



**Westcliffe
Engineers, Inc.**

FIELD VARIANCE FORM

DATE: <u>7-28-2008</u>	PROJECT NAME: <u>FORA ESCA RP</u>	PROJECT LOCATION: <u>Former Fort Ord, CA</u>
APPLICABLE DOCUMENT / SECTION:	<u>Final Addendum to Final OE-15SEA.1-4 Site-Specific Work Plan, Phase II Seaside Munitions Response Area (MRA) Removal Action, Former Fort Ord, dated January 24, 2008 ("the SSWP Addendum")/ Section 5.27</u>	
SUBJECT:	<u>Revisions to Quality Control (QC)-2 procedures for MEC removal actions at Fort Ord Special Case Areas (SCAs).</u>	

FIELD CHANGE CONDITION:

The Quality Control (QC)-2 process documented in the SSWP Addendum uses the same multiple step process (developed by Parsons) for the previous removal actions. Parsons conducted the majority of the Non-Time Critical Removal Action in MRS Seaside 1-4, with the exception of the SCAs *using an alpha numeric grid system*. The SCAs are areas where munitions removal actions were not completed by the previous Army contractor. The random distribution of the SCA across Seaside, along with their irregular shapes was not conducive to a grid system. The current removal effort addresses the SCAs as unique areas, and although the SCAs are referenced to global positioning they are not tied to a specific grid system. As a result, the QC-2 process as carried over from the previous removal process, and document in the current Work Plan, is not compatible, and some minor revisions are required. These revisions constitute the basis for this variance.

This variance describes the approach to implement and complete QC-2 for the Seaside MRA considering the fact that only SCAs are addressed as unique areas and not entire grids. This QC-2 approach for the completion of the SCA removal actions, addresses the QC-2 requirements for the Seaside SCAs while taking into the account the previous work already completed by Parsons. The modified approach will result in a level of QC-2 that is greater than or equivalent to the approximately 16% QC-2 performed by Parsons during previous removal actions.

RECOMMENDED APPROACH / CHANGE:

The proposed approach to complete QC-2 step down was developed after analyzing Parsons Technical Information Paper for their work on MRS SEA1-4 and comparing the locations of SCAs.

The FORA ESCA Team developed the attached white paper entitled *FORA ESCA Remediation Program Seaside MRA, QC-2 Approach Former Fort Ord, California July 28, 2008*, that provides the basis for establishing size and distribution criteria for the QC-2 step for the SCAs. It is based on an evaluation of the distribution of SCAs by area [provided in *Attachment 1*], along with the practicality of sampling a fraction of small areas. In addition, it provides details on the biased selection process that will be used to identify SCAs for QC-2.

The white paper, detailing the change and revisions to be incorporated as part of this work plan was presented to EPA, DTSC during preliminary and draft development.

IMPACT ON PRESENT AND COMPLETED WORK:



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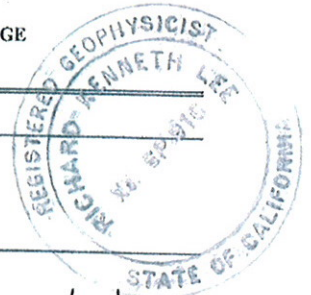
There will be no impacts to present or completed work, or to the overall QC process. This field variance defines the approach to QC-2.

REQUESTED BY: Senior Geophysicist, John Williams

CLARIFICATION/FOR INFORMATION ONLY MINOR CHANGE MAJOR CHANGE

ESCA RP TEAM APPROVALS:

COMMENTS



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FORA APPROVAL:

COMMENTS

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