

APPENDIX G
EXPLOSIVES SAFETY SUBMISSION FOR
INSTITUTIONAL OR ENGINEERING CONTROLS
(EXAMPLE FORMAT)

G-1. Reason for Ordnance and Explosives.

Provide a brief description of why Ordnance and Explosives (OE) contamination exists in the specific area(s) of the site covered in the Explosives Safety Submission (ESS). This information may be derived from the following project documents: Inventory Project Report; Preliminary Assessment of Eligibility; Historical Records Searches; Archives Search Report; and/or Engineering Evaluation/Cost Analysis (EE/CA).

Provide a brief explanation that the site is under the Formerly Used Defense Site (FUDS) or Base Realignment and Closure (BRAC) program.

Provide a brief explanation that following an EE/CA or a risk assessment, the response action alternative of “Institutional Controls” or “Engineering Controls” has been recommended.

G-2. Maps.

a. Regional Map.

Provide a map showing the regional location of the site. For example, provide a state map with the site identified on it.

b. Site Map.

Provide a site map which illustrates the OE area(s) addressed in the ESS. Show the current use of each area (for FUDS) or the expected reuse of each area (for BRAC). The specific boundaries of the area(s) should be clearly noted. If other areas of the site are not covered by the ESS, the reasoning for their exclusion should be explained. For example, these areas may be covered in a future ESS or were addressed by a previous ESS.

Show the location of any areas which will be addressed by institutional or engineering controls. For example, if deed restrictions are to be imposed, show the area affected. As another example, if an area will be fenced off, show the fence line.

c. Soil Sampling Map.

If sampling of explosive soils occurred during the site investigation, provide a map outlining the area(s) sampled and the location and depth of sampling points. Identify the field screening methods used and the concentrations of explosives for each sampling point.

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Identify any environmental or legal considerations that are important to the implementation of institutional controls.

G-3. Justification.

Provide justification for institutional or engineering controls at the area(s) addressed in the ESS. This justification should include the following:

- a. The amounts and types of OE found during the site investigation. Present a brief synopsis of the results of the surface and intrusive investigations. This discussion should be supported by a table which shows: the amount of OE; type of OE; and the depths of OE found in each area investigated.
- b. A summary of the risk analysis performed on the area(s) addressed in the ESS.
- c. A summary of the cost- benefit analysis, if performed.
- d. Provide a summary for the rationale for the selection of institutional or engineering controls as the most appropriate action, based on the amount, type and depth of OE found, the risk analysis, and (if available) the cost-benefit analysis.

G-4. Start Date.

Not applicable.

G-5. Migration of OE.

If the existing amounts, types and depths of OE is expected to increase due to migration, describe what impact this will have on the level of risk at the site in the future. If the level of risk is expected to escalate back to the unacceptable level, describe what the plans are to address this escalation. Principle migration mechanisms are discussed below:

- a. Frostline. State the depth of the frostline at the site. Where OE is above the frostline but is currently deep enough to be an acceptable risk with the chosen controls, but may migrate upward and cause trouble in the future, describe what provisions will be made for continued surveillance of the area.
- b. If the area(s) encompass water bodies, then provide a discussion on the impact of wave action, tides, currents, storms, etc, on any potential OE migration.
- c. If the area lies in a watershed such that runoff and erosion can carry OE from upstream into the area, address this concern.

G-6. Clearance Techniques.

Not applicable.

G-7. Alternate Techniques.

Not applicable.

G-8. Quantity-Distance.

Not applicable.

G-9. Off-site Disposal.

Not applicable.

G-10. Technical Support.

Not applicable.

G-11. Public Involvement.

Discuss the public participation activities which occurred as part of the EE/CA process, including:

- public meeting(s);
- Restoration Advisory Board, if applicable;
- 30-day public comment period;
- press conference(s);
- media day(s); and
- location of the Administrative Record.

G-12. After Action Report.

An After Action Report will not be produced. An Action Memorandum will be executed to conclude this project.

G-13. Summary.

Present a summation of the project which mirrors the language in the conclusion of the EE/CA. (This language will also be included in the Action Memorandum.)

State that “Following the approval of the ESS, an Action Memorandum presenting the recommendations outlined in the EE/CA and ESS will be submitted to the District Commander. Following the approval of the Action Memorandum, it will be submitted to the Administrative Record.”