
 - a. Personnel.
- (1) Upgrading motor sergeant (TO&E 9-86F para 02 line 05) from E-5 to E-6.
- (a) OBSERVATION. The duty of motor sergeant under TO&E 9-86F encompasses the maintenance of 28 vehicles and 3 generators. A SGT E-5 has neither the experience nor rank to exercise the control and supervisory functions inherent in this number of personnel and equipment.
- (b) EVALUATION. Upgrading the position of motor sergeant under TO&E 9-86F would allow the position to be filled by a skilled and experienced NCO capable of exercising complete technical supervision over his subordinates. The motor sergeant is responsible for 28 vehicles, 3 generators, 6 motor pool personnel, and operators for all equipment. It is essential that assigned equipment be maintained at the highest level in order to insure the accomplishment of the unit mission.
- (c) RECOMMENDATION. The position of motor sergeant (MOS 63B40) be upgraded from E-5 to E-6.
 - (2) Addition of armorer (MOS 76Y30) to TO&E 9-86F.
- (a) OBSERVATION. TOKE 9-86F authorizes 102 M-14 rifles; 5, .45 Cal pistols; 2 M-60 machineguns; and 2, 3.5 rocket launchers; but does not authorize a trained armorer for the repair and maintenance of these weapons.
- (b) EVALUATION. Experience has shown that because of the enemy situation in Vietnam there is a continuing issue and turn-in of weapons. Toke 9-86F indicates that the unit supply sergeant will perform the duties of the unit armorer. It is impossible for the supply sergeant to function as the armorer and perform his other duties. Supply personnel not trained in the maintenance and repair of small arms cannot keep assigned weapons at the necessary level of readiness required in a combat zone. The addition of an armorer to Toke 9-86F will insure performance of proper weapon maintenance and repair, thus increasing unit combat readiness.
- (c) RECOMMENDATION. An armorer, grade E-4 MOS 76Y30 be authorized under 9-86F.

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- TOSE 9-17E. Addition of Administration Specialist (MOS 71L20) to
- (a) OBSERVATION. The administrative work load in an ammunition company (TO&E 9-17E) exceeds the capabilities of a single company clerk (MOS 71H2O).
- (b) EVALUATION. TOKE 9-17E authorizes one company clerk to perform the administrative duties for the following authorized personnel: 223 EM; 2 WO; 3 OFF. The work load consists of performing duties such as preparing drafts, typing, and assembling unit publications, orders, and reports, Prepares unit morning report, prepares allotments and all matters pertaining to finance, routes communications, correspondence, request for directives, publications, and travel orders to the higher headquarters. Answers personal and telephone inquires relating to administrative and clerical matters. Sels up and maintains alphabetical and numerical files and filing systems. Frepares statistical information to be post to office records at higher headquarters. The addition of an administration specialist (MOS 71L20) to TOKE 9-17E would apportion the administrative work load and lead to professional office procedure.
- (c) RECOMMENDATION. TOKE 9-17E authorizes an administrative specialist (MOS 71L20) to the company headquarters.

b. Operations.

(1) Enemy mines on improved roads.

- (a) OBSERVATION. During the reporting period two heavy vehicles sustained moderate damage due to enemy mines planted on the shoulder of an improved asphalt road (QL 1).
- (b) EVALUATION. Enemy antivehicular mines were planted on an improved ashpalt road at a point where the road curves sharply. The vehicles were traveling in excess of the posted speed and were required to move onto the shoulder of the road to avoid overturning. The mines were dug in at the point of maximum curve thus the vehicle detonated the mines and were severly damaged.
- (c) RECOMMENDATION. Drivers should be cautioned to stay off the shoulder of all roads except in emergency situations. Drivers should be further warned not to exceed the posted speed limit on curves.

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(2) Booby trapped packages.

- (a) OBSERVATION. A package being carried by three Vietnamese children to two MP gate guards exploded as the children approached.
- (b) EVALUATION. A Vietnamese man paid the three children 60 piasters to deliver the package to the MP's. Upon detonation two of the children were killed and the other seriously injured. The MP's were unharmed. The explosive device was suspected to be either a clockwork or chemically activated bomb.
- (c) RECOMMENDATION. Military personnel should suspect any packages offered to them by Vietnamese Nationals to be booby trapped in some manner.

(3) Storage area maintenance

- (a) OBSERVATION. A constant requirement exists within the Qui Nhon Armunition Base Depot for heavy maintenance of roads, berms, and storage sites. Construction equipment is required on a full-time basis.
- (b) EVALUATION. Ammunition storage sites, particularly in Vietnam, are occupied for long periods. The Qui Nhon Ammunition Base Depot is relatively permanent with concrete storage pads, earthen berms, and rock surfaced roads. The maintenance of these sites becomes a permanent problem due to recurring damage by monsoons and heavy traffic. Bulldozers organic to the ammunition companies have proved inadequate for road and berm building because of their inability to move dirt between locations or to construct a hard and smooth road surface. The authorization of a road grader, sheep-foot roller, scoop loader, and dump trucks, to TOXE 9-86F would provide a capability for storage site preparation and maintenance including pads, roads, berms and security measures. It is felt that if full-time utilization of equipment can be justified then inclusion within TO&E authorization is appropriate. Assuming complete initial construction by Engineer units, the problems of daily upkeep and vaintenance will dictate maximum use of this equipment if acceptable safety and operating procedures are to be sustained. Repair and maintenance services performed by Engineer support after initial construction are either non-existent or available only after an unacceptable time delay.
- (c) RECOMMENDATION. TOLE 9-86F authorize the following Engineer equipment for ammunition storage site construction and

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maintenance:

Grader, Road, Motorized 1ea
Roller, Sheep-Foot, Towed 1ea
Loader, Scoop-Type, Wheeled 1ea
Truck, Dump, 5 ton 1ea

(4) Maneuverability and emplacement of cranes

- (a) OBSERVATION. A commercial crane could be employed advantageously as a substitute for the authorized 5 ton crane.
- (b) EVALUATION. TO&E 9-17E authorizes four truck-mounted fton rough terrain cranes for ammunition handling. The 20 ton truck-mounted crane, earth, rough terrain and standard, are in use as substitute items. The Qui Nhon Ammunition Base Depot employs both the organic 20 ton cranes and commercial crane operated by civilian contractor. The Kyoei K-70A crane has proved very effective by comparison to the larger military crane. The comercial crane in readily emplaced with hydraulic outriggers, is quickly displaced for redeployment, and has a capacity of 7.7 short tons which is more than sufficient for ammunition handling. The boom is retractable which increases the versatility of the crane. While the 5 ton rough terrain crane is the preferred item, the current substitute is the 20 ton crane. Experience with the larger crane has shown much greater time required for maintenance than with the commercial crane. Experience with the 5 ton wrecker has shown it to be unsatisfactory for ammunition handling over extended periods due to the maintenance requirements.
- (c) RECOMMENDATION. That a commercial crane similar to the Kyoei K-70A crane shown in Inclosure 1 be utilized as a substitute for the authorized 5 ton rough terrain crane where pessible.

c. Training.

(1) Inventory training of amounition personnel.

(a) OBSERVATION. Personnel arriving in Vietnam trained in MOS 55B are not sufficiently trained in inventory procedures for

Operational Report for Period 1 February 1968 - 30 April 1968, RCS CSFOR-65 (R1)

- (b) EVALUATION. Personnel assigned in MOS 55B have a definite lack of knowledge and ability in the inventory procedures to be used in ammunition accounting. The volume of transactions experienced here causes the majority of inventory and counting of receipts and issues to be accomplished by ammunition handlers. The introduction of the palletization concept, the increase in the variety of ammunition types, and the high volume of ammunition handled in Vietnam complicate the inventory effort. An increased ability in the ammunition storage specialist to cope with the inventory requirements would result directly in better management data at all levels.
- (c) RECOMMENDATION. That inventory and receipts and issue accounting procedures for ammunition be stressed in 55B MOS producing courses and that aptitude area CL be included in the mental requirements for MOS 55B.
 - d. Intelligence. NONE
 - e. Logistics.
 - (1) Sea-Land container usage.
- (a) OBSERVATION. Sea-Land Transportation Company equipment was used on a trial basis for the retrograde shipment of expended ammunition components to CONUS. This system proved more efficient than conex shipments.
- (b) EVALUATION. The lift requirements for packing Sea-Land containers is one-half that required for conex containers. Additionally, no cargo vehicles are required to transport the Sea-Land containers. Packing and preparation is also faster for the Sea-Land containers.
- (c) RECOMMENDATION. That Sea-Land containers be used for the retrograde shipment of expended ammunition components.

(2) Strapping of ammunition.

- (a) OBSERVATION. A comparison of $1\frac{1}{5}$ inch to 2 inch steal strapping shows the $1\frac{1}{5}$ inch to be most practical for ammunition.
- (b) EVALUATION. The 1½ inch steel strapping is the optimum size for banding boxes to pallets and pallets to vehicles. The 2 inch strapping has proved cumbersone and awkvard. The time needed to handle ammunition in correspondingly increased with the use of 2 inch strapping.

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(c) RECOMMENDATION. That 1th inch steel strapping be provided as the standard strapping material for ammunition purposes.

(3) mall lot size in CONUS shipments.

(a) OBSERVATION. Ships discharging ammunition at Qui Nhon have contained numerous small lots for a particular EODIC. The following list of lots and corresponding quantities in eight-round pallets of 155mm HE projectiles (1320-D544) from the North Platte Victory is typical:

LOF 1-20 LOF 3-25 LOF 3-29 LOF 3-34 LOF 5-29 177 LOF 5-31 132 LOF 5-31 132	FALLETS
LOF 3-93 LOF 3-97 LOF 3-97 LOF 3-99 LOF 3-116 LOF 3-125 LOF 5-32 LOF 5-32 LOF 5-34 LOF 5-34 LOFS -43 LOFS -44 LOFS -46 L	33 75 39 39 32 13 39 48 50 95 6

(b) EVALUATION. Such a large number of lots for a particular item of ammunition greatly increases the storage and accounting functions. Four utilization of storage space results because of necessary lot separation distances which must be maintained on storage pads. The probability of accounting errors is greater when additional entries are made into the ammunition stock records systems. Needless to say, the ammunition surveillance problem is directly proportional to the number of lots on hand.

(c) RECOMMENDATION. That small lots be shipped only when absolutely necessary and that CONUS depots make a positive effort to use these "tag ends" either for training purposes or shipment to inactive theatres.

Operational Report for Feriod 1 February 1968 - 30 April 1968, RCS CSFOR-65 (R1)

(4) Retrograde of ammunition.

- (a) OBSERVATION. Ammunition packed for retrograde in conex containers is more suitable for shipment than that shipped in pallets.
- (b) EVALUATION. Ammunition selected for retrograde from Qui Nhon Ammunition Base Depot has generally been in deteriorated packing. The lack of packing materials to repack ammunition prior to retrograde can result in damage during shipment. To preclude this, conex containers have been used successfully to pack retrograde ammunition. Mortar ammunition is particularly suited to conex packing. An orded advantage is the return of conex containers to CONUS for reuse.
- (c) RECOMMENDATION. That conex containers be used more extensively for retrograde of ammunition.

EDMUND J LTC, OR C Commending

AVCA-QN-GO-H (12 May 68) 1st Ind SUBJECT: Operational Report of the 184th Ordnance Battalion (Ammo) for Period Ending 1 February 1968 - 30 April 1968, RCS CSFOR-65 (R-1)

HEADQUARTERS, US ARMY SUPPORT COMMAND, QUI NHON, APO San Francisco 96238

Commanding General, 1st Logistical Command, ATTN: AVCA GO-O, APO 96384

The Operational Report - Lessons Learned for Quarterly Period Ending 30 April 1968 from Headquarters, 184th Ordnance Battalion (Ammo) has been reviewed and is considered adequate with the following comments:

- a. Section 2, Paragraphs 2a(1), 2a(2) and 2a(3). The unit should submit a request for changes to the MTOE in accordance with USARV Regulation 310-
- b. Section 2, Paragraph 2b(3). Full time use of engineer construction equipment at Qui Nhon Ammunition Base Depot is not justified. However, in RVN where repair and maintenance service is not readily available because of diversion of engineer support to projects with higher priority, it becomes necessary in the operation of the ammunition base depot to have a repair and maintenance capability for pads, road, berms and security needs within the base depot if safety requirements are to be met.
- c. Section 2, Paragraph 2b(4). Use of the commercial type crane similar to the Kyasi K-70A has merit. However, use of commercial equipment would place an undue strain on the maintenance and supply system unless contract maintenance was available to provide support. The unit should submit a request for change to the MTOE in accordance with USARV Regulation 310-31.
- d. Section 2, Paragraph 2e(1). Sea-Land containers are authorized for the shipment of expended ammunition components provided CONEX containers are not readily available. This headquarters agrees that the use of Sea-Land containers is a more efficient means of shipping ammunition components than using CONEX's.
- e. Section 2, Paragraph 2e(4). Retrograde ammunition such as small caliber rounds packed in wooden boxes that have become deteriorated are best retrograded to CONUS in CONEX's. Large caliber items would not be practical for CONEX shipment because only a few rounds would "cube-cut" a CONEX before it would "weight-cut".

FOR THE COMMANDER:

W.E. BOTTERBUSH

CPT, AGC

Asst Adjutant General

AVCA GO-O (12 May 68) 2nd Ind SUBJECT: Operational Report of the 184th Ordnance Battalion (Ammo) for Period Ending 1 February 1968 - 30 April 1968, RCS CSFOR-65 (R-1)

DA, Headquarters, 1st Logistical Command, APO 96384

TO: Commanding General, United States Army Vietnam, ATTN: AVHGC-DST, APO 96375

- 1. The Operational Report Lessons Learned submitted by Headquarters, 184th Ordnance Battalion (Ammo) for the quarterly period ending 30 April 1968 is forwarded.
- 2. Pertinent comments follow:
- a. Reference Section II, paragraph c. Concur. The recommendation to stress inventory, receipt and issue accounting procedures for ammunition in 55B MOS courses will be forwarded to Redstone Arsenal.
- b. Reference Section II, paragraph e(1). Concur. Sea-Land containers are the most efficient means for shipping expended ammunition components as well as other compatible cargo. However, current COMUSMACV policy (COMUSMACV Msg UNCLAS 15519 DTG 30227Z May 68) limits the use of Sea-Land Vans at all RVN ports except Saigon which is authorized use of Sea-Land for CONUS retrograde of all container compatible dry cargo. A recent AMC staff visit to RVN indicated that Army owned Sea-Land Vans will be in service between Vietnam and CONUS beginning in Oct Nov 1968. This action may set aside present restrictions on the use of Sea-Land.
- c. Reference Section II, paragraph e(2). Units may order $1\frac{1}{4}$ inch strapping as required.
- d. Reference Section II, paragraph f(4). Concur with paragraph e, 1st Indorsement. A study is being conducted on the feasibility of adopting the locally fabricated retrograde boxes designed by 3rd Ordnance Battalion which are more efficient and less costly to use than Conex containers.
- 3. Concur with the basic report as modified by indorsements. The report is considered adequate.

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FOR THE COMMANDER:

TEL: LBN 2684

Copy Furnished 184th Ord Bn USASUPCOM, WNH J.S. WADDELL
ILT, AGC

Ass t Adjutant General

15

AVHGC-DST (12 May 68) 3d Ind SUBJECT: Operational Report of the 184th Ordnance Battalion (Ammo) CPT Arnold/ms/LBN 4485 for Period Ending 1 February 1968 - 30 April 1968, RCS

CSFOR-65 (R1)

HEAD UARTERS, US ARMY VIETNAM, APO San Francisco 96375

TO: Commander in Chief, United States Army, Pacific, ATTN: GPOP-DT, APO 96558

- 1. This headquarters has reviewed the Operational Report-Lessons Learned for the quarterly period ending 30 April 1968 from Headquarters, 184th Ordnance Battalion (Ammo).
- 2. Concur with report as submitted.

FOR THE COMMANDER:

JOHN V. GETCHELL

Captain, AGC

Assistant Adjutant General

Copies furnished: HQ, 1st Log Cmd HQ, 134th Ord Bn (Ammo)

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GPOP-DT (12 May 68) 4th Ind SUBJECT: Operational Report of HQ, 184th Ord Bn (Ammo) for Period Ending 30 April 1968, RCS CSFOR-65 (R1)

 $HQ_{_{20}}$ US Army, Pacific, APO San Francisco 96558 $2.6\,$ JUN 1968

TO: Assistant Chief of Staff for Force Development, Department of the Army, Washington, D. C. 20310

This headquarters has evaluated subject report and forwarding indorsements and concurs in the report as indorsed.

FOR THE COMMANDER IN CHIEF:

C. F. OSBOURN

MAJ. AGC

Asst AG

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°CO, 184th Ordnance Battalion (Ammo	, ,
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