Appendix H Nonconformance Reports

OE Site Identification	CONFORMANCE		Nonconfor	rming Proce	ss		Report No	o. Date
OE Site: MRS-Ranges 43-48	Geo survey		Reacq:		Other		129	2/9/200
rid:	Processing		Clearance:		Scrap pro	cessing		<u> </u>
Part I (To be comple	eted by QC Inspe	actor dete	e e e e e e e e e e e e e e e e e e e	conformanc		Manual (1914)	MORE DA	
scription of Nonconformance: (OQC issued NCR#129 as a rest ipped from the Range 45 pad conge-related debris. The dates of sergetic materials.	ntained commingle	ed materials	s, specificall	ly munitions d	ebris were lo	cated in the L	BXs that were	e only to contain
pparent Cause of Nonconforman								
appears that the sorting process the Range 45 pad by the UXO te	IAW the specific S echnician was not c	OP was no correctly pe	ot effectively erformed.	implemented	. More spec	cifically, it appe	ears that the	re-inspection proc
		Resurvey:		Reacq:		Other:		
ecommended Corrective Action:		eprocess:		Re-clear:		Outer:		
aluated and corrected, specificall itead of being handled individuall bris containers remaining on site	ly the inspection of y. Clarification of t were emptied and	f larger iten the proces: I re-inspect	ns of scrap v s requires ea ted prior to s	which previous ach individual shipment upon	sly was insperience to be	ected in bulk w handled and ir	vhile in an eas	sy dump containei II non-munitions
valuated and corrected, specificall stead of being handled individuall ebris containers remaining on site	ly the inspection of ly. Clarification of to were emptied and their inspection of	f larger iten the proces: I re-inspect	ns of scrap v s requires ea ted prior to s	which previous ach individual shipment upon	sly was insperience to be	ected in bulk w handled and ir	while in an easinspected. All ancy. In add	sy dump container Il non-munitions lition, all appropria
valuated and corrected, specificall stead of being handled individuall steris containers remaining on site ersonnel will immediately increase Signature	ly the inspection of ty. Clarification of the were emptied and the their inspection of the their inspe	f larger iten the process I re-inspect f the proce	ns of scrap v s requires ea ted prior to s	which previous ach individual shipment upon	sly was insperience to be	ected in bulk w handled and ir	while in an easinspected. All ancy. In add	sy dump container Il non-munitions lition, all appropria
valuated and corrected, specificall stead of being handled individuall ebris containers remaining on site ersonnel will immediately increase	ly the inspection of ly. Clarification of the were emptied and the their inspection of the control of the contr	f larger iten the process I re-inspect f the proce	ns of scrap v s requires ea ted prior to s sss and mate	which previous ach individual shipment upon erials.	sly was inspi piece to be n notification	ected in bulk w handled and in of this discrep	while in an easinspected. All ancy. In add	sy dump container Il non-munitions lition, all appropria
valuated and corrected, specificall stead of being handled individuall ebris containers remaining on site ersonnel will immediately increase.  Signature  Part II (To be complete commended Corrective Action:	ly the inspection of ly. Clarification of to were emptied and extheir inspection of the control	f larger iten the process re-inspect f the proce ager) esurvey:	ns of scrap vs requires eated prior to siss and mater	which previous ach individual shipment upon erials.  Reacq:	sly was insprince to be a notification	ected in bulk whandled and in of this discrep  Other:  Revise SO	while in an easinspected. All pancy. In add	sy dump container Il non-munitions lition, all appropria  Date)
	eted by QC Manathe Field. Addition level of materials and the field. Addition level of materials and the field. Addition level of materials and the field.	f larger iten the process re-inspect of the process ager)  essurvey: eprocess: gement revially, any autrials to be	view to imple nd all confus transported	Reacq: Re-clear: ement the pro sion with responsition responsition with responsition	sly was insprince to be a notification	other:  Revise SO sions to more a finitions contail	while in an easinspected. All pancy. In add  2 · [1 · 0]  (I	sy dump contained Il non-munitions Ilition, all appropria  Date)  flect the actual OP need to be
valuated and corrected, specificall stead of being handled individuall ebris containers remaining on site ersonnel will immediately increase.  Signature  Part II (To be completed. This SO ocess that is being undertaken in scussed and resolved. The inspendented and are successfully and the second of the second	eted by QC Manathe Field. Addition level of materials addressing the condition of the condition level of materials.	ager) esurvey: eprocess: gement revally, any arrials to be addition that	view to imple nd all confus transported existed to p	Reacq: Re-clear: ement the prosion with responsion with responsion with any op	sly was insprince to be a notification  cedural revisect to the department of its portunity	other:  Revise SO sions to more a finitions contail	while in an easinspected. All pancy. In add  2 · [1 · 0]  (I	sy dump contained Il non-munitions Ilition, all appropria  Date)  flect the actual OP need to be
raluated and corrected, specificall stead of being handled individuall earls containers remaining on site ersonnel will immediately increase.  Signature  Part II (To be completed. This SO ocess that is being undertaken in scussed and resolved. The inspendented and are successfully an applemented and are successfully an applemented and are successfully applemented and ar	eted by QC Manathe field. Addition level of materials and the field.	ager) esurvey: eprocess: gement revally, any arrials to be addition that	requires eated prior to siss and materials and materials with the siss and materials with the siss and materials with the sisses and the siss	Reacq: Re-clear: ement the pro sion with responsition responsition with responsition	sly was insprince to be a notification  cedural revisect to the department of its portunity	Other: Revise SO sions to more a finitions contail increase to e recurrence.	while in an easinspected. All pancy. In add  2 · 1 9 · 6  (I	sy dump contained in non-munitions lition, all appropriation, all appropriation determined by Date)  flect the actual OP need to be tive measures are
raluated and corrected, specificall stead of being handled individuall abris containers remaining on site ersonnel will immediately increase.  Signature  Part II (To be completed. This SO occess that is being undertaken in scussed and resolved. The inspendented and are successfully a gnature:  (QC Manager)	eted by QC Manathe field. Addition level of materials and the field.	ager) esurvey: eprocess: gement revially, any aurials to be addition that	ris of scrap vis requires eated prior to siss and materials.  View to impleind all confustransported existed to prior to prior to prior to sisse and materials.	Reacq: Re-clear: ement the prosion with responsion with respon	sly was insprince to be a notification  cedural revisect to the department of its portunity	Other: Revise SO sions to more a finitions contail increase to e recurrence.	while in an easinspected. All pancy. In add  2 · [1 · 0]  (I	sy dump contained in non-munitions lition, all appropriation, all appropriation Date)  flect the actual OP need to be tive measures are
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part II (To be completed. This SO occess that is being undertaken in scussed and resolved. The inspendented and are successfully a completed and are successfully a completed and are successfully a completed. The inspendented and are successfully a completed and are successfully a completed and are successfully a completed and are successfully a complete and a complete and a compl	eted by QC Manager P requires a manager the field. Addition level of mate addressing the condition of the condition of the condition of the condition level of mate addressing the condition of t	ager) esurvey: eprocess: gement revially, any aurialis to be addition that  2. (9.04 (Date)	rs of scrap vs requires eated prior to sea and material s	Reacq: Re-clear: ement the pro sion with responsion with responsion with revent any op	cedural revisect to the de UXOQC will portunity of i	Other: Revise SO sions to more a finitions contail increase to e recurrence.  Program (Program (Progra	while in an easinspected. All pancy. In add  2 · 1 9 · 6  (I	sy dump contained in non-munitions lition, all appropriation, all appropriation determined by Date)  flect the actual OP need to be tive measures are (Date)
part II (Corrective Action:  QC Manager)  Part III (Corrective Action:  QC Manager)	eted by QC Manager P requires a manager the field. Addition level of mate addressing the condition of the condition of the condition of the condition level of mate addressing the condition of t	ager) esurvey: eprocess: gement revially, any arrials to be addition that  2 · ( 9 · 0 · 4 ) (Date)  © OE	ris of scrap vis requires eated prior to siss and materials.  View to impleind all confustransported existed to prior to prior to prior to sisse and materials.	Reacq: Re-clear: ement the pro sion with respo off the site by revent any op  unager Comme	cedural revisect to the de UXOQC will portunity of i	Other: Revise SO sions to more a finitions contail increase to e recurrence.  Poly Chogram (Pogram (Po	while in an easinspected. All pancy. In add  2 · 1 9 · 6  (I)  All pancy are a control of the co	sy dump contained in non-munitions lition, all appropriation, all appropriation determined by Date)  flect the actual OP need to be tive measures are

			Nonconfor	ming Proces	s		Report No.	Date
OE Site: MRS-Ranges 43	-48 Geo survey	/	Reacq:		Other		130	2/11/2004
id: C2A0F5 , C2A0F	Processing		Clearance:	<b>V</b>				<b>✓</b>
Part I (To be co	ompleted by QC In:	spector dete	ecting none	conformance				
scription of Nonconformar	nce:							
ne QC seeded program indi id C2A0F5 at 5744982 N, 2	cated that two seede	d items, a 37r	mm @ 12" in	grid C2A0H6	at 5745007	N, 2122723 E a	and a M69 grena	ide @ 12" in
ams 1/27/04 and 1/28/04 re	espectively. UXOQC	along with US	A1 validated	that both of t	hese items	were detectable	utilizing the sam	e analog
cating instrument that was of quirements properly, whose								
	·			•			•	,
pparent Cause of Nonconfo		- Control of Street Control						
nalog locator sweep proces								
•								
- And the second		Resurvey:		Reacq:	100	Other:		<del></del>
and the second s	- <b>4</b> !			· · · · · · · · · · · · · · · · · · ·		Other.	· · · · · · · · · · · · · · · · · · ·	
ecommended Corrective Ac I UXO personnel will be brid		Reprocess:	***	Re-clear:				
Sign	nature:	Ver	<u> </u>	<u> </u>			(Date)	-
Part II (To be c	ompleted by QC M	anager)		er ar ar	erroritani	Tarica de la companya del companya de la companya del companya de la companya de		
	Addition of the Control of the Contr	Resurvey:		Reacg:		Other:		2941   1780   1786
ecommended Corrective Ac	ction:	Reprocess:		Re-clear:				
once the we have obtained o	customer approval for	the QC qualifi	ication SOP		udent in repe	etitive systemic	failures similar to	these that the
nalog sweep process challe	rige the QC quaincat	ion gna.						
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ia:								
ka M								
· · · · · · · · · · · · · · · · · · ·	21 D -							
	Theifu	<u> </u>	Program Ma	nager Comme	nts:			
ignature: Alaj k (QC Manager	Theifu	2•11·04 (Date)		nager Commer	nts: Sau	1 Duffer	itl	2/11/04
/(QC Manager		(Date)	. Sig	gnature: _	San	(Frogran) Mana	H ger)	VII/od (Date)
ppy Delivered to:	Geophysical Manager	(Date)	. Sig	_	San	Diffu (Fogran Mana	HL ger)	, , , , , , ,
opy Delivered to: G	Seophysical Manager	(Date)  OE	. Sig	gnature:	San		H ger)	, , , , , ,
copy Delivered to: G	Seophysical Manager	(Date)	. Sig	gnature: _	San	3.12-04	YL ger)	(Date)
copy Delivered to: GP Part III (Correctorrective Action Was Comp	Seophysical Manager	(Date)  OE	. Sig	gnature:	San	3:72-04 (Date)	iger)	(Date)
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Copy Delivered to: Grant III (Corrective Action Was Comp	Seophysical Manager ctive Action Verific pleted On: nature:	(Date)	Sig	Verified On:	San	3 · /2 · 0 · 4 (Date)	ite: 3//6	(Date)
Copy Delivered to: G  Part III (Correctore Action Was Comp  Sign	Seophysical Manager ctive Action Verificative Action Verification verifications of the control o	(Date)	Sign Sign Manager	Verified On:  Variager)	San	3 · /2 · 0 · 4 (Date) Da	yluger)  ate: 3/16  ate: 3-16-6	, , , , , ,
Copy Delivered to: Grant III (Corrective Action Was Comp	Seophysical Manager ctive Action Verific pleted On: nature: nature: Augustian	(Date)  © OE  ation)  3.11.04  Date)	Sign Sign Sign Sign Sign Sign Sign Sign	Verified On:  Variager)	Suxos	3 · [2 - c · ] (Date) Da		(Date)

PARSONS	NONCO	NFORMANCI	E AND COR	RECTIVE A	CTION REPOR	<b>征</b>		
OE Site Identification			Nonconfor	ming Proc	ess	Repor	t No.	Date
OE Site: MRS-Ranges 43-48	Geo survey		Reacq:		Other	1:	31	4/20/2004
Grid: C2A6E7	Processing		Clearance:	✓				
Part I (UXOQC)		,						
Description of Nonconforming Condi	tion:(1)				13.001			
The QC seeded program indicated detected during the analog removal along with USA 1 and 2 validated the team once the high concentration o	process. The at the item wa	analog remov s detectable u	val team cor	mmenced ar same analog	nd completed to locating instru	heir work efforts on this ument that was used b	s grid 4/12 y the anal	2/04. UXOQC log removal
Apparent Cause of Nonconformanc	e:(2)							
The high density of surface and ne item. It appears that the removal te which would have allowed the detection.	am did not effe	ectively remov	e the small	id and speci er items on t	fically in the ar the surface or i	rea of the QC seeded in the angle of the QC seeded in the angle of the	tem mask analog rer	ed the seeded noval protocol
Signature: John Kith	later	4/20/2004	Corre	ctive Action	Due Date:	5/4/2004		
(QCM)	ı	(Date)	Serve	erity Level	2		_	
Copy Delivered to: Geographysi	cal Manager	,,,,,	FОМ		cos ,	OPM ' /		
Signature:	J	1/2404	Signa	ture:	Dar	M Buffut	\	4/20/04
(FOM)		(Date)			(PM)	/		(Date)
Part II (OPERATIONS)								
Recommended Corrective Action:(3)		Resurvey:		Reacq:		Other:		
		Reprocess:		Re-clear:				
Root Cause Analysis ( only for serv	erity level 1) :	(4)						
ignature:(FOM)	- 1	(Date)	y	<u>Lan</u>	1 buff	# 4/20 (Date)	<u> o</u> y	
Part III (Corrective A	41/	(4)				A STATE	···	· · ·
Corrective Action Was Completed O	n: 7/20/0	(Date)		Signature:	Mel	6/5/	(FOM)	
				Signature:	Dan	1 touffel	(PM)	
Corrective Action Was Verified On:	4.20.0	) 4 (Date)		Signature:	No	Kithlin	·· (QCM	)
loseout Comments: (6)	<u> </u>				<del>- /</del>	1	,	•
Corrective action	verified	during	mor nino	Team	· Leade	r meeting at	tendan i	ce.
Approved Disapproved		NCR number:_		Signature:	Andre.	1/21204	<u>~ (Q</u> СМ)	)
lote 1: When all actions have been					•	•		
Note 2: When all actions have been	completed a	copy of this fo	orm shall be	provided to	the CESPK Pro	oject Manager		

PARSONS			N4	- <b>-</b> -			<b>5</b>	
OE Site Identification  MRS-Ranges 43-48			Nonconforn				Report No.	
DE Site:	Geo survey		Reacq:		Other	,	132	5/10/2004
Srid:	Processing		Clearance:	<u> </u>				
Part I (UXOQC)								
Description of Nonconforming Cond								
The QC seeded program indicated to successfully detected during the ana and 2 validated that the item was det	log removal proces	ss. The	analog removal to	eam comple	eted their work	k efforts on this	grid 5/4/04. L	
Apparent Cause of Nonconformand	e:(2)							
The high density of surface and neal located next to may have created this process for removal to depth operation	nonconforming co					effectively opera	ate IAW the SS	
Signature: Any 18th	fr 5	5/11/200	Correc	tive Action	Due Date:	5/24	/2004	
(QĆM)	(	(Date)	Server	ity Level	2	_		
Copy Delivered to:	Manager	(	● FOM		os	Q PM 🖍		-11/
Signature: Work Of	0/2	5/11/200	4 Signatu	ure:	- Dan	1 Buller	th	5/11/04
(FOM)		(Date)			(PM)	(1)		(Date)
Part II (OPERATIONS)							10.4	
								***
ecommended Corrective Action:(3	) Re	esurvey	: 🖺	Reacq:		Other:		
Recommended Corrective Action:(3 Surface clutter masked seeded item of anomalies. This grid is scheduled	Refrom team. Teams	eproces s were b	s: I	Re-clear:	clutter is remo	oved as necess		
Surface clutter masked seeded item	from team. Teams to be geophysical	eproces s were b ly survey	s: I	Re-clear:	clutter is remo	oved as necess		
Surface clutter masked seeded item of anomalies. This grid is scheduled investigated.	from team. Teams to be geophysicall rerity level 1): (4)	s were b ly survey	s: In riefed to ensure the red IAW SSWP to	Re-clear:	clutter is remo	oved as necess		
Surface clutter masked seeded item of anomalies. This grid is scheduled investigated.	from team. Teams to be geophysicall rerity level 1): (4)	s were b ly survey	s: In riefed to ensure to yed IAW SSWP to	Re-clear: hat surface to map and a	clutter is remo	oved as necess	S/n/of-	
Surface clutter masked seeded item of anomalies. This grid is scheduled investigated.	from team. Teams to be geophysicall rerity level 1): (4)	eproces s were b ly survey (Date)	riefed to ensure to yed IAW SSWP to the important of the	Re-clear: hat surface to map and e	clutter is remo	oved as necess	detected anom	nalies will be
Surface clutter masked seeded item of anomalies. This grid is scheduled nivestigated.  Soot Cause Analysis (only for service)  ignature:  (FOM)  Part III (Corrective Addressed on the corrective Action Was Completed Corrective Action Was	from team. Teams to be geophysicall rerity level 1): (4)	eproces s were b ly survey (Date)	riefed to ensure to yed IAW SSWP to the important of the	Re-clear: hat surface to map and a	clutter is remo	oved as necess	detected anom	FOM)
Surface clutter masked seeded item of anomalies. This grid is scheduled investigated.  Soot Cause Analysis ( only for service of the content	from team. Teams to be geophysicall verity level 1): (4)	s were bily survey  (Date)  (Date)	riefed to ensure to yed IAW SSWP to the important of the	Re-clear: hat surface to map and e	clutter is remo	oved as necess	detected anom	FOM)
Surface clutter masked seeded item of anomalies. This grid is scheduled investigated.  Soot Cause Analysis ( only for service (FOM)  Part III (Corrective Adviced Corrective Action Was Completed Corrective Action Was Verified On:	from team. Teams to be geophysicall verity level 1): (4)  recitor Verification: 5/5/2004  the validation proceadditionally, each of the validation procead the validation procead to the validation proc	S/// (Date) on):(5) (Date ess of the	e) se missed seedecember validated th	Re-clear: hat surface to map and a surface to map and a surface.  Signature: Signature:	clutter is removed the same removed the	by das necessal of MEC. All	S/II/OF (Date)  (Controlled the team	=OM) PM) QCM)
gnature:  (FOM)  Part III (Corrective Action Was Verified On: oseout Comments: (6)  corrective action was verified during eparately and then the entire team.	from team. Teams to be geophysicall verity level 1): (4)  recitor Verification: 5/5/2004  the validation proceadditionally, each of the validation procead the validation procead to the validation proc	(Date) (Date) (Date) (Date) (Date)	e)  e missed seedecember validated the seed of the see	Re-clear: hat surface to map and a surface to map and a surface.  Signature: Signature:	clutter is removed the same removed the	by das necessal of MEC. All	detected anom	=OM) PM) QCM)

OE Site Identification			Nonconforn	ning Proce	ss		Report No.	Date
OE Site: MRS-Ranges 43-48	Geo survey	<b>S</b>	Reacg:		Other		133	8/23/2004
Grid: B2J8H2	Processing	WE .	Clearance:	<u> </u>	301			
Part I (UXQSG)	And the second second	4.4			and the second			
Description of Nonconforming Cond	lition:(1)							
The QC seeded program indicated not successfully detected during th USA 1 and 2 validated that the iten	e analog remova	process	<ul> <li>The analog re</li> </ul>	moval team	completed	their work effo	rts on this arid 8/1	18/04 UXOOC
Apparent Cause of Nonconformand	:e:(2)			****				
It appears that the analog removal	team did not effe	ctively op	perate IAW the S	SSWP swee	p process fo	r analog remo	val to depth opera	ations.
Signature: Addens Kth	leiter	8/23/200	4 Correc	tive Action I	Due Date:	8/31/	/2004	
(QCM)		(Date)	Server	ity Level	2			
Copy Delivered to: Geophys	ical Manager	(	FOM	OSUX	os	- ○ PM	. (	
Signature:		8/23/200	-	_	Law	Bull	Hl	8/23/200
(FOM)		(Date)			(FM)	00		(Date)
Part II (OPERATIONS)		100 S.						
		esurvey:	: U	Reacq:		Other:		
	) R	eprocess	s: I	Re-clear:	etection of a	See Comme	s arid is schedule	d to be
Recommended Corrective Action:(3 Teams were briefed to ensure that geophysically surveyed IAW SSWF	appropriate proce to map and ens	eprocess edures ar ure remo	s: I	Re-clear:	etection of a nomalies will	See Comme	s arid is schedule	d to be
Recommended Corrective Action:(3 Teams were briefed to ensure that geophysically surveyed IAW SSWF Root Cause Analysis ( only for servential actions)	appropriate proce to map and ens	eprocess edures ar ure remo	s:	Re-clear: ow proper d detected ar	etection of a nomalies will	See Comme	s grid is schedule ed.	d to be
Recommended Corrective Action:(3  Teams were briefed to ensure that geophysically surveyed IAW SSWF  Root Cause Analysis ( only for servent)  Signature:	appropriate proces to map and ensign	eprocessedures arure remo	s:	Re-clear:	etection of a nomalies will	See Comme	s arid is schedule	d to be
Recommended Corrective Action:(3  Teams were briefed to ensure that geophysically surveyed IAW SSWF  Root Cause Analysis ( only for servent)  Signature:  (FOM)  Part III (Corrective Action:(3	appropriate procedute to map and ensity level 1): (4	eprocess edures ar ure remo	s:	Re-clear: ow proper d detected ar	etection of a nomalies will	See Comme	s grid is schedule ed.  (Date)	
Recommended Corrective Action:(3  Teams were briefed to ensure that geophysically surveyed IAW SSWF  Root Cause Analysis ( only for servent)  Signature:  (FOM)  Part III (Corrective Action:(3	appropriate procedute to map and ensity level 1): (4	eprocessedures arure remo	s:	Re-clear: ow proper d detected ar	etection of a nomalies will	See Comme	s grid is schedule ed.	
Recommended Corrective Action:(3  Teams were briefed to ensure that geophysically surveyed IAW SSWF  Root Cause Analysis ( only for servent)  Signature:  (FOM)	appropriate procedute to map and ensity level 1): (4	eprocess edures ar ure remo	e followed to all oval of MEC. All	Re-clear: ow proper d detected ar	etection of a nomalies will  Augustian Augusti	See Comme	s grid is schedule ed.  (Date)	<b>n</b> )
Recommended Corrective Action:(3  Teams were briefed to ensure that geophysically surveyed IAW SSWF  Root Cause Analysis ( only for serve (FOM)  Part III (Corrective Action Was Completed Corrective Action Was Verified On:	appropriate procedute to map and ensity level 1): (4  Action Verification: 8/23/2004	eprocess edures ar ure remo ) (Date) (Date) (Date)	e followed to all oval of MEC. All	Re-clear: ow proper d detected ar  (PM) Signature:	etection of a nomalies will  Augustian Augusti	See Comme	8/23/04 (Date)  (FON	<b>n</b> )

PAREONS	NOT HO	POPMAI	VEE AND COR	RECTIVEA	CTION RES	T.A.	7.44.7	
OE Site Identification			Nonconfo	rming Proc	ess		Report No.	Date
Site: MRS-Ranges 43-48	Geo survey		Reacq:	\$\frac{1}{2}\text{2}	Othe	r	134	9/1/2004
id: B2J7A4	Processing	7-1	Clearance:	V				
Part I (UKGQC)					40			
scription of Nonconforming Cor he QC seeded program indicate								
successfully detected during the a I and 2 validated that the item wa	analog removal p as detectable utili	rocess. Ti zing the sa	he analog rem ame analog loo	oval team ocating instrui	completed the ment that was	ir work efforts or used by the and	this grid 8/30/04 alog removal tean	. UXOQC, USA n.
parent Cause of Nonconformar	nce:(2)							
appears that the analog remova	, ,	fectively or	perate IAW the	SSWP swe	ep process fo	or analog remova	al to depth operat	ions.
nature:	vsical Manager	9/1/200 (Date) 9/1/200	Serv	ective Action erity Level SU	Due Date:	9/16/2 - PM Buffix	004 L	9/1/04
(FOM)		(Date)			(PM)	ען י		(Date)
Part II (OPERATION	s)							
commended Corrective Action:	(3)	Resurvey	:	Reacq:		Other:		
		Reproces	s:	Re-clear:		See commen	ts	
oot Cause Analysis ( only for se	erverity level 1) :	(4)						
ignature:(FOM)	AL	(Date)	<u> </u>	Lary (PM)	/auffi	fly	9 / 1 / 0 <del>/</del> (Date)	
Part III (Corrective				<u>Rene ikan A</u>		1/1/1		
prrective Action Was Completed	On: 9.7.2	) <del>   </del> (Dat	<u>te)</u>	Signature:	1/1	CAN	(FOM	)
				Signature:	Lau	1 Buffi	KL (PM)	
orrective Action Was Verified O	n. a.l.n	니 (Dat	e)	Signature:	11.	1/110	oi LIQCM	۸
oseout Comments: (6)	<u>-1 1-0</u>	1 (154)	<del>-/</del>		700	1 /01/0		7
OSCOUL CONTINUES. (0)					•		•	
Approved Disapproved	l New 1	VCR numbe	ər:	_Signature:	Anda	, Kop	On (QCM	)
ote 1: When all actions have be	en completed a	copy of thi	s form shall be	e attached to	the Grid Fina	al Qd Report For	m /	
ote 2: When all actions have be	en completed a	copy of thi	s form shall be	e provided to	the CESPK F	Project Manager	ı	

PARSONS	NONCON	FORMAN	CE AND CO	RECTIVEA	CTION REPO	π :		
OE Site Identification			Nonconfo	rming Proc	<b>0</b> 88		Report No.	Date
OE Site: MRS-Ranges 43-48	Geo survey		Reacq:	ī ij	Other		141	9/29/2004
Grid: C2A9F2	Processing		Clearance:	:+!r	Backhoe ex	xcavation		
Part I (UXOQC)						2 1,000		
Description of Nonconforming Con	dition:(1)							
While conducting a QC inspection 5743656E at the base of the sifted		unique_id	C2A9F2_d80	997 a MKII (	TBD) hand gr	enade was loca	ated on the surfac	e @ 2122589N,
Apparent Cause of Nonconforman	` '							
copy bom drop to	inzaneeta root bal	9/29/2004 (Date)	Corr Serv	ective Action rerity Level	oil piles. As a		ld appear that the	
Signature: (501)			- Sign	ature:	/ <del>C</del>	my sak	Jut C	
(FOM)		(Date)		war was an in the	(PM)	, V		(Date)
Part II (OPERATIONS	<u> </u>		- 11-					
Recommended Corrective Action:(	3) [F	Resurvey:		Reacq:		Other:		
Root Cause Analysis ( only for se	rverity level 1) : (4	4)						
Signature:	Ja 10,	/14/04	·	_ba	y Bull	th	10/20/04	
(FOM)		(Date)		(PM)	1 00		(Date)	
Part III (Corrective	Action Verifica	tion):(5)	:					
Corrective Action Was Completed	On: 10/14/2004	4 (Date	e)	Signature:	_xl	16%	(FON	0
				Signature:	San	y Buff	fli (PM)	
Corrective Action Was Verified O	n: 10/18/2004	4 (Date	<del>=</del> )	Signature:	Indicas	Kithle	the lack	1)
Closeout Comments: (6)			-					
The QC re-inspection of this back	hoe excavtion site	e verified t	hat corective	action had b	een implelem	ented.		
Approved Disapproved	New N	CR numbe	er:	Signature:	Andres	Kth	loiter (OC)	
Note 1: When all actions have be	en completed a c	opy of this	s form shall b	e attached to	the Grid Fina	al QC Report F	orm	
Note 2: When all actions have be	en completed a c	opy of this	s form shall b	e provided to	the CESPK I	Project Manage	er	

PARSONS	NONCON	FORMANC	CE AND CORE	RECTIVE ACTION	ON REPOR	RT		
OE Site Identification			Nonconfor	ming Process	s		Report No.	Date
OE Site: MRS-Ranges 43-48	Geo survey		Reacq:		Other	•	142	10/20/2004
Grid: C2B7D7	Processing		Clearance:	✓				
Part I (UXOQC)					10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Description of Nonconforming Condit	tion:(1)							
The QC3 inspection results indicated during the removal process. The andetected this anomaly utilizing the section 2.59 mV response from the EM61-M	nalog removal to same instrument	o depth was t that was u	s completed 1/ utilized by the a	/5/04 and the di analog removal	ligital excar	vtion was com	pleted on 8/26	6/04. UXOQC
Apparent Cause of Nonconformance	e:(2)							
It would appear that the analog remo		ot effective	lv remove this	anomaly as a	result of h	uman error. S	ince this anom	naly was below the
3mV selection criteria threshold it was	as not assigned	for digital e	excavation.	•				(a.,)
Signature: Add Kot	h lest ne		10/20/2004	Corrective A	Action Due	e Date:	12/16/2004	
(QCM)	1/-		(Date)	Severity Le		2		
	eal Manager 📵	FOM	SUXOS	•	,	1- 1	20	
Signature:	Sa		10/20/2004	_	Dar	y Duffy	ith	10/20/2004
(FOM)			(Date)	019.14.2.		(PM)		(Date)
Part II (OPERATIONS)		MILITARY TO THE PARTY OF THE PA	()		<del> </del>	(*)		()
Recommended Corrective Action:(3)	F	Resurvey:		Reacq:		Other:	1	
1000111011000 0011001110 1101101111101	· -	Reprocess:		Re-clear:	<b>V</b>	Analog re-sv	ween	
assigned and keep database stream  Root Cause Analysis ( only for seve		)						
Signature:	J.		10/28/2004	Signature:	ba	ny Day	Guth	10/28/2004
(FOM)			(Date)			(PM) U	$\nu$	(Date)
Part III (Corrective A	ction Verificat	ilon):(5)				1 1	110	
Corrective Action Was Completed Or	n:	11/2/2004	_	Signature:	N/	as (	5 /20	(FOM)
	(1	(Date)		Signature:	<u></u>	ly Br	fithe	(PM)
Corrective Action Was Verified On:	1′	1/15/2004		Signature:	11/10	ar VH	hlath	えへ (QCM)
Closeout Comments: (6)		(Date)	-			3)	-	,
A successful second QC-3 inspection database.	`	<u> </u>	rid 11/15/04.	The QC status	of this grid	d has now bee	n updated to p	ass in the Project
✓ Approved ☐ Disapproved  Note 1: When all actions have been		CR number:		Signature:	Jude 500	ers K	Hl Oc	(QCM)

OE Site Identification			Noncontor	ming Process	3		Report No.	Date
ESite: MRS-Ranges 43-48	Geo survey		Reacq:	<b>38</b>	Other		143	10/26/2004
id: <sup>B2J8H7</sup>	Processing	33	Clearance:	<b>V</b>				
Part I (UXOGG)					***	1		(4)
scription of Nonconforming Cor	ndition:(1)							
The QC seeded program indicate uring the analog removal proces alidated that the item was detec	ss. The analog ren	noval tean	n completed th	neir work efforts	on 10/20/	04. UXOQC	with the UXO Tea	m Leader
oparent Cause of Nonconformat	nce:(2)					<u> </u>		
his grid's operation records indic	cate that the team	removed a	approximately	830 lbs. of met	allic mater	ial, documen	ted 68 Items_Dug	and expended 86
eam hours in this grid. The rese ocated in the sub-surface which	arch results of thes	se grid op	eration records	s would indicate	that there	was a high	density of ferrous	metal objects
A .		ica io inc	unsuccessian	detection of the	illert QO	seeded item.		
Signature:	Heta	1	10/26/2004	Corrective	Action Due	e Date:	TBI	)
(QCM)	+		(Date)	- Severity Le	evel	2		
Copy Delivered to: Geography	vetcal Manager,	FOM	SUXOS	=			-	
Signature:	STE		10/26/2004	•	,	Day 1	Juli Pla	10/26/200
(FOM)			(Date)		<u>^</u>	(PM)	<del>- ////</del>	(Date)
	CLASS ON THE WAY SO THE STATE OF	Programme and the second						
Part II (OPERATION	8)							
Part II (OPERATION commended Corrective Action:		Resurvey:		Reacg:		Other:		
ecommended Corrective Action: Clutter may have masked seeded anomalies. This grid is scheduled nivestigated.	(3) R	Resurvey: Reprocess Teams we	s:	Reacq: Re-clear: ensure that clutton map and er	ter is remo	ved as neces	ssary to allow prop	er detection of nalies will be
ecommended Corrective Action: Clutter may have masked seeded nomalies. This grid is scheduled nvestigated.	(3) R R d item from team. d to be geophysica	Reprocess Teams we	s:	Re-clear:	ter is remo	ved as neces	ssary to allow prop	er detection of nalies will be
commended Corrective Action: clutter may have masked seeded nomalies. This grid is scheduled exestigated.	(3) R R d item from team. d to be geophysica	Reprocess Teams we	ere briefed to e red IAW SSWF	Re-clear: ensure that clutton to map and er	nsure remo	ved as neces	ssary to allow prop	nalies will be
lutter may have masked seeded normalies. This grid is scheduled vestigated.  ot Cause Analysis ( only for see	(3) R R d item from team. d to be geophysica	Reprocess Teams we	ere briefed to e red IAW SSWF	Re-clear: ensure that clutton to map and er	ter is remo	ved as neces	ssary to allow prop	10/28/20
Clutter may have masked seeded nomalies. This grid is scheduled exestigated.  Signature: (FOM)	d item from team. d to be geophysical	Reprocess Teams we ally survey	ere briefed to e red IAW SSWF	Re-clear: ensure that clutton to map and er	nsure remo	ved as neces	ssary to allow prop	nalies will be
Clutter may have masked seeded nomalies. This grid is scheduled novestigated.  Signature:  (FOM)  Part III (Corrective	d item from team. d to be geophysical everity level 1): (4)	Reprocess Teams we ally survey	ere briefed to e red IAW SSWF	Re-clear: ensure that clutted to map and er	nsure remo	ved as neces	ssary to allow prop	10/28/20 (Date)
Elutter may have masked seeded nomalies. This grid is scheduled novestigated.  Signature:  (FOM)  Part III (Corrective	d item from team. d to be geophysical everity level 1): (4)  Action Verificat	Reprocess Teams we ally survey	ere briefed to e red IAW SSWF	Re-clear: ensure that clutton to map and er	nsure remo	ved as neces	ssary to allow prop	10/28/20
Clutter may have masked seeded nomalies. This grid is scheduled novestigated.  Signature:  (FOM)  Part III (Corrective	d item from team. d to be geophysical everity level 1): (4)  Action Verificat	Reprocess Teams we ally survey	ere briefed to e red IAW SSWF	Re-clear: ensure that clutted to map and er  Signature:	nsure remo	ved as neces	ssary to allow prop	10/28/200 (Date)
Clutter may have masked seeded nomalies. This grid is scheduled novestigated.  Signature:  (FOM)  Part III (Corrective	d item from team. d to be geophysical everity level 1): (4)  Action Verificat	Reprocess Teams we ally survey	ere briefed to e red IAW SSWF	Re-clear: ensure that clutted to map and er	nsure remo	ved as neces	ssary to allow prop	10/28/200 (Date)
Clutter may have masked seeded nomalies. This grid is scheduled novestigated.  Signature:  (FOM)  Part III (Corrective or rective Action Was Completed)	d item from team. d to be geophysical everity level 1): (4)  Action Verificat On:	Reprocess Teams we ally survey	ere briefed to e red IAW SSWF	Re-clear: ensure that clutted to map and er  Signature: Signature:	nsure remo	ved as neces	ssary to allow prop	10/28/200 (Date) (FOM)
Clutter may have masked seeded normalies. This grid is scheduled novestigated.  Signature:  (FOM)  Part III (Corrective Action Was Completed or rective Action Was Verified Of the complete of the corrective Action Was Verified Of the Corrective Action Was Verif	d item from team. d to be geophysical everity level 1): (4)  Action Verificat  On:	Reprocess Teams we ally survey	ere briefed to e red IAW SSWF	Re-clear: ensure that clutted to map and er  Signature:	nsure remo	ved as neces	ssary to allow prop	10/28/200 (Date)
Clutter may have masked seeded nomalies. This grid is scheduled novestigated.  Signature:  (FOM)  Part III (Corrective	d item from team. d to be geophysical everity level 1): (4)  Action Verificat On:	Reprocess Teams we ally survey  (1)  (2) (4) (4) (5) (4) (4) (4) (4) (4) (5) (6) (6) (7) (7) (7) (8) (8) (8) (8) (8) (8) (8) (8) (8) (8	ere briefed to e red IAW SSWF	Re-clear: ensure that clutted to map and er  Signature: Signature: Signature:	San Dan Dan Dan Dan Dan Dan Dan Dan Dan D	ved as necesoval of MEC.	Sary to allow prop All detected anor	10/28/20 (Date)  (FOM) (PM)

OE Site Identification			A STATE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS	ECTIVEACT	Actor and Control of the Con-	And the last transport	and the second second	and a state of the same of the	
			Nonconform	ning Proces	ss		Report No.		Date
DE Site: MRS-Ranges 43-48	Geo survey		Reacq:	<b>✓</b>	Other		144	10	0/28/2004
Grid: B2H8J4	Processing		Clearance:						
Part I (UXOQC)							N	181	
Description of Nonconforming Condit	tion:(1)								
A QC geophysical field audit of the reacquired. The QC field investigati anomaly was successfully reacquire	tion identified that	the anoma	aly's location	was not mark	ed with a fla	ag. The rea	cquisition data ir	ndicated tha	
Apparent Cause of Nonconformance									
It appears that the recording of the a was not placed at the anomaly's loc  Signature:		nal data us	11/3/2004 (Date)		e Action Due		11/17/2004	n error and	l a flag
Copy Delivered to:   Geographysic	tiel Honoger (a)	FOM	(Date)  SUXOS	,	.evei		-		
	Cal Manager (	10	11/3/2004		ba.	· Bi	11		11/3/200
Signature: (FOM)				Signature:	- Kun	1 /04	fura		
			(Date)	- Paris de la companya della company		·(rw) V			(Date)
Part II (OPERATIONS)		****			<b>V</b>	T Otho		Number to the American Control	
Recommended Corrective Action:(3)	· –	esurvey:		Reacq: Re-clear:	<u></u>	Othe	<u></u>		
Root Cause Analysis ( only for seve	erity level 1) : (4)								
	erity level 1) : (4)		11/3/2004	Signature:	: <b>\Delta</b>	Mu /2	w.k.		11/3/200
Root Cause Analysis ( only for seve	erity level 1) : (4)		11/3/2004 (Date)	Signature	: <b>\1</b>	y/2	wjski		11/3/200 (Date)
Signature:	Ta-	on):(5)		Signature	: <b>\D</b> 1	14 /2 (PM)	ny joka		
Signature: (FOM)	Action Verification	on):(5) /28/2004		Signature:		14 /2 (PM)	ny faka		
Signature: (FOM)  Part III (Corrective A	Action Verification: 10/					My /2 (PM)	my oka		(Date)
Signature: (FOM)  Part III (Corrective A	Action Verification: 10/	/28/2004				y R (PM)	jethe		(Date)
Signature: (FOM)  Part III (Corrective A	Action Verification: 10/	/28/2004		Signature:		My /2 (PM)	jethe Julita		(Date)
Signature: (FOM)  Part III (Corrective A  Corrective Action Was Completed O	Action Verification: 10/	/28/2004 Date)		Signature:		y R (PM)	jethe Juleta		(PM)

		01411741	CEAIND CORN	ECTIVE ACT	ION REPOR	<b>\</b>		
OE Site Identification			Nonconform	ning Proces	5 S		Report No.	Date
OE Site: MRS-Ranges 43-48	Geo survey		Reacq:		Other		145	11/29/2004
Grid: B2I9J1	Processing		Clearance:	<b>~</b>		_		
Part I (UXOQC)								
escription of Nonconforming Condit	ion:(1)							
The QC seed program indicated tha removal process. The inert QC seed their work efforts on 11/9/04. UXOC was used by the analog removal tea	ded item was loo IC, USA 1 and 2	cated in a	in "analog remo	val area (AR	A)" in betwe	en trees. The	e analog removal t	eam completed
Apparent Cause of Nonconformance	9:(2)							
It appears that the vegetation within	• •	addition	al remaining an	omaly which	was remove	d during the	verification proces	s contributed to
Signature: (QCM)  Copy Delivered to: Geophysic	al Manager	FOM	11/29/2004 (Date)	Corrective Severity I	e Action Due	Date:	12/30/2004	-
Signature:	//		11/29/2004	Signature	: Jan	1 /Ou	Julla	11/29/200
(FOM)			(Date)			(PM)	V	(Date)
Part II (OPERATIONS)								
decommended Corrective Action:(3)	R	esurvey:		Reacq:	• 🗆	Other:		
	R	eprocess	s: 🗆	Re-clear:				
these areas in addition to their norm	al team leader c	hecks co	inducted behind	I the teams d	luring analog	removal. T	he FOM and SUX	OS 1 will conduct
these areas in addition to their norm a check in tree areas this team work scheduled for digital survey IAW Ra	al team leader c ted for the month nges 43-48 SSV	hecks co	enducted behind and ensure that	I the teams d adequate re	luring analog moval was d	removal. Tompleted.	he FOM and SUXO The remainder of t	OS 1 will conduct his grid is
these areas in addition to their norm a check in tree areas this team work scheduled for digital survey IAW Ra	al team leader c ted for the month nges 43-48 SSV	hecks co	enducted behind and ensure that	I the teams d adequate re	luring analog moval was o MEC. All de	removal. Tompleted.	he FOM and SUXO The remainder of t	OS 1 will conduct his grid is
hese areas in addition to their norm a check in tree areas this team work scheduled for digital survey IAW Ra  coot Cause Analysis ( only for sever	al team leader c ted for the month nges 43-48 SSV	hecks co	enducted behind and ensure that	I the teams d adequate re emoval of all	luring analog moval was o MEC. All de	removal. Tompleted.	he FOM and SUXO The remainder of t	OS 1 will conduct his grid is
these areas in addition to their norm a check in tree areas this team work scheduled for digital survey IAW Radoot Cause Analysis (only for several Signature:	al team leader of the month of	hecks co n of Nov a VP to ma	enducted behind and ensure that p and ensure re	I the teams d adequate re emoval of all	luring analog moval was o MEC. All de	g removal. Tompleted.	he FOM and SUXO The remainder of t	OS 1 will conduct his grid is stigated.
these areas in addition to their norm a check in tree areas this team work scheduled for digital survey IAW Ra  toot Cause Analysis ( only for sever  Signature:  (FOM)  Part III (Corrective Ac	al team leader of the for the month of the m	hecks co n of Nov a VP to ma	(Date)	I the teams d adequate re emoval of all	luring analog moval was o MEC. All de	g removal. Tompleted.	he FOM and SUXO The remainder of t	OS 1 will conduct his grid is stigated.
these areas in addition to their norm a check in tree areas this team work scheduled for digital survey IAW Ra boot Cause Analysis (only for sever	al team leader of the month of	hecks co n of Nov a VP to ma	(Date)	I the teams de adequate re emoval of all	luring analog moval was o MEC. All de	g removal. Tompleted.	he FOM and SUXO The remainder of t	OS 1 will conduct his grid is stigated.
these areas in addition to their norm a check in tree areas this team work scheduled for digital survey IAW Ra  oot Cause Analysis ( only for sever  Signature:  (FOM)  Part III (Corrective Ac	al team leader of the month of	hecks con of Nov a VP to ma	(Date)	I the teams de adequate re emoval of all	luring analog moval was o MEC. All de	g removal. Tompleted.	he FOM and SUXO The remainder of t	OS 1 will conduct his grid is stigated.
chese areas in addition to their norm a check in tree areas this team work scheduled for digital survey IAW Ra  coot Cause Analysis ( only for sever  (FOM)  Part III (Corrective Action Was Completed Or	al team leader of cled for the month nges 43-48 SSV rity level 1) : (4)	hecks con of Nov a VP to ma	(Date)	Signature Signature	iuring analog moval was o MEC. All de	g removal. Tompleted.	he FOM and SUXO The remainder of t	DS 1 will conduct his grid is stigated.  (Date)  (FOM)  (PM)
these areas in addition to their normal check in tree areas this team work scheduled for digital survey IAW Radioot Cause Analysis (only for several (FOM)  Part III (Corrective Action Was Completed On: Corrective Action Was Verified On:	al team leader of ded for the month nges 43-48 SSV rity level 1) : (4)  ction Verification: 12	hecks con of Nov a VP to ma    On):(5)	(Date)	Signature	iuring analog moval was o MEC. All de	g removal. Tompleted.	he FOM and SUXO The remainder of t	OS 1 will conduct his grid is stigated.  (Date)
(FOM)	al team leader of ded for the month nges 43-48 SSV rity level 1) : (4)  ction Verification: 12	hecks con of Nov a VP to ma VP to ma VP to ma	(Date)	Signature Signature	iuring analog moval was o MEC. All de	g removal. Tompleted.	he FOM and SUXO The remainder of t	DS 1 will conduct his grid is stigated.  (Date)  (FOM)  (PM)
these areas in addition to their normal check in tree areas this team work scheduled for digital survey IAW Radioot Cause Analysis (only for several (FOM)  Part III (Corrective Action Was Completed On: Corrective Action Was Verified On: Corrective Action Was Verified On: Corrective Action Was Verified On:	al team leader of cled for the month nges 43-48 SSV rity level 1) : (4)  ction Verification: 12  (C)  New NO	on):(5) //20/2004 Date)	(Date)	Signature Signature Signature	iuring analog moval was o MEC. All de	removal. Tompleted.	The FOM and SUXON The remainder of the smalles will be investigated.	DS 1 will conduct his grid is stigated.  (Date)  (FOM)

OE Site Identification	1							T
				ming Process		Rep	ort No.	Date
OE Site: MRS-Ranges 43-48	Geo survey		Reacq:		Other		146	11/29/2004
Grid: B2J8H0	Processing	8	Clearance:	<u> </u>			manustrice of the state of the	
Part I (UXOGC)			Land Control	78.6	Mark 1	<u> </u>	21	
Description of Nonconforming Con The QC seed program indicated the								
removal process. The analog rem utilizing the same model type of lo	noval team comple	eted their v	work efforts on	11/15/04. UXC	DQC, USA 1	and 2 validated th	nat the item v	was detectable
Apparent Cause of Nonconforman	200:(2)					MALAU		
Apparent Cause of Nonconforman This grid's operation records indic		romoved	vimately /	415 lhe of mets	-llio material	···bish would indic	-to a bigh de	
metal objects located in the sub-sismall metallic anomalies surround QC seed item.	surface. In addition	n, the verif	fication of this of	condition also ir	ndicated that	there were a large	e amount of	near surface.
Signature:			11/29/2004	Corrective /	Action Due D	ate:	TBD	
(QCM)			(Date)	Severity Lev				-
Copy Delivered to: O Geophy	/sical Manager	FOM	SUXOS	-			` 1	
Signature:	18881	~	11/29/2004	Signature:	A	ry Duff	All	11/29/200
(FOM)	·		(Date)	<u> </u>	(F	PM)		(Date)
Part II (OPERATIONS	Š.							
Recommended Corrective Action:(		esurvey:		Reacq:		Other:		
	`	eprocess	F	Re-clear:	133	-		
Teams were briefed to ensure that geophysically surveyed IAW SSW							is scheduled	to be
	VP to map and ens	sure remov					s scheduled	to be
geophysically surveyed IAW SSW	VP to map and ens	sure remov					s scheduled	12/13/200
geophysically surveyed IAW SSW  Root Cause Analysis ( only for sex	VP to map and ens	sure remov	val of MEC. All	I detected anon	malies will be		s scheduled	
geophysically surveyed IAW SSW  Root Cause Analysis ( only for sex	VP to map and ens	sure remov	12/13/2004	I detected anon	malies will be	investigated.	s scheduled	12/13/200
Root Cause Analysis ( only for sex	VP to map and ens verity level 1): (4)  Action Verificati	sure remov	12/13/2004 (Date)	I detected anon	malies will be	investigated.	s scheduled	12/13/200
Root Cause Analysis ( only for sex Signature: (FOM)	verity level 1) : (4)  Action Verification: 3	lon):(5)	12/13/2004 (Date)	I detected anon	malies will be	investigated.	s scheduled	12/13/200 (Date)
Root Cause Analysis ( only for sex Signature: (FOM)	verity level 1) : (4)  Action Verification: 3	ion):(5)	12/13/2004 (Date)	I detected anon	malies will be	investigated.	s scheduled	12/13/200 (Date)
Root Cause Analysis ( only for sex Signature: (FOM)	verity level 1) : (4)  Action Verification: 3	ion):(5)	12/13/2004 (Date)	Signature:	malies will be	investigated.	s scheduled	12/13/200 (Date) (FOM)
Root Cause Analysis ( only for sex Signature: (FOM)	verity level 1) : (4)  Action Verification:  On:  3	ion):(5)	12/13/2004 (Date)	Signature:	malies will be	investigated.	s scheduled	12/13/200 (Date) (FOM)
Root Cause Analysis (only for sex  Signature:  (FOM)  Part III (Corrective  Corrective Action Was Completed	verity level 1) : (4)  Action Verification:  (C)	lon):(5) 3/22/2005 Date)	12/13/2004 (Date)	Signature: Signature: Signature:	malies will be	investigated.	s scheduled	12/13/200 (Date) (FOM) (PM)
Root Cause Analysis (only for sex  Signature: (FOM)  Part III (Corrective  Corrective Action Was Completed on	VP to map and ens  verity level 1): (4)  Action Verification: 4  (E  NCR, #154, was in	lon):(5) 3/22/2005 Date) 1/21/2005 Date) itiated as	12/13/2004 (Date)	Signature: Signature: Signature:	Day Autorg	toutfull  Authorite  A	h	12/13/200 (Date) (FOM) (PM)

OE Site Identification			Nonconforn	ning Process	<u> </u>		Report No.	Date
ESite: MRS-Ranges 43-48	Geo survey		Reacq:		Other		147	12/20/2004
rid: C2A5D9	Processing		Clearance:	<b>V</b>				
Part I (UXOQC)								1
escription of Nonconforming Con-	dition:(1)							· · · · · · · · · · · · · · · · · · ·
The QC seed program indicated the excavation removal process. The efforts in this grid on 11/30/04. Qo the same model type of locating in 3.0mV. The QC inert seed item deconstitute a grid failure.	inert QC seeded i C, USA 1 and 2 vanstrument that was	tem was I ilidated the used by	ocated in a geo at the item was the digital exca	ophysical polyg s detectable an avation team.	ion. The di d had a thi The establi	igital excavat reshold of gr ished Project	tion team completed eater than 3.0mV (5 t threshold for all dig	l their work 5.0mV) utilizing gital processes is
pparent Cause of Nonconforman	ce:(2)							
It appears that the digital excavation		ear all and	malies with a t	threshold of gre	eater than	3.0mV within	the geophysical po	olvaon.
Signature: (QCM)  Copy Delivered to: Geophy	sical Manager	FOM	12/20/2004 (Date) SUXOS	$\circ$		Date:	1/5/2005	-
Signature:			12/20/2004	Signature:		my or	Hir	12/20/200
(FOM)			(Date)	<u> </u>		(PM)	N	(Date)
Part II (OPERATIONS	· · · · · · · · · · · · · · · · · · ·			1 4		· · · · · · · · · · · · · · · · · · ·		
decommended Corrective Action:(	R  R  pugh the geophysi		:		ear, the en	Other:		ith the EM61
Part II (OPERATIONS) Recommended Corrective Action:(i Team leader was briefed that althorated it is imperative that all anomal and it is imperative that all anomal actions are continuously to the continuously that all anomal actions are continuously to the continuously that all anomal actions are continuously to the continuously that all anomal actions are continuously to the continuously that all anomal actions are continuously that all actions are continuously	R R Dugh the geophysi lies exceeding the	eprocess ical polygo e threshold	:	Re-clear: st difficult to cle	ear, the en			ith the EM61
recommended Corrective Action:(3	R R Dugh the geophysi lies exceeding the	eprocess ical polygo e threshold	ons are the mod	Re-clear: st difficult to clo be removed.	he	tire polygon		
Feam leader was briefed that although it is imperative that all anomal out Cause Analysis (only for several signature:	R R Dugh the geophysi lies exceeding the	eprocess ical polygo e threshold	ons are the most of 3mv must	Re-clear: st difficult to cle	ear, the en	tire polygon		12/21/200
Team leader was briefed that although it is imperative that all anomal and it is imperative that all anomal another coot Cause Analysis (only for seven)	Repugh the geophysialies exceeding the verity level 1): (4)	eprocess cal polygo e threshold	ons are the mod	Re-clear: st difficult to clo be removed.	he	tire polygon		12/21/200 (Date)
Team leader was briefed that although it is imperative that all anomal toot Cause Analysis (only for seven)  Signature: (FOM)	a) R R Dugh the geophysialies exceeding the verity level 1): (4)	eprocess cal polygo e threshold	ons are the most of 3mv must	Re-clear: st difficult to cle be removed.	he	tire polygon		12/21/200 (Date)
Team leader was briefed that although it is imperative that all anomal doot Cause Analysis (only for several second control of the control of	a) R R Dugh the geophysialies exceeding the verity level 1): (4)	eprocess cal polygo e threshold	ons are the most of 3mv must	Re-clear: st difficult to clo be removed.	he	tire polygon		12/21/200
Team leader was briefed that although it is imperative that all anomal doot Cause Analysis (only for several second control of the control of	Action Verification:	eprocess cal polygo e threshold	ons are the most of 3mv must	Re-clear: st difficult to cle be removed.  Signature:	he	tire polygon		12/21/200 (Date) (FOM)
Team leader was briefed that although it is imperative that all anomal toot Cause Analysis (only for seven)  Signature: (FOM)	Action Verification:	eprocess ical polygo e threshold threshold ion):(5)	ons are the most of 3mv must	Re-clear: st difficult to cle be removed.	he	tire polygon		12/21/200 (Date)
Team leader was briefed that although it is imperative that all anomal and it is imperative that all anomal another control coort Cause Analysis (only for seven (FOM)  Part III (Corrective Corrective Action Was Completed (Corrective Action Was Corrective Action Was Corrective Action Was Corrective Action Was Corrective (Corrective Action Was Corrective Action Was Corrective Action Was Corrective Action Was Corrective (Corrective Action Was Corrective Action Was Corrective Action Was Corrective Action Was Corrective (Corrective Action Was Corrective Action Was Corrective Action Was Corrective Action Was Corrective (Corrective Action Was Corrective Action Was Corrective Action Was Corrective Action Was Corrective (Corrective Action Was Corrective Action Was Corrective Action Was Corrective Action Was Corrective (Corrective Action Was Corrective Action Was Corrective Action Was Corrective (Corrective Action Was Corrective Action Was Corrective Action Was Corrective Action Was Co	Action Verification:	eprocess ical polygo e threshold threshold ion):(5)	ons are the most of 3mv must	Re-clear: st difficult to cle be removed.  Signature:	he	tire polygon		12/21/200 (Date) (FOM) (PM)
Feam leader was briefed that although it is imperative that all anomal coot Cause Analysis (only for seven (FOM)  Part III (Corrective orrective Action Was Completed or corrective Action Was Verified On orrective Action Was Verifie	Action Verification:  12	lon):(5)	ons are the most of 3mv must	Re-clear: st difficult to clobe removed.  Signature: Signature: Signature:	he	tire polygon		12/21/200 (Date) (FOM)
Team leader was briefed that although it is imperative that all anomal and it is imperative that all anomal another coot Cause Analysis (only for seven)	Action Verification:  12	deprocess ical polygo threshold threshold ion):(5)	ons are the most of 3mv must	Re-clear: st difficult to clobe removed.  Signature: Signature: Signature:	he	tire polygon		12/21/200 (Date) (FOM) (PM)

OTO:								
OE Site Identification			1	ming Process			Report No.	Date
ESite: MRS-Ranges 43-48	Geo survey		Reacq:		Othe	r	148	12/20/2004
id: C2A8B9	Processing		Clearance:	<b>V</b>			<u></u>	
Part I (UXOQC)								
scription of Nonconforming Con	dition:(1)							
excavation removal process. The ocation. The shallower seed item completed their work efforts in this 3.0mV (4.2mV) utilizing the same or all digital processes is 3.0mV. described condition does not constant.	n (75mm Shrapnel s grid on 12/6/04. model type of loca The QC inert doul	projectile) QC, USA ating instruble seed it	) was located a 1 and 2 valida ument that was	a recovered by ited that the ite is used by the d	the digita m was de igital exca	l excavation of tectable and avation team.	eam. The digital ex had a threshold of o The established Pr	cavation team greater than oject threshold
pparent Cause of Nonconforman	ice:(2)							
appears that the digital excavati	on team did not cl	ear all and	12/20/2004				1/5/2005	uble seed.
(QCM)	•		(Date)	Severity Le	evel	3		
Copy Delivered to: Opeophy	sical Manager 💿	FOM		S ○ PM			-216	
Signature:	Ste		12/20/2004	Signature:	K	Jary /	Juffethe	12/20/20
(FOM)			(Date)			(PM)	$-\nu$	(Date)
Part II (OPERATIONS			<del></del>				<del> </del>	
rait ii (Ortiva i ioiki	<b>5)</b> :		The second second		- W			
	· · · · · · · · · · · · · · · · · · ·	Resurvey:		Reacq:		Other	:	· · · · · · · · · · · · · · · · · · ·
recommended Corrective Action:( Team leader was briefed and rem you found a seed does not negate or real world anomalies.	3) Finded that QC and	Reprocess I QA seed	items are plac	Re-clear: ced to provide		scenario to r	eal world situations.	
ecommended Corrective Action:(  Team leader was briefed and rem you found a seed does not negate or real world anomalies.	3) F F inded that QC and the fact that you	Reprocess I QA seed have to co	items are plac	Re-clear: ced to provide		scenario to r	eal world situations.	
ecommended Corrective Action:( eam leader was briefed and rem ou found a seed does not negate or real world anomalies.	3) F F inded that QC and the fact that you	Reprocess I QA seed have to co	items are plac	Re-clear: ced to provide	hole unt	scenario to r	eal world situations.	
ecommended Corrective Action:( Feam leader was briefed and remou found a seed does not negate real world anomalies.	3) F F inded that QC and the fact that you	Reprocess I QA seed have to co	items are place	Re-clear: ced to provide and the excavation	hole unt	scenario to r il it is comple	eal world situations.	additional seeds
ream leader was briefed and rem rou found a seed does not negate or real world anomalies.	and and and and a the fact that you werity level 1): (4)	Reprocess I QA seed have to co	items are placed items.	Re-clear: ced to provide and the excavation	hole unt	scenario to r il it is comple	eal world situations.	additional seeds
ecommended Corrective Action:( Feam leader was briefed and remove found a seed does not negate for real world anomalies.  Signature:  (FOM)  Part III (Corrective	ainded that QC and the fact that you werity level 1): (4)	Reprocess I QA seed have to co	items are placed items.	Re-clear: ced to provide and the excavation	hole unt	scenario to r il it is comple	eal world situations.	additional seeds
Feam leader was briefed and remote found a seed does not negate for real world anomalies.  Signature:  (FOM)  Part III (Corrective	Action Verificat	Reprocess I QA seed have to co	items are placed items.	Re-clear: ced to provide at the excavation	hole unt	scenario to r il it is comple	eal world situations.	additional seeds
ream leader was briefed and removed found a seed does not negate or real world anomalies.  Signature:  (FOM)  Part III (Corrective	Action Verificat	Reprocess I QA seed have to co	items are placed items.	Re-clear: ced to provide at the excavation	hole unt	scenario to r il it is comple	eal world situations.	additional seeds
Feam leader was briefed and remyou found a seed does not negate or real world anomalies.  Signature:  (FOM)  Part III (Corrective orrective Action Was Completed	ainded that QC and the fact that you werity level 1) : (4)  Action Verificat On: 12	Reprocess I QA seed have to co	items are placed items.	Re-clear: ced to provide a the excavation Signature:	hole unt	scenario to r il it is comple	eal world situations.	additional seeds  1/21/20 (Date)  (FOM)
Feam leader was briefed and remyou found a seed does not negate or real world anomalies.  Signature:	Action Verificat On: 12	Reprocess I QA seed have to co	items are placed items.	Re-clear: ced to provide a the excavation Signature: Signature:	hole unt	scenario to r il it is comple	eal world situations.	additional seeds  1/21/200 (Date)  (FOM)  (FM)

PAREGRE FILE	nave or	9.83.74X	i Ziti skirini	41/17/01	ick (see	Tr .		
OESite Identification			Nonconform	ning Proces	8		Report No.	Date
OE Site: MRS-Ranges 43-48	Geo survey	學	Reacq:	5/8 2.4	Other		149	1/11/2005
Grid: B2J7C9	Processing	選	Clearance:	<b>V</b>				
PARE (DODG)								
Description of Nonconforming Condit	ion:(1)							
The QC seed program indicated tha 60mm T/P mortar at 16" in grid B2J; their work efforts on 1/6/05. UXOQC that was used by the analog remova	7C9 were not suc C and USA 1 (SU	cessfully	detected during	ng the analog	removal pr	ocess. The	analog removal te	eam completed
Apparent Cause of Nonconformance	2:(2)			- 0.002		4-15		
It appears that the UXO removal tea	• •	ely cond	uct analog rem	oval to depth	operations	IAW the Ra	 Inges 43-48 SSW	P.
Signature: (QCM)  Copy Delivered to: Geophysic	leifu al Manager (•)	FOM	1/11/2005 (Date) SUXOS	Severity L	Action Du	e Date:	TI	BD_
Signature:	F		1/11/2005	Signature:	,	Dan	Bullett	1/11/2005
(FOM)			(Date)	_	- (	(PM)	100	(Date)
Part IL (CPHRATICHS)				***		eric .	V 3200	
Recommended Corrective Action:(3)	Re	survey:		Reacq:		Other		
(-)		process:		Re-clear:	- E	00	•	
Root Cause Analysis ( only for seve	rity level 1) : (4)				- Arganya ay			
Signature: (FOM)	- An		1/12/2005 (Date)	Signature <u>:</u>	, Sa	My /O	affet le	1/12/2005 (Date)
Part III (Corrective A	ction Verification	n):(8)					An Same	
Corrective Action Was Completed Or		28/2005		Signature:			F	(FOM)
	(D:	ate)	-	_	1		- 0	
	·	·		Signature:	Dar	1 Duy	futte	(PM)
Corrective Action Was Verified On:	4/3	21/2005		Signature:	Mile.	u Ki	hletus	(QCM)
Closeout Comments: (6)	(D.	ate)	-	_	1	<del>-, ,</del>		· · · · ·
Both seed items were detected and	recovered by the	digital re	moval process	<b>i.</b>	4			
✓ Approved ☐ Disapproved  Note 1: When all actions have been	New NCF			Signature:	7 33 4 4	<del>/ / ~ </del>	V   70	(QCM)
Note 2: When all actions have been	completed a cop	y of this	form shall be p	provided to th	e CESPK P	roject Mana	ger	

PARSONS	NONCO	NFORMAN	CE AND CORF	RECTIVE AC	TION REPO	रा		
OE Site Identification			Nonconfor	ming Proce	ss		Report No.	Date
OE Site: MRS-Ranges 43-48	Geo survey		Reacq:		Other		150	3/2/2005
Grid:	Processing		Clearance:		Overdue Ed	quipment		
Part I (UXOQC)	4 13						A Comment	Adams 1986
Description of Nonconforming Con	dition:(1)							,
The subcontractor's equipment to that it was anticipated that the subschedule indicating that the first a indicated that the next phase of w phase and be completed in 1 wee 3/2/2005, the equipment describe schedule included in the subcontraction.	bcontactor would activites of the sift orkassembly o k. The first phas d in the second p	begin the in t operation of the sifter a se of the sift phase of the	ntial phase of the grading and and overland of the grading and or the gradion begoes after one of the gradion.	the sift proce stockpiling conveyorwo gan, as antic has not arriv	ess on 11/22/ -would have ould take plac pated, 11/22 ved. The ass	2004. The sua duration of ce towards the 1/2004 and was	ubcontractor's pro 4 weeks. The sch e end of the gradi as completed 1/27	posal included a nedule also ng and stockpiling /2005. As of
Apparent Cause of Nonconforman	nce:(2)	-						
The availability of the conveyor sy  Signature:	stem required to	conduct the	e sift process i		e with the prove		agreed upon plan 3/16/2005	
<del>- 1 - 1 - 1</del>	(1) 100°.	100				_	0/10/2000	<del>_</del>
(QCM)	1:-1 <b>4.4</b> s======	∼ FΩM	(Date)	Severity	Level	2	•	
	sical Manager (	● FOM	SUXOS	$\circ$	Bu	bi	14	2/2/2005
Signature: (FOLD)			3/2/2005	Signatur	e: tu	7 107	fitte	3/2/2005
(FOM)			(Date)			(PM) v		(Date)
Part II (OPERATIONS					<del></del>	T	<u> </u>	
Recommended Corrective Action:(	3)	Resurvey:		Reacq:		Other:		
"liquidated damages" penalty clau be covered at their expense.			y on TES and	any addition	al cost cause	ed to the proje	ect by their actions	or inactions may
Root Cause Analysis (only for sev	verity level 1) : (4	1)						
Signature: (FOM)	CFI		3/14/2005 (Date)	Signature	s: Lan	- Duff	ith	3/14/2005 (Date)
Part III (Corrective	Action Verifica	ation):(5)				1 1	<i>L</i> -	
Corrective Action Was Completed		3/14/2005		Signature	2: Vl	116	Fr	(FOM)
т		(Date)	-	<u> </u>	<u> </u>	- Com-	- · · · ·	_ (, 0,,
		(32.2)		Signature	»: <u>A</u>	ly Gr	fulla	(PM)
Corrective Action Was Verified On	ı:	3/14/2005	_	Signature	9://de	as K	othletu	(QCM)
Closeout Comments: (6)	<del></del>	(Date)	-		7	<del></del>		<del>_</del>
✓ Approved	Now N	VCR number:		Cianotus		<b>8.</b> 6 //	40.1	(001)
Approved Disapproved  Note 1: When all actions have been				Signature attached to t		LOC Penort E	iorm	(QCM)

PARSONS	NONCON	FORMAN	CIE AND GOR	RECTIVE ACT	TION REPO	RT		
OE Site Identification			Nonconfor	rming Proces	SS		Report No.	Date
OE Site: MRS-Ranges 43-48	Geo survey		Reacq:		Other	ŗ	153	4/18/2005
Grid: B2I7E9	Processing	5.0	Clearance:	<b>V</b>				
Part I (UXOQC)		7 V. 12 PM V. 1000						
Description of Nonconforming Condit	ion:(1)	- Comme			2000			Section 2015 Interestable to the accompany to the section of the s
The QC seed program indicated that excavation removal process. The in 0096. This anomaly was selected by offset. The digital excavation team of were removed to a depth of 6". QC model type of locating instrument that QC inert seed item was located and	nert QC seed iter by the digital proc completed their v validated that th at was used by t	em was loca ocessor and work efforts he item was the digital o	cated at 57423 d successfully ts in this grid of as detectable a excavation te	395.95 E, 2120 y reacquired in on 3/15/05 and and had a thre eam. Establishe	0408.75 N wanthe field with the field with the field with the field documents as well	which was .38' s ith an instrumented that at this a eater than 3.0m threshold for all	south of unique a ent reading of 8m' anomaly's location V (5.0mV) utilizi	anomaly B2I7E9- IV and no flag on 0.3 lbs of MD-F ting the same es is 3.0mV. The
Apparent Cause of Nonconformance	<del>3</del> :(2)							
Signature: (QCM)	heifin	~	4/18/2005 (Date)	Corrective Severity L	e Action Du	ue Date:	5/2/2005	
Copy Delivered to: Oceophysic	cal Manager	) FOM		S O PM		_ ~	. (,	
Signature:	12		4/18/2005	Signature	: <u>Đũ</u>	m Du	Kuthe_	4/18/2005
(FOM)			(Date)			(PM)		(Date)
Part II (OPERATIONS)	37.7	7 7 7 9	100			- 100 100 100 100 100 100 100 100 100 10	and the second s	710
Recommended Corrective Action:(3)	F	Resurvey:	2. <sup>19</sup>	Reacq:	i i	Other:		
		Reprocess:		Re-clear:		†		
Root Cause Analysis ( only for sever	ity level 1) : (4)	1	4/19/2005	<sup>5</sup> Signature	Ly	3 mi Du		4/19/2005
(FOM)	<u>J</u> -		(Date)	_ Olymana. 5	: / v	1000		(Date)
Part III (Corrective Ac	-tion Varificat	lant/A)	(Daw,			(gw)		(Luiv)
Corrective Action Was Completed Or		4/20/2005		Signature	/	Mig	<u> </u>	(EOM)
COFFECTIVE ACTION Was Completed Si			-	Signature_	Kyn	7 Opp		(FOM)
	(.	Date)		Signature	: £a	my bay	foll	(PM)
Corrective Action Was Verified On:	4	4/21/2005		Signature	://l/ce	M KIL	letor	(QCM)
Closeout Comments: (6)	(1	Date)	-		T			
This grid was subjected to an increasinspection focused on digital excava and recovered by the analog remova	ition sites to veri	rify that this	s process was	s implemented	IAW R43-4	48 SSWP. The		
✓ Approved ☐ Disapproved  Note 1: When all actions have been		CR number:		Signature:	4	al OC Report Fo	Phleifal	(QCM)

OE Site Identification			Nonconfo	rming Proces	S		Report No.	Date
DE Site: MRS-Ranges 43-48	Geo survey		Reacq:		Other		154	4/25/2005
Grid: B2J8H0	Processing		Clearance:	<b>V</b>				•
Part I (UXOQC)		er er er er er er er er er						
escription of Nonconforming Condition	n:(1)							
The QC seed program indicated that t (see NCR #146), was also not detecte 3/22/05. QC validated that the item wa instrument that was used by the digita	d during the date of the date	ligital remo and had a 1	val process.	The digital exc	avation tea	m complete	d their work effor	ts in this arid on
Apparent Cause of Nonconformance:(	2)					w		***************************************
The instrument response in "real time"	<u> </u>	higher than	that of the c	digital data (1.9r	nV) surveye	ed for this ar	nomalv.	
Signature: (QCM)  Copy Delivered to: Geophysical Signature:	Manager	FOM	4/25/2005 (Date) SUXO: 4/25/2005	Severity Le		Date:	5/16/2005	4/25/20
(FOM)			(Date)	Olgriature.	/00	(PM)		(Date)
(1 0111)			(50.0)			(1.11)		(Date)
Part II (ODERATIONS)					To glassify the			
Fait II (OF ENTION)	B	estitaen.	<b>V</b>	Reacu:	<b>V</b>	Other		
Recommended Corrective Action:(3)	R	desurvey: deprocess: ed, and re-		Reacq: Re-clear: y a UXO team.	<b>y</b>	Other		
Recommended Corrective Action:(3)  This grid will be re-surveyed, reproces	sed, reacquire	deprocess: ed, and re-	<b>V</b>	Re-clear:		Other		
Recommended Corrective Action:(3)  This grid will be re-surveyed, reprocess  Root Cause Analysis ( only for severity	sed, reacquire	deprocess: ed, and re-	excavated by	Re-clear: y a UXO team.		Other	fh.H.	7/5/20
Recommended Corrective Action:(3) This grid will be re-surveyed, reprocess Boot Cause Analysis ( only for severity	sed, reacquire	deprocess: ed, and re-	excavated by	Re-clear: y a UXO team.		Other:	forth	
Recommended Corrective Action:(3)  This grid will be re-surveyed, reprocess  Root Cause Analysis ( only for severity  Signature:	sed, reacquire	deprocess:	excavated by	Re-clear: y a UXO team.		Other:	forth	7/5/20 (Date)
Recommended Corrective Action:(3)  This grid will be re-surveyed, reprocess  Root Cause Analysis ( only for severity  Signature: (FOM)  Part III (Corrective Action:(3)	sed, reacquire y level 1) : (4)	deprocess:	excavated by	Re-clear: y a UXO team.  Signature:		Other:	Sp.H.	(Date)
Recommended Corrective Action:(3)  This grid will be re-surveyed, reprocess toot Cause Analysis ( only for severity (FOM)  Part III (Corrective Action:(3)	sed, reacquire  y level 1) : (4)  lon Verificati	deprocess: ed, and re-d ion):(5)	excavated by	Re-clear: y a UXO team.		Other:	forth.	
Recommended Corrective Action:(3)  This grid will be re-surveyed, reprocess  Root Cause Analysis ( only for severity  Signature: (FOM)  Part III (Corrective Action:(3)	sed, reacquire  y level 1) : (4)  lon Verificati	deprocess: ed, and re-d	excavated by	Re-clear: y a UXO team.  Signature:		Other	forth.	(Date)
Recommended Corrective Action:(3)  This grid will be re-surveyed, reprocess the cost Cause Analysis (only for severity (FOM)  Part III (Corrective Action Was Completed On:	sed, reacquire  y level 1) : (4)	deprocess: ed, and re-d ion):(5)	excavated by	Re-clear: y a UXO team.  Signature: Signature:		Other:	John Jack	(PM)
Recommended Corrective Action:(3)  This grid will be re-surveyed, reprocess  Root Cause Analysis ( only for severity  Signature: (FOM)  Part III (Corrective Action)  Corrective Action Was Completed On:	sed, reacquire  y level 1) : (4)	deprocess: ed, and re-defined in the control of the	excavated by	Re-clear: y a UXO team.  Signature:		Other	forth inthe the the	(Pom)
Recommended Corrective Action:(3)  This grid will be re-surveyed, reproces  Root Cause Analysis ( only for severity  Signature:	sed, reacquire  y level 1) : (4)  lon Verificati  7 (E	leprocess: ed, and re-d lon):(5) 7/20/2005 Date)	excavated by 7/5/2005 (Date)	Re-clear: y a UXO team.  Signature: Signature: Signature:	Dan Dan Dan	y Duy	John January Land	(PM) (QCM)

PARSONS	NONCON	FORMANG	E AND COR	RECTIVE ACT	ION REPO	)RT	Here and the second	
OE Site Identification			Nonconfor	ming Proces	S		Report No.	Date
· · · · · · · · · · · · · · · · · · ·	Geo survey		Reacq:		Othe	r	155	7/25/2005
Grid: B2J8H0	Processing		Clearance:	<b>✓</b>				
Pan I (UXOQC)								All Control
Description of Nonconforming Condition	า:(1)							
The QC seed program indicated an ine NCR #146), not detected during the digital re-excavation team completed to 3.0mV or greater. The missed seed its digital removal process with the support traversed over in an East-West direction.	gital removal heir work effo em was recov rt of a geophy	process (se rts in this gr rered by QC rsical EM-6	ee NCR #154 rid on 7/20/09 7/21/05 utili 1 operator. T	), was also no 5. QC validate zing the same he maximum o	t detected ed that the model tvo	by the comple item was field be of locating it	ete digital rework I detectable and I nstrument that w	process. The had a threshold of as used by the
Apparent Cause of Nonconformance:(2								
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(QCM)		COM	(Date)	Severity L	evel	2		
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(FÓM) Geo			(Date)		•	(PN/I)	(N	(Date)
Part II (OPERATIONS)						1		14.0
Recommended Corrective Action:(3)	F	Resurvey:		Reacq: Re-clear:		Other:		
Root Cause Analysis (only for severity  Signature:  Part III (Gorrective Action Was Completed On:	On Verificat	>	(Date)	Signature: Signature: Signature:	for D	any for	affith	(Date) (EQM) & ex
O A	s	3/10/2005		C' statemen	On	1. 1/1	(b)	(20th
Corrective Action Was Verified On:		Date)	•	Signature:	400		<u> </u>	(QCM)
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Approved Disapproved  Note 1: When all actions have been convolved.  Note 2: When all actions have been convolved.	ompleted a co				e Grid Fina			(QCM)

# Number of Affected Grid 1

MRS-Ranges 43-48.B2J8H0

OE Site Identificatio				Nonconform	ning Proces	<u> </u>	Report No	0.	Date
ESite: MRS-Ranges 4:	3-48	Geo survey		Reacq:	14	Other	146	1	1/29/2004
rid: B2J8H0		Processing	58	Clearance:	V				
							12		
lescription of Nonconfor The QC seed program in									
removal process. The a utilizing the same model	naiou remov	zaiteam como	leted meir	WORK Affords on	11/15/04 IIX	DOC: USA 1 and	2 validated that the	item was de	etectable
pparent Cause of Nonce	onformance	:(2)							
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	(QCM)			(Date)	Severity Le	vei			
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Signature:	J./	18/10		11/29/2004	Signature:	Pau	1 Buffet	<u> </u>	11/29/200
	(FOM)			(Date)		(PM)	<i>V</i>		(Date)
Part B (OPE					200	W/ 10 10 10 10 10 10 10 10 10 10 10 10 10			
		4.4			12.7	6 Chart			
		- 1	Resurvey:		Reacq:		Other:	·- <u></u>	
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Teams were briefed to en	e Action:(3)  nsure that ap  AW SSWP t	ppropriate prod to map and en	Reprocess cedures and sure remov	: [] [1	Re-clear: ow proper det	ection of anomali	es. This grid is sche	eduled to be	
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OESite Identification			Nonconforn	ning Process	3		Report No.	l Dete
ESite: MRS-Ranges 43-48	Geo survey		Reacq:		Other	-	154	4/25/2005
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### Response to NCR 155

## **Description of non-conforming condition:**

The QC seed program indicated an inert seed item, a 37mm LE at 11", which was not successfully detected during the analog removal process (see NCR #146), not detected during the digital removal process (see NCR #154), was also not detected by the complete digital rework process. The digital re-excavation team completed their work efforts in this grid on 7/20/05. QC validated that the item was field detectable and had a threshold of 3.0mV or greater. The missed seed item was recovered by QC 7/20/05 utilizing the same model type of locating instrument that was used by the digital removal process with the support of a geophysical EM-61 operator. The maximum digital responses of the seed item were 3mV when it was traversed over in an East-West direction and 5mV in a North-South direction.

## **Apparent cause:**

The instrument response in "real time" is higher than that of the digital data surveyed for this anomaly.

#### **Recommended Corrective Action:**

None. The grid has been covered three times (once analog, once with a towed array of EM61-MK2s and once with a single EM61-MK2) with the same result. There is no reason to believe that the work conducted in this grid was any less effective than the work performed over the rest of the site.

The seeded item, a horizontal 37mm LE at 11" bgs, is the smallest item for which the survey was designed, at the worst orientation, and almost at the maximum depth. It would be expected to produce an anomaly near the anomaly selection threshold of 3mV. The actual peaks in the data closest to the seed item location were 1.91 and 1.93 mV (channel 3 leveled and filtered) for the first and second datasets collected over the grid. The pre-filtered peaks were 2.02 and 2.56 mV respectively.

The specific seed item measured slightly smaller than a sample item on the display board at Fort Ord (3-5mm smaller diameter below the rotating band). The weight of the seeded item was 12.75 oz. compared to 13.2 oz. of the more intact display item. The approximate 10% difference in diameter and 3.4% difference in weight may partially explain the low EM61-MK2 response from this seed item.

The real time responses described in NCR 155 (3mV in East-West and 5mV in North-South orientation) indicate that if a sensor had passed over the exact peak of the anomaly it could have been detected. Both digital surveys were conducted in the East-West orientations. However, real-time measurements with the EM61-MK2 tend to be slightly higher than the dynamic measurements recorded during actual survey operations for three reasons, 1) the operator generally nulls the instrument at a nearby location with the lowest conductivity, 2) the operator searches for the location where the response is highest, and 3) the operator holds the instrument steady over the peak recording a static measurement.. These differences between the real-time and dynamic survey operations explain the discrepancy between the responses reported in NCR 155 and recorded by the survey.

The seeded 37mm LE item appears to have been undetectable with the instruments, survey procedures and anomaly selection threshold used. The combination of small item size, deep depth, and horizontal orientation of this item did not produce an anomalous response above the 3mV selection threshold.

Craig Murray
Fort Ord Project Geophysicist, Parsons