

ATTACHMENT 5

TTU INSPECTION PLAN

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TTU INSPECTION PLAN

1.0 Site Inspections [R315-264-15 and R315-270-14(b)(5)]

In addition to the 24-hour surveillance provided by the Oasis Security Police, regular inspections of the TTU, together with its associated personnel and equipment, are also conducted. These inspections are performed so that deficiencies may be found and corrective measures implemented in order to minimize problems due to equipment breakdown or personnel unpreparedness. The types of inspections include the following:

- Pre-and post-operational inspections;
- Equipment and personnel inspections;
- Environmental compliance inspections; and
- Annual TTU inspection and clearance.

Specific actions completed during each inspection are described in the following sections.

Each inspection is designed to identify deficiencies that may interfere with a safe and successful TTU operation. If a deficiency is noted during an inspection, the following actions are taken:

- The operation is stopped and the affected shop, office, or agency (e.g., 75 CEG/CEIE) is notified if the finding is considered by the inspector to be a serious threat to human health or the environment.
- Immediate corrective action is taken, if this action will correct the deficiency.
- If immediate corrective action does not remedy the deficiency, the inspector will contact the appropriate owner/supervisor/operator to remedy the deficiency.
- Pertinent facts relative to the deficiency will be noted in the appropriate checklist or logbook. The annotation will include the date and time of occurrence, nature of the deficiency, immediate corrective actions taken, follow-on actions required, and the impact of the deficiency on the operation, if any.

2.0 Pre- and Post-Operational Inspections

Before an EOD team chief begins an operation, the post-operation cleanup work that followed the previous treatment event is evaluated. Particular attention is given to items that may prove to be a hazard to team members or equipment during TTU operations, such as untreated explosive waste, unrecovered scrap, and ash residue. The site is also evaluated in terms of its suitability to support the vehicles and equipment needed to unload trucks and position the ordnance for treatment. If necessary, the Oasis Civil Engineer Branch will be requested to rework the site before it can be used.

As soon as it is safe to do so following the OB or OD treatment event—no sooner than 12 hours and no more than 24 hours after an OB treatment event is completed—the EOD team returns to the site. Here, they execute the post-treatment and residue management activities described in the following sections. Operations at Site 4 may commence during the same day and prior to post-operations for treatment conducted at Sites 1 or 2.

2.1 OB at Sites 1 and 4

EOD technicians, one as a primary, with a second technician acting as a safety backup, return to the OB site. Their mission is to verify that the site is safe to enter and to inspect the site and the areas surrounding the site for untreated explosives or propellant material. Since the team may encounter hazardous residue at the site, each member of the inspection team wears Personal Protective Equipment (PPE) appropriate for the operation, such as:

- Full-face air purifying respirator with dust/particulate cartridge;
- Work gloves; and
- Coveralls.

Once the EOD technicians confirm the OB treatment process is complete and the site is safe, they inspect all debris and residue in and around the site for the presence of reactive compounds. This is done in accordance with TO 11A-1-60. The follow-on residue management activities depend on the inspection results and whether the residue is safe to handle.

2.2 OB/OD at Site 2

Post-treatment activities at Site 2 follow the same procedures described for activities at Sites 1, 3 and 4, whether for OB or OD operations. It is noted here that due to the violent and destructive nature of OD, residue of any kind is rarely encountered following an OD event.

During the “cool-down” period, the gates to the TTU are locked and the red range flag remains up if no EOD or UTTR personnel are present, to prevent personnel from inadvertently entering the area. Subsequent operations may be conducted at Site 4 during this period. Pre- and Post-Operational Inspection findings are documented on the TTU Checklist.

3.0 Equipment and Personnel Inspections

All EOD equipment and personnel operating at the TTU are inspected the day of the operation by the EOD team chief for serviceability and readiness, respectively. Inspected equipment items include the vehicle(s), vehicle-mounted fire extinguishers, radios, emergency signals, spare tires and associated tools, and non-vehicle-mounted equipment such as first aid kits, and portable radios and operating equipment such as blasting machines, continuity testers, static field meters, etc. Personnel are inspected to ensure they are medically qualified and possess the necessary and serviceable personal operating gear, tools, and PPE. Inspection results are documented on the TTU Checklist.

4.0 Environmental Compliance Inspections

The TTU is inspected monthly by a HAFB or UTTR hazardous waste inspector. Items inspected include the security fence for signage and for the presence of breaches and damage; the presence of grazing livestock; evidence of ponded water or erosion; and the general condition of the sites. Inspection results are documented on the TTU Checklist.

5.0 Annual TTU Inspection and Clearance

The entire area designated as the TTU is thoroughly inspected and cleared of unexploded ordnance (UXO) and debris annually. This clearance is done in the late fall, following the years' TTU activities. For the TTU sites, and the areas immediately adjacent to each site, EOD personnel conduct the inspection and clearance on foot and at close intervals. This is the area where unburned or undetonated reactive fragments would likely land. Because of the potential for inert bomb body fragments to be thrown as far as the TTU fence line, this area is also inspected and cleared. EOD personnel conduct this operation on all-terrain vehicles or on foot.

Inspection results are documented on the TTU Checklist, while clearance operations are documented with incident reports in the EOD Information Management System (EODIMS) on-line database

6.0 Inspection Record keeping

Copies of completed TTU Checklists are maintained as part of the facility operating record. Copies of the incident reports are available in EODIMS and accessible by the EOD Flight at HAFB or Oasis.