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Portion (s) Declassified IAW: MNF-I SCG, 31 Mar 2007 Declassified on: 9Dec08

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Total Munitions: 4251
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OPERATION	DATE	LOCATION	AGENT	MUNITION	QUANTITY	FILL	EMPTY / FAKE	DETAILS OF DISCOVERY	SAMPLING INFORMATION	DETAILS OF DESTRUCTION
Cache	23-Oct-08	NW of Taji	mustard	155mm Arty	10	5	5	Unit conducted a deliberate cache clearance operation in the location of previously discovered 155mm mustard munitions in AUG 08.	EOD conducted weight and liquid slosh analysis and the information that 13 x 155mm mustard munitions had recently been discovered in this area	EOD destroyed the rounds using a 5:1 explosive to weight of agent ratio.
Cache	13-Oct-08	FOB Falcon, MND-B	empty	155mm Arty	3		3	EOD responded to ERW found and they identified the munitions as and welded base plates.	The munitions were not sloshing, one round had a burst tube and the other two had tuze wells full of sand and dirt.	EOD destroyed the rounds using a 5:1 explosive to weight of agent ratio.
Cache	9-Oct-08	COP Cashe North (MND-E)	empty	AOKH-8	3		3	Iraqi NP brought the munitions to the COP to handover to EOD for disposal. TEU was tasked to identify, assess, and dispose of 3x Russian-made AOKH 8 Air Dropped Free-Fall-Shroud-Fin These bombs are designed to carry Diphenylchlorosine (DA), an agent that falls under the Riot Control Agent (RCA) category.	X-rays were conducted on all three bombs with negative results for liquid fill lines. Pre and Post Blast soil samples were taken with negative results on the Hapsite and the HAZMAT-ID for residual chemicals.	All three bombs were destroyed utilizing the 5:1 explosive-to-fill weight ratio method.
Excavation on FOB	3-Oct-08	FOB Delta	empty	BR-500	2		2	Rounds were discovered on the FOB during excavation for area improvements. TEU was tasked to identify, assess, and dispose of 2x BR-500 Bombs for possible CWA or WP fill.	TE's assessment is that both BR-500 rounds are empty and have never been filled with CWA. Both rounds were assessed using the Portable Isotopic Neutron Spectroscopy (PINS) which resulted with negative readings for the presence of CWA and negative readings were received on all other detection equipment. No fill line was detected in either round by EOD X-rays	EOD destroyed the rounds via normal controlled detonation operations.
Cache	5-Sep-08	NE of Ar Ramadi, MNF-W	sarin	122mm	2	2		IP discovered a cache and called EOD to assist with demolition. EOD arrived and moved the munitions to a known demolition range for destruction. After destruction it was assessed that two munitions could have possibly contained nerve agent.	ICAM and soil samples of conducted after the destruction were negative for CW agent.	EOD destroyed the rounds via normal controlled detonation operations.
Cache	4-Sep-08	FOB ORYAN, MND-N	empty	155mm Arty	1		1	MITT and IA brought a suspect round operations	X-ray showed no fill line and HAZMAT ID showed no CW in the soil surround the rounds	EOD destroyed the rounds using a 5:1 explosive to weight of agent ratio.
Cache	16-Aug-08	NW of Taji	mustard	155mm Arty	25	13	12	EOD discovered a leaking 155mm while conducting a controlled cache.	TE conducted non-intrusive sample using PINS and weighed the munitions.	TE destroyed rounds using a 5:1 explosive to weight of agent ratio.
Cache	14-Aug-08	Al Amarah	empty	155mm Arty	17		17	Munitions discovered during patrol of a war timeframe.	No sampling, rounds had welded base plates, burster tubes but had undergone demit.	EOD destroyed rounds via normal controlled detonation operations
Patrol Base Activities	20-Jul-08	JSS Love, MND-N	empty	155mm Arty	2		2	Local national turned in two 155mm munitions to the ECP	No sloshing, no vapor and X-Ray determined no fill line	EOD destroyed rounds via normal controlled detonation operations
Mounted Patrol	11-Jul-08	E Anbar Province Muthanna Chemical Complex	Mustard	155mm Arty	5	4	1	Unit discovered munitions while conducting routine mounted patrol of the Muthanna CW Complex	TE sampled munitions with ICAM, LCD-3, and soil samples from under the rounds	TE destroyed all rounds using a 5:1 explosive to weight of agent ratio
Route Clearing Mission	8-Jul-08	E Anbar Province Muthanna Chemical Complex	empty	122mm	1		1	Unit visually identified munition on side of road during route clearance		

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Cache	3-Jul-07	E Anbar Province Muthanna Chemical Complex	Mustard	155mm Arty	1	1	During recon, TM 6 noticed a 155mm with a welded base plate, burster tube and unknown liquid present.	Vapor test with M18A3	Projectile was packaged and destroyed IAW 30A-1-1-11
Cache	19-Jun-08	E Anbar Province Muthanna Chemical Complex	Mustard	155mm Arty	147	4	IA discovered a cache consisting of 147 x 155mm munitions. TE conducted munitions exploitation mission and determined four of 147 rounds had a fill line and PINS presumptively identified HD.	PINS analysis presumptively identified 4 rounds as HD. No further sampling was conducted.	TE destroyed all rounds using a 5:1 explosive to weight of agent ratio on 23 Jun 08
Cache	17-May-08	E Anbar Province Muthanna Chemical Complex	empty	R-400	9	9	Acting on a reliable source; 2/2-1 IA reported (9) Russian Air-to-Ground HE missiles IVO 38S LC 9219 5260, 2/2-1 IA set up a 300m cordon and requested EOD support.		EOD Destroyed the rounds on the site 17 May 08
Cache	16-May-08	E Anbar Province Muthanna Chemical Complex	empty	122mm	107	107	Acting on a reliable source; 2/2-1 IA discovered (107) 122mm Rockets in the Muthanna chemical area. 2/2-1 IA deemed ordnance safe to transport due to large holes in casing and transported ordnance to grid 38S LC 8914 4701. 2/2-1 IA then notified W2 of ordnance location. EOD was then requested by W2.	All ordnance items were destroyed by detonation. There was no evidence taken for exploitation.	EOD Destroyed the rounds on the site 16 April
Cache	14-May	W Anbar Province 40m from Jordanian border	none; isopropyl alcohol	R-400	10	10	At 141521C MAY08, TF 2D LAR (D2D LAR) discovered a cache 50km SW of Rutbah at the H3 airfield at (37S ES 74051 44083). The cache was visually and was described as (10) 1000lb bombs partially buried. EOD responded and is on scene. EOD used a shape charge to assess a 1000lb bomb as to its composition and discovered a liquid inside. The EOD team requested another EOD technician and CBRN Marine from Camp Korean Village.	TEU took samples. PINS and X-ray of the munitions	EOD Destroyed the rounds on the site 21 MAY
IED	21-Apr-08	MSR Tampa MND-B	Suspected Mustard*	155mm Arty	2	2	447th OL-ATeam X-Ray/VictorTeam was embedded with 1st PLT 3STB during route clearance mission. TFIC Buffalo interrogated 2 ea projectiles with no visible initiation system. Controlled detonation was completed, resulting in 2 ea kicked out projectiles and unearthened 1 ea Shenzhen transceiver and 1 ea battery initiation system. Upon further investigation TL identified 2 ea 155mm Iraqi Unknown Chemical Projectiles.	M8 Paper test was inconclusive; no other tests were done. Based upon the images received from the site where burster tube, weld around the base plate, leak in the nose well IC has determined that these two rounds were CW rounds (these two rounds mustard)	EOD Destroyed the rounds on the site 21 April 08

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IED	15-Aug-07	Salah Ad Din Province	Mustard	155 mm Arty	1	1	<p>While returning to FOB Paliwoda, an IED was discovered in northbound lane of Rte Peggy. Team ID'd round as possible chemical 155mm projectile. artillery container. Item is awaiting disposal instructions.</p>	<p>Upon examination of the round by TEU on 31 Aug 07, the presence of a burster tube and welded baseplate were highly suggestive of a CW round. TEU drilled outer shell and sampled interior of breached round. Sample negative for CW. TEU assesses based on physical characteristics round was consistent with demilled legacy 155mm mustard round</p>	EOD destroyed round on 31 Aug 07
IED	9-Aug-07	Salah Ad Din Province	Mustard	155 mm Arty	1	1	<p>IED detonated on Nomad 6. An additional round was reported in the crater. EOD responded and identified the projectile was split in half and a black liquid was in the bottom of the FOB Paliwoda for further analysis. TEU notified.</p>	<p>12 Aug 07 TEU sampled liquid in the round. Lab analysis confirmed presence of sulfur mustard. Pre and post blast samples negative for CW</p>	EOD destroyed round 12 Aug 07
Route Clearing Mission	30-Jul-07	Anbar Province	Demilled mustard munitions	155 mm Arty	17	17	<p>While performing route clearing mission, EOD discovered cache of projectiles containing 17x155mm, 11x120mm HE, 29x125mm HE projectiles.</p>	<p>EOD unit field tested 3x155 rounds with M8 and Hazmat ID. TEU X-rayed rounds: 8 of 17 had liquid fill lines. PINS spectra performed on those 8 rounds--negative for HD; chlorine solution consistent w/ previously demilled rounds</p>	Destroyed 2 Aug 07
UXO cache for controlled det.	19-Jul-07	Anbar Province	155mm Arty	155mm Arty	1	1	<p>155mm artillery round discovered in a UXO dud pit. During transport for controlled det, EOD discovered liquid leaking from the round and noted a strong "Nail polish" odor. Sample was taken and round was destroyed. IA reported the round was discovered a few days after the YBIED blast on the Ramana Municipal Building, approx 75km from the blast site</p>	<p>Sample, M8 paper, 256 kit and round were destroyed by USN EOD</p>	
Cache	10-Jul-07	Anbar Province	Mustard	155mm Arty	23	23	<p>While performing vehicle patrol, BLT 3/1 discovered cache of projectiles. EOD arrived and IDs rounds as 155mm chem projectiles--had same appearance and smell as previous mustard projectiles found. Images taken by EOD identified burster tubes, burster adapter, and agent fill.</p>	<p>No sampling performed. M8 paper was not used due to lack of liquid present.</p>	EOD destroyed projectiles 10 Jul 07
Cache	07-Jul-07	Anbar Province	Mustard	155mm Arty	36	36	<p>While conducting cache sweeps, BLT 3/1 discovered a weapons cache of 36x 155mm projectiles in a 2 room structure w/ no roof. EOD arrived and conducted visual assessment, possibly identifying chemical munitions--based on historical</p>	<p>1 soil sample taken from ground beneath nose of a 155mm chem projectile that appeared to have residue leaking from it. Sample tested by DTK; results positive for sulfur mustard</p>	EOD destroyed projectiles 8 Jul 07
AVARICE XVII	01-Jul-07	Maysan Province	G Series Nerve	122mm Borak	10	2	<p>EOD also identified mustard residue on the ground</p> <p>as 122mm Al Borak Rockets: X-ray analysis showed visible liquid line, stabilizer, burster tube, fill plug</p>	<p>Pre and post blast soil samples sent to DTK for analysis--all soil samples negative for chemical warfare agent</p>	Destroyed on site 1 Jul 07

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Found on Routine Mission	09-Jun-07	Anbar Province	Mustard	155mm Arty	1	1	<p>EOD responding to IED discovered 155mm projectile partially buried in the desert. EOD performed controlled det. The round partially opened—inside was described as tar like substance.</p> <p>On 18 May, after conducting a controlled detonation, EOD discovered an oily substance surrounding 152mm round. EOD field tested 3 spots w/ M8—positive for mustard. The round had been found in a SVBIED which exploded on 23 April along Route NOVA</p> <p>Team responded to an IED at 38S MC 12482 63889 while on RCT Mission with Engineers. Item was buried on the north side of MSR Tampa with Command Wire (300m). Talon robot was deployed for site interrogation</p> <p>Team identified the round as 1 X 155MM M110 projectile with two bottles of accelerant. Also discovered down set of NVG's (NEWCON-Optik- SN 052060530) Both the NVG's and M110 projectile were recovered and placed in SHA. Projectile was leak sealed and packaged awaiting TEU exploitation. Scene was declared safe and proceeded on with RCT Mission. Incident Terminated. 45 Mins 012212CAPR07 MC: 012300CAPR07</p>	DTK analyzed residue. Results positive for sulfur mustard.	EOD destroyed on site
SVBIED	23-Apr-07	Habbaniyah	Mustard	152mm Arty	1	1	<p>M8, ICAM positive for H series blister; HAZMAT ID inconclusive. DTK analyzed 2 pre- and 6 post-blast soil samples and 1 uniform; Analysis confirms presence of sulfur mustard</p>	<p>M8, ICAM positive for H series blister; HAZMAT ID inconclusive. DTK analyzed 2 pre- and 6 post-blast soil samples and 1 uniform; Analysis confirms presence of sulfur mustard</p>	<p>Rounds destroyed at Camp Taqaaddum (Joe Foss Range) 18 May 07</p>
Routine Route Clearance	01-Apr-07	Salah Ad Din Province	PINS - Unknown	155mm Arty	1	1	<p>Team recovered two empty 155mm HD projectiles from the 1169 Engineer TOC. Rounds had been recovered some time ago (weeks or months) at unknown locations and brought back to base by route clearance teams to keep ordinance from being used for IEDs</p>	<p>Scraped samples from cracked round</p>	<p>Rounds destroyed at FOB O'Ryan on 6 Apr 07</p>
Routine Route Clearance	22-Mar-07		Mustard	155mm Arty	2	2	<p>Round discovered during route clearance mission - EOD tried to detonate on site. Round was not destroyed, found to be empty and did not contain a burster tube, handled by CF. Mustard exposure on thigh most likely attributed to contaminated gloves which were stored in cargo pockets for extended period of time.</p>	<p>Suspect round was discarded into a deep water canal between IED emplacement location and LSA Anaconda</p>	<p>Unilaterally destroyed by UK EOD on 1 Apr 07</p>
Routine Route Clearance	11-Mar-07	Salah Ad Din Province	Mustard	155mm Arty	1	1	<p>2-SCAV struck by an IED. PBA indicated possible chemical fill. 79th OD BN 70th EOD Team 1 responded to incident, took soil samples.</p>	<p>M8 paper and ICAM field analysis indicated H. No direct sample of fill taken; samples of soil and pre/post blast samples provided to DTK; Sampled 28 Feb 07</p>	<p>Rounds destroyed at FOB O'Ryan on 6 Apr 07</p>
Routine Route Clearance	28-Feb-07	Salah Ad Din Province	Mustard	155mm Arty	1	1		<p>EOD destroyed round on site 28 Feb 07</p>	

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OP MURROW	05-Apr-06	Taji	NAF	122mm Type III or IV Borak	-	-	-	-	14 rockets destroyed in MND-CS on 5 Apr 06
AVARICE BLUE III/AVARICE XI	05-Apr-06	Central South	NAF	122mm Borak	15	15	1	1 rocket transported to Camp Slayer for further analysis; 1 munition sampled 7 Apr 06	Destroyed by EOD
OP MURROW	03-Apr-06	Taji	Sarin	122mm Type III or IV Borak	-	-	-	Only 7 of 57 had fill...these 7 were examined by PINS	Rocket housing saved for training aid
AVARICE BLUE I	17-Mar-06	Baghdad	Leak Dye Test	122mm Borak	1	1	1	Rocket sampled and decontaminated. Sampled 3/18/2006	
AVARICE X	14-Mar-06	Maysan Province	Sarin	122mm Borak	186	177	9	Pre and post destructive blast soil samples taken on 14 Mar 06. No samples taken of munition fill.	All rockets destroyed in MND-SE on 14 Mar 06
AVARICE IX	26-Feb-06	Maysan Province	Sarin	122mm Borak	79	79	79	No samples taken	79 rockets destroyed in MND-SE by Team 4 on 26 Feb 06
AVARICE VIII	12-Feb-06	Maysan Province	Sarin	122mm Borak	157	157	157	No samples taken	157 rockets destroyed in MND-SE by Team 4 on 12 Feb 06
BEDOUI N I	14-Jan-06	Maysan Province	Sarin	122mm Borak	16	16	16		Unilaterally destroyed by UK EOD on 15 Jan 06
AVARICE VII	13-Jan-06	Maysan Province	Sarin	122mm Borak	100	100	100	2 rockets sampled in MND-SE on 13 Jan 06	100 rockets destroyed in MND-SE by Team 4 on 13 Jan 06
AVARICE VI	09-Dec-05	Maysan Province	Sarin	122mm Borak	8	8	8	No samples taken	Destroyed in MND-SE by Team 4 on 8 Dec 05
AVARICE V	25-Nov-05	Maysan Province	Sarin	122mm Borak	1	1	1	Rocket deemed empty by weight	Destroyed in MND-SE by British Forces on 26 Nov 05
AVARICE IV	07-Nov-05	Maysan Province	Sarin	122mm Borak	33	33	33	No samples taken	33 rockets destroyed by MND-SE by Team 4 on 7 Nov 05
AVARICE III	07-Oct-05	Maysan Province	Sarin	122mm Borak	11	11	11	4 rockets sampled. 4 samples sent to Edgewood. AOR Sampling 10/10/05	11 rockets destroyed in MND-W by Team 4 on 5 Nov 05
AVARICE II	23-Sep-05	Maysan Province	Sarin	122mm Borak	15	15	15	10 rockets sampled. 10 samples and 1 rocket sent Edgewood. AOR Sampling 25-29 Sep 05	14 destroyed in MND-W by Team 4 on 5 Nov 05
AVARICE I	02-Sep-05	Maysan Province	Sarin	122mm Borak	1	1	1	1 rocket sampled, rocket was sent to Edgewood. Sampled AOR 9/2/05	Not destroyed, sent to ECBC
CAREFUL IV	10-Jan-05	Maysan Province	Sarin	122mm Borak	10	10	10	Assessed with PINS upon recovery	7-Jan-05
CAREFUL III	01-Nov-04	Maysan Province	Sarin	122mm Borak	4	4	4	Sampled in AOR sometime between recovery and destruction	24-Nov-04
CAREFUL II	02-Oct-04	Maysan Province	Sarin	122mm Borak	2	2	2	1 munition sampled in AOR 12 Oct	1 munition 12 Oct 04
CAREFUL I	17-Sep-04	Maysan Province	Sarin/Cyclosarin	122mm Borak	1	1	1	Sampled on 12 October	
IED	15-May-04	Baghdad	Mustard	152mm Arty	1	1	1	Partial detonation as IED, 31 recorded as exposed to low level	
	15-May-04	North of BIAP	Mustard	155mm Arty	10	10	10	Discovered as they were being buried by insurgents	

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