RCUH/PICHTR ARMY-SPONSORED PROJECTS IN HAWAII
SAFETY PLAN FOR THE GENERIC WORK PLAN IN NON-IMPACT AND IMPACT AREAS

1.0 GENERAL. This Safety Plan (SP) was prepared in response to requirements posted by Range Division Hawaii (RDH) for personnel entering and conducting work in impact and non-impact areas. The Installation Safety Office (ISO) must also review this plan. All personnel conducting operations under this SP must read and understand the applicable parts of this SP prior to commencing work. Prior to all field operations, personnel will complete a daily risk assessment to reinforce the knowledge that there are risks involved with this work and to understand the methods to mitigate these risks.

1.1 PROJECT DESCRIPTION. Environmental Division, Natural Resource Management (NRM) personnel will conduct numerous conservation-related activities on Army training lands on Oahu. According to the Endangered Species Act, and 36 CFR 800, the Army, as a federal agency, is required by law to manage the endangered species and conserve natural resources, on any lands that include federal funding in order to continue training. It is the responsibility of the program to identify, monitor, and protect rare and endangered species of plants and animals, native areas, as well as control invasive weeds. All of this work entails many different kinds of activities that will be covered in the risk assessment as part of this plan.

1.2 SITE LOCATION. The NRM staff work on all of the different Army training lands, including: Schofield Barracks West, South, and East Ranges, Makua Military Reservation, Kawailoa Training Area, Dillingham Military Reservation, Kahuku Training Area, and Pohakuloa Training Area.

1.3 SITE CONDITIONS. Most of the areas where the NRM staff work are nonimpact areas. When working in Makua and Schofield Barracks West Range NRM staff are required to coordinate with EOD for support in entering and working in these areas.

2.0 APPLICABILITY. This SP applies to all personnel performing activities in support of the generic work plan as well as persons who may visit any of these work sites in the future.

3.0 RESPONSIBILITY. The RDH Range Officer is directly responsible for seeing all applicable rules and regulations are complied with and all necessary safety precautions are taken with operations in accordance with this SP. The Range Officer will ensure all personnel conducting activities in accordance with this SP have the proper range training and, if required, the proper certifications for the job being performed.
4.0 PERSONNEL QUALIFICATIONS AND REQUIREMENTS

4.1 PERSONNEL QUALIFICATIONS

4.1.1 Personnel will have experience in hiking and backpacking. Since almost all NRM injuries occur during hiking and backpacking, SOP 1 must be reviewed every quarter with the teams, with emphasis on following the recommendations made during daily risk assessments when relevant.

4.1.2 Personnel will follow the NRM Safety Plan and all applicable SOPs.

4.1.3 Personnel will receive the necessary training, such as: hand tool use, EOD ordnance identification (annually), orienteering, and certifications, such as chainsaw use, pesticide application, helicopter safety and sling loading, rappelling and ascending, use of firearms, first aid and CPR, driver’s safety, and lava tube/confined space activities.

4.1.4 Personnel will take precautions to remain adequately hydrated, particularly when the weather is hot. While doing especially tiring or sweat-producing work, be sure to drink plenty of fluids and take enough breaks to avoid dehydration.

4.1.5 EOD personnel must have current qualifications identified by their military unit.

4.1.6 Visitors must have training required to enter high-hazard areas and will be escorted at all times.

4.2 PERSONNEL REQUIREMENTS

4.2.1 First aid and CPR training.

4.2.2 Other training refreshers and re-certifications as required for 4.1.3 above.

4.3 PERSONAL ACCOUNTABILITY

4.3.1 Accountability is the key element of any safety program and environment. Personnel will be held accountable (via counseling or disciplinary action) for failure to follow relevant safety procedures, but it is equally important that you prevent others from endangering themselves or fellow workers. If your actions or inaction result in injury to a fellow worker, you could face dismissal.
4.3.2 Supervisory staff who fail to encourage a safe work environment or enforce safety protocols will be subject to disciplinary action and possibly dismissal.

5.0 EQUIPMENT AND SUPPLIES

5.1 TRUCK, PICK-UP, 4WD. Trucks with four-wheel-drive capabilities will be available for use. These vehicles will be used to access all work areas, landing zones, or trailheads. The vehicles will be equipped with tow straps with appropriate capacity and winches also rated appropriately.

5.2 MATERIALS

5.2.1 Tools - All hand tools and mechanical tools, such as chainsaws and weed trimmers used at work sites, will be maintained by the NRM and kept in good working condition with regular maintenance, which must be recorded and stored for reference.

5.2.2 Hazardous materials – All gasoline, oil, and propane will be handled properly and will be stored and disposed of according to their labels.

5.2.3 Supplies – Fence materials, water storage tanks, and other work-related supplies will either be stored at the NRM bases or the Nike Site. They will be transported carefully and used properly in the field.

5.2.4 Pesticides will be properly handled, stored, and maintained by the NRM.

5.3 MOTOROLA RADIOS. Motorola radios will be issued to members of the operations, and at least one radio will be kept on the Range Control frequency at all times as directed by Range Control.

5.4 HELICOPTERS. NRM personnel, contract pilots, and helicopters will be OAS (DOI - Office of Aircraft Services) certified. Bright clothing/reflective markings will be worn for better visibility in the event of an emergency that might require a rescue. The SOP on Helicopter Operations will be followed at all times. The Aviation Standards Office will review remote landing zones semi-annually.

5.4.1 GROUND GUIDES. When performing helicopter operations, one NRM staff person will serve as primary ground guide. He/she will serve as the project coordinator and will be the primary contact person between the NRM, the helicopter pilot, and Range Control.
6.0 **UXO AND ASSOCIATED RESIDUE.** When EOD personnel identify a hazard, the following will be enforced:

6.1 **UXO PROTOCOL.** When explosive, chemical, propellant, or intact UXOs are identified, a survey marker will mark the location of the UXO. The RDH-OPS-SB Safety Officer will be notified of the presence of the UXO. The EOD technician will determine the proper method of disposal for the UXO.

6.2 **MARKING UXO.** When non-explosive-loaded or ordnance components are located, the EOD technician will take prudent efforts to mark and identify the hazard. Ordnance includes: armor piercing projectiles, empty ejection munitions, spent rocket motors (only if found separated from the warhead), and nonexplosive-loaded training munitions. Only EOD personnel will certify the area is clear and safe before NRM personnel reenter the area.

6.3 **GENERAL SAFE WORK PRACTICES:** Prior to departure, a safety brief will be conducted and include the current risk assessment.

6.3.1 Do not go souvenir hunting.

6.3.2 Do not pick up or disturb unidentified items.

6.3.3 Report all UXOs or unidentified objects to the EOD.

6.3.4 Do not go outside the boundaries of the access routes or work areas.

6.3.5 Do not enter uncleared areas, the Impact Area, or the ICM area.

6.3.6 Do not carry fire or spark-producing devices into the site.

6.3.7 Do not smoke except in areas specifically designated for smoking.

6.3.8 Avoid inhalation or skin contact with explosives.

6.3.9 Remove from the area any person showing effects of explosive poisoning or dermatitis.

6.3.10 Do not allow one person to work alone in remote areas, those contaminated with UXOs or known hazards.

6.3.11 Visitors are prohibited from visiting the site in impact areas unless prior approval and liability release is obtained.
6.3.12 Suspend all operations upon approach of electrical storm or other severe weather conditions.

6.3.13 Do not attempt to extinguish burning explosives or any fire that may involve explosive materials.

6.3.14 If explosive materials and/or vegetation are burning, immediately vacate the area.

6.3.15 All operations will be suspended if so ordered by the Range Officer or designee.

6.3.16 If UXO or suspected UXO is encountered, all operations in the vicinity will cease, the Range Officer will be notified, and the area vacated.

6.4 UXO SAFETY RULES FOR IMPACT AREAS

6.4.1 All NRM staff will follow the lead of EOD in the field.

6.4.2 Only designated NRS, EOD, and trained visitors will be permitted on site during operations in impact areas, and all will wear flak and Kevlar helmets.

6.4.3 Use of CB radios or other radio communications devices rated above five watts output will not be permitted during operations.

6.4.4 All safety precautions related to UXO will be observed. Flak jackets, neck and crotch protectors, and Kevlar helmets will be worn by all personnel working in impact areas.

6.4.5 An EOD technician will be in charge of all UXO clearance operations. Safety responsibilities of the EOD Technician and the RDH OPS-SB Safety Officer during UXO operations are:

6.4.6 When and if required, ensures all barricades are in place prior to the start of any UXO operations.

6.4.7 Ensures all personnel in the area of UXO operations are qualified UXO personnel. All personnel in the area of an UXO operation will follow instructions from EOD.
6.4.8 Ensures adequate emergency fire/rescue, medical, and security support is available as required in 25th ID & USARHAW REG 210-6.

6.4.9 No ICM (Improved Conventional Munitions) designated areas will be entered.

7.0 EMERGENCY RESPONSE AND CONTINGENCY PLANS

7.1 In the event of an emergency, a Ground Accident Report (25th ID(L) & USARHAW FORM VG-GS-01-01-R-E, FEB 01) Part I will be completed and submitted immediately to the DPW Administrative Office, Safety Coordinator. The Safety Coordinator needs to receive the form with time to process for approval through the DPW command structure. DPW then forwards it on to the IFSO. All of these steps must happen within seven hours of the accident. If the Safety Coordinator is not on duty, email the report directly to IFSO (safeadm@schofield.army.mil) or fax 6563740) and cc the DPW Safety Coordinator, the DPW Natural Resource Manager, the Chief of the Conservation and Restoration Branch, the Chief of the Environmental Division, and the Deputy Director of DPW. For fatal or multiple injuries/illnesses call 656-3550/1153/9930. After duty hours, call DOC, 655-8764. The main goal in this initial report is to notify IFSO of the incident so they are aware ASAP. A phone call should also be placed to IFSO, Range Control, and the DPW Natural Resource Manager immediately following the accident so they are aware of the situation. In the event of an evacuation, all personnel in the affected area will be evacuated to a predetermined location.

7.2 An email summary of the accident should also be sent to the Chief of the Environmental Division ASAP. The DPW Natural Resource Manager should be kept abreast of the reporting status. This email can be used to notify the command of the accident if the Environmental Chief and DPW Director deem appropriate.

7.3 Within three duty days of the accident, Part II of the Ground Accident Report will be filed along with the risk assessment for the work project. This should be forwarded through the DPW Admin office for submission to the IFSO. All of these steps must be completed within three duty days of the accident.

7.4 DPW will determine the next steps for the program. For serious incidents, a “stand down” order may be issued, requiring field operations to cease. In some cases, only the field operations related to the activity involved in the accident must be halted. Regardless, RCUH should look to DPW to determine the next steps for the program based on IFSO recommendations and post-incident investigations.