

7 SEPTEMBER 2003

Safety

JACKS VALLEY TRAINING COMPLEX (JVTC)



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This instruction implements AFD91-2, Safety Programs, by defining limits, users, and uses for the training areas in Jacks Valley at the United States Air Force Academy (USAFA). It describes how to request its use and defines the safety and training standards before and during use. This instruction applies to military organizations and civilian organizations. See **Attachment 1** for a glossary of references and supporting information.

SUMMARY OF REVISIONS

This document has been revised. The major change is the responsibility for scheduling and obtaining approval use of the Jacks Valley Training Complex resides with 34th Training Wing Facility Manager, 34 TRW/SDCF. Paragraph **8**. has been added to reflect this change. All weather advisory's or warnings notifications will be changed from the 34th Training Wing Operations Center (34 TWOC) to USAFA Command Center. Paragraphs whose content changed are preceded by an (I).

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1. General Information:

1.1. Jacks Valley Training Complex (JVTC):

1.1.1. The JVTC is a military training facility consisting of the firing ranges, the Field Engineering Readiness Laboratory (FERL), Base Training Facility (BTF), and other training areas and facilities located in the Jacks Valley area of USAFA.

1.1.2. Military and civilian organizations and authorized individuals who seek realistic training settings or firing range training may use areas in the JVTC for official training. Recreational use is prohibited. The 34th Training Wing Commander (34 TRW/CC) is the owner of the JVTC. 34th Training Wing Support Division Cadet Support Branch (34th TRW/SDC) is the approval authority for use of JVTC. Scheduling the use of JVTC is the responsibility of 34 TRW/SDCF. Course training, daily operational control and usage of JVTC responsibilities belong to the Superintendent of the JVTC (34 TRS/DOOJ). The 10th Security Forces (10 SF) controls the firing range. Civil and Environmental Engineers (HQ USAFA/DFCE) controls FERL.

1.1.3. Pyrotechnics, blank ammunition, and weapons may be used to provide realistic training. These items must be identified on the initial request to allow for coordination and approval.

1.2. Leadership Reaction Course (LRC):

1.2.1. The LRC is an outdoor laboratory, which provides group members experience in functional leadership, effective followership, teamwork, and group and individual problem solving.

1.2.2. The LRC consists of 12 scenarios. Scenario 4 is off-limits to all users except the Cadet Wing. The LRC is off-limits to USAFA cadets except during Basic Cadet Training (BCT), 34th Training Wing (34 TRW) or Dean of the Faculty (DF) sponsored events.

1.2.3. Users must have trained facilitators on file with the 34 TRS/DOOJ.

1.3. Confidence Course:

1.3.1. The confidence course is designed to motivate and build confidence. The confidence course is not time-driven; team and group leaders should encourage completion-not speed.

1.3.2. The confidence course consists of 21 obstacles, which vary in height and difficulty. Obstacles 9, 18, and 21 are off-limits to all users except the Cadet Wing.

1.3.3. Users must have trained facilitators on file with 34 TRS/DOOJ.

1.4. Obstacle Course:

1.4.1. The obstacle course is a tough and physically challenging course. The design is simple and safe, allowing for it to be run for time under externally imposed physical pressure. Users completing the obstacle course should experience a sense of self-discipline, singleness of purpose, accomplishment and pride in themselves.

1.4.2. The obstacle course consists of 17 obstacles, with 3 water hazards.

1.4.3. Users must have trained facilitators on file with 34 TRS/DOOJ.

1.5. Assault Course:

1.5.1. The assault course is a bayonet and assault training facility.

1.5.2. The assault course consists of 14 obstacles and has pits for pyrotechnics strategically placed throughout.

1.5.3. Users must have trained facilitators on file with 34 TRS/DOOJ.

1.6. **Base Training Facility (BTF):**

1.6.1. The BTF is a collective of buildings used for urban assault scenarios.

1.6.2. Use of the BTF must be coordinated through Combat Survival Training Flight (34 TRS/DOOC) at DSN: 333-4460.

1.7. **Encampment Area:**

1.7.1. Cadet encampment area is used as a bivouac site and normally serves as the center of operations.

1.7.2. There are kitchens, warehouses, latrines, and hardbacks in the encampment area. The hardbacks have electricity and phone lines. Unless other arrangements are made, non-USAFA units will provide their own tents and phones.

1.8. **Responsibilities for Managing and Operating the JVTC.** The Commander, 34th Training Squadron (34 TRS/CC), through the JVTC Superintendent directs JVTC operations. Scheduling of Jacks Valley is the responsibility of the 34 TRW/SDCF.

1.9. **Changing This Instruction.** Forward recommendations for changes to this instruction to:

Director, 34th Support Division Squadron

2354 Fairchild Drive, Suite 4A2

USAF Academy, CO 80840-6264

2. **Request Procedures:**

2.1. **Authorized Users.** JVTC will be used for official training only; all recreational activities are prohibited in the training area. The following list details the order of priority for using the complex:

2.1.1. Cadet Wing (34 TRW).

2.1.2. USAFA Readiness-Tasked Organizations (10th Medical Group (10 MDG), 10th Civil Engineer Squadron (10 CES) etc.

2.1.3. All other USAFA Agencies or Users.

2.1.4. USAFA-Sponsored Activities.

2.1.5. Air Force Active-Duty Units (non-USAFA).

2.1.6. Other Department of Defense (DoD) Active-Duty Units.

2.1.7. Air Force Reserves and Guard Units.

2.1.8. Other DoD Reserves and Other Service Guard Units.

2.1.9. Air Force Reserve Officers Training Corps (ROTC) Units.

2.1.10. All Other Service ROTC Units.

2.1.11. Other Federal Agencies.

- 2.1.12. State or Local Agencies.
- 2.1.13. Civil Air Patrol.
- 2.1.14. All Junior ROTC.
- 2.1.15. All other authorized civilian organizations.

2.2. **Special Allocations:**

- 2.2.1. For the purpose of Cadet Training, the 34 TRW is scheduled as the sole user of the training complex from 1 May through 10 August annually and parents' weekend (first weekend in September).
- 2.2.2. HQ USAFA/DFCE is designated the sole user of FERL from 1 June through 30 June annually. HQ USAFA/DFCE is the approval authority for any requests to use the FERL site during any other timeframe.
- 2.2.3. During hunting seasons 1 Nov through 31 Jan, use of the JVTC will be curtailed. These dates are designated by the USAFA Environment Flight.

2.3. **Scheduling Use of the JVTC:**

2.3.1. Submit requests to reserve and schedule JVTC areas or facilities on USAFA Form 33, **Request to Use Jacks Valley Training Complex**. If you have an af.mil address, this form (must have FormFlow loaded in order to open) is available electronically via <http://www.usafa.af.mil/scs/afapbf.htm>. If you don't have access, you will need to contact 333-2521 to obtain the form. Approval of a request only allows the user the use of the JVTC. It does not approve any support requirements. Requests for support (i.e., latrine service, tents, food) must be submitted to Logistics Readiness Branch (10 MSG/LGRR). Use of the JVTC and any logistical support from 10 MSG/LGRR requires a formal support agreement for organizations in priorities 5-15 indicated in paragraph 2.1. The formal support agreement process must be completed before using the JVTC. Units with approved training complex reservations may be pre-empted by units with a higher priority. Training reservations will become firm and will not be pre-empted 21 days prior to the approved training date. **Exception:** Cadet Wing training can potentially bump any unit 7 days before its training date.

2.3.2. The 34 TRW/SDCF will reschedule units that are pre-empted by a Cadet Wing activity as soon as possible after the completion of the Cadet Wing activity.

2.3.3. Direct any appeal through the 34 TRW/SDCF.

2.3.4. Telephone coordination before submission of the written request is recommended to determine training area and facility availability. Telephone reservations will not be accepted.

2.3.5. Contact may be made by:

Telephone: DSN: 333-9205/2470, fax 333-6356, for questions concerning JVTC,
DSN 333-2521/2522, fax 333-2726, for the scheduling of Jacks Valley.

Commercial: (719) 333-9306/2470 and (719) 333-2521/2522

Writing: 34th Support Division

ATTN: 34 TRW/SDCF

2354 Fairchild Drive, Suite 4A2
USAF Academy, CO 80840-6264

2.3.6. All written requests must be on the USAFA Form 33. Specify which portions of the JVTC you wish to use, purpose of training, and a schedule of events. This form only approves use of the JVTC. It does not approve any logistical support.

2.3.7. The JVTC will not be used under any circumstances without the written permission of the 34th Training Wing Support Division (34 TRW/SD) or designated representative.

2.3.8. If a unit has not been trained or is unfamiliar with the terrain and facilities, the commander or his or her representative must call the 34th Training Squadron (34 TRS) and coordinate a familiarization briefing and tour prior to use of the JVTC. See [Attachment 2](#) and [Attachment 3](#) for list of terrain and facilities.

2.4. Facility Use License (FUL):

2.4.1. A FUL is used to grant temporary use of Air Force Real Property. This process takes 30 days to accomplish. The JVTC and all the courses are considered real property. A FUL is not required if a support agreement is initiated through 10 MSG/LGRR 333-3483.

2.4.2. All non-active duty users (priorities 7-15, paragraph [2.1.1.](#)) must sign a FUL before using the JVTC, if a formal support agreement does not exist. A copy of the approved USAFA Form 33 will be given to Real Property (10 CES/CERR) 30 days prior to initiate the license process.

2.4.3. A FUL may also be used to request chemical toilets and dumpsters. All other support must be requested via a support agreement or a Memorandum of Agreement with the appropriate agency.

2.5. Support Agreement:

2.5.1. A support agreement is required for all non-USAFA users who will use the JVTC on a recurring basis. The support agreement grants permission to use the JVTC and will specify all of the support required from USAFA organizations. It will also identify the user requirements and basis for reimbursement for support requested in the agreement.

2.5.2. Dates will not be specified in the support agreement; items addressed will be how many sessions a year and duration of each session. A USAFA Form 33 will be required 60 days prior to reserve dates. The user must coordinate with any other support agencies involved to ensure support will be available.

2.5.3. The customer must initiate all formal support agreements. Send requests to the Support Agreement Manager, (719) 333-3483.

10 MSG/LGRR

8110 Industrial Drive, Suite 103

USAF Academy, CO 80840-2321

2.5.4. The agreement process may take up to 120 days. If training is scheduled before the completion of the formal support agreement, organizations may still use the JVTC.

2.6. Liability Waiver and Hold Harmless Agreement:

2.6.1. A Liability Waiver and Hold Harmless Agreement is an agreement between individuals using the JVTC and USAFA. The individual accepts responsibility for personnel injury that may result from using the JVTC and agrees to hold the Air Force harmless.

2.6.2. All non-active duty personnel must sign a Liability Waiver and Hold Harmless Agreement and submit it to the 34 TRW/SDCF prior to using any portion of the JVTC. The unit commander is responsible for ensuring that every member of his or her unit has completed the agreement and has given to the 34 TRW/SDCF before entering the training complex. The Liability Waiver and Hold Harmless Agreement is at [Attachment 4](#). If a member is under the age of 18, the Liability Waiver and Hold Harmless Agreement (minors) must be completed. This agreement is at [Attachment 5](#). There are no exceptions.

2.7. Waivers:

2.7.1. All applications for waivers of any portion of this instruction must be submitted, in writing, to the 34 TRW/SD at the same time the request is submitted.

2.7.2. Waivers must be approved by the 34 TRW/SD, in writing. This document must be present during training.

2.8. Cancellations:

2.8.1. Seventy-two hour notification is required to 34 TRW/SDCF Facilities Manager unless an emergency arises. Sessions may be rescheduled with approval of the 34 TRW/SDC

2.8.2. 34 TRS may cancel use of the JVTC due to weather, lack of proper documentation, or unsafe acts. Cancellations due to weather may be rescheduled. All other cancellations will be rescheduled as dates become available.

3. Operation Procedures:

3.1. **Courses** . Requirements to use the confidence course, leadership reaction course, assault course, or obstacle course are as follows:

3.1.1. All users must have an adequate number of trained facilitators on site to safely conduct the course.

3.1.1.1. The JVTC Superintendent conducts LRC facilitator training.

3.1.1.2. An Air Force Form 483, **Certificate of Competency**, will be issued to each person receiving training. Course certification is good for 3 years.

3.1.1.3. A list of personnel to be trained will be given to the JVTC Superintendent prior to scheduled training. This list will be placed in the unit's file and will be used to fill out the AF Form 483. The list must include the name and location of the unit, course to be trained, and the full name (last, first, middle initial) and personnel's rank.

3.1.2. The user and the JVTC Superintendent will accomplish a walk through of the course prior to use. The safety of the course and the knowledge of the facilitators will be evaluated. The JVTC Superintendent may close all or part of the course at any time.

3.1.3. The user must have a copy of the course's Training Guide, *Jacks Valley Training Course Guide*. A copy of the Training Guide may be obtained from the JVTC Superintendent. The course

must be operated in accordance with the guide. Failure to do so will result in expulsion from the JVTC.

3.1.4. The user is responsible for cleaning up the course after use and reporting any damages to the JVTC Superintendent. User may be billed for damages incurred.

3.2. **Encampment Area:**

3.2.1. Tents may be set up on any of the hardbacks, in any of the squadron areas. 34 TRS must approve the set up for safety and multiple users. External users will not use the wooden tent floors located in the squadron areas.

3.2.2. There are 9 latrines in the encampment area. From September through April, the only latrine that is open is building 1071. If additional latrines are required, the user will arrange for chemical portable toilets. The use of field latrines, urinals, etc., is prohibited.

3.2.3. The encampment area also contains kitchens and warehouses. Use of kitchens must be coordinated with a support agreement through 10 MSG/LGRR. The warehouses are dedicated to support summer programs and will not be opened up to external users without approval.

3.2.4. Cooking in the encampment area is allowed if standard cooking appliances are used. This may include outdoor stoves and barbecues. 34 TRS must approve the cooking appliance. Open fires or smoking in JVTC is prohibited.

3.2.5. There is one dumpster in the encampment area. All trash must be policed up and placed inside the dumpster. Any trash that will not fit in the dumpster must be taken out of the JVTC. Do not leave it next to the dumpster. Additional dumpsters may be arranged via the support agreement process. All dumpsters used for food must be bear proof.

3.3. **Vehicles:**

3.3.1. Only authorized vehicles are allowed in the JVTC. Authorized vehicles are those that are listed on the USAFA Form 33 and those belonging to USAFA personnel with official business. The parking area east of the encampment area will be used for vehicles that are not identified on the USAFA Form 33.

3.3.2. All terrain vehicles (ATV) and armored and tracked vehicles are prohibited, except for static display at the Operation Warrior training area during BCT and official business.

3.3.3. All vehicles must be operated by a licensed driver, and posted speed limits must be adhered to.

3.3.4. Off-road driving and parking is prohibited. All vehicles will remain on established roads except for responding emergency vehicles or USAFA Environmental Flight vehicles requiring access. Parking is authorized on approved parking areas only. Parking is not allowed in forested areas or on grasslands.

3.4. **Equipment:**

3.4.1. All user brought equipment must be identified on the USAFA Form 33. Do not identify individual equipment items.

3.4.2. Equipment may be borrowed from USAFA via a support agreement, if available.

3.4.3. All equipment must be removed at the end of the exercise. The Air Force may claim equipment that is abandoned or charge the user for its removal. If severe weather prohibits equipment from being removed, it will be removed at the earliest opportunity.

4. Pyrotechnics and Weapons:

4.1. Request Procedures:

4.1.1. Pyrotechnics (for example blank ammunition; ground burst simulators, smoke canisters) coordination on the USAFA Form 33 is mandatory and includes the organizations listed in paragraph 4.1.2.

4.1.2. Units must include a training or exercise plan describing how, where, and when the pyrotechnics or weapons will be used. If the 34 TRW/SDC approves the use of JVTC, the user is required to complete the following coordination's, obtain 10th Air Base Wing Commander (10 ABW/CC) approval and provide the approved documents to the JVTC Superintendent prior to use of JVTC and pyrotechnics:

4.1.2.1. Fire Department (10 CES/CEF) to ensure adequate fire prevention equipment is available and to establish check-in and fire notification procedures.

4.1.2.2. Resource Protection Section (10 SFS/SFO) to ensure protection of USAF Academy assets.

4.1.2.3. Environmental (10 CES/CEV) to ensure protection of environmental resources.

4.1.2.4. Staff Judge Advocate (HQ USAFA/JA) to ensure the operation is legal.

4.1.2.5. Safety (HQ USAFA/SE) to coordinate training and receive current policy directives as required.

4.1.2.6. 10 ABW/CC for approval.

4.2. **Storage.** If pyrotechnics are being stored or ordered via USAFA resources, coordinate with Munitions Section (10 MSG/LGRDS) 60 days prior to intended use and 48 hours prior to pick up.

4.3. Training:

4.3.1. Personnel who handle pyrotechnic and munitions must be trained on safe and proper use.

4.3.2. Training may be conducted by one of the following agencies:

4.3.2.1. 764 Explosive Ordnance Disposal (EOD), Ft. Carson, CO, commercial 526-2643.

10th Security Forces Training (10 SFS/SFTT) USAF Academy, CO, DSN 333-2192 (Munitions training only).

4.3.2.2. 34 TRS, USAF Academy, CO, DSN 333-2079.

4.4. Operating Procedures:

4.4.1. The Explosive Safety Standard for all activities within the JVTC is Air Force Manual 91-201, *Explosives Safety Standards*.

4.4.2. All Air Force personnel will comply with AFI 31-207, *Arming and Use of Force by Air Force Personnel*. Other Department of Defense personnel will comply with their service equivalent. Non-DoD personnel will comply with the standards set forth by the 34 TRW Commander.

- 4.4.2.1. Only Federal Stock Listed items are authorized for use.
 - 4.4.2.2. Transport pyrotechnics in approved vehicles.
 - 4.4.2.3. Only trained personnel are allowed to handle pyrotechnics.
 - 4.4.2.4. Personnel will use protective equipment; i.e., gloves, hearing and eye protection.
 - 4.4.2.5. Call 333-2473 to have appropriate fire extinguishers on hand during use.
 - 4.4.2.6. Notify 10th Civil Engineering Fire Department (10 CES/CEF) at 333-4433 of intent to use pyrotechnics to confirm that fire conditions are acceptable. If the fire threshold is too high, 10 CES/CEF has the authority to prohibit the use of pyrotechnics.
 - 4.4.2.7. No pyrotechnics will be used after 2000hrs, May through September; or after 1800hrs, October through April. No pyrotechnics will be used when a high fire threshold is determined by 10 CES/CEF.
 - 4.4.2.8. All malfunctioning pyrotechnics must be left alone, phone 764 EOD at 526-2643 for removal and notify 34 TRS/DOOJ at 330-5517.
 - 4.4.2.9. All disposed pyrotechnics will be disposed by certified explosive ordnance personnel at the explosive ordnance disposal site. See [Attachment 6](#)
 - 4.4.2.10. Police up all expended pyrotechnics and return to proper reclamation center or storage facility.
 - 4.4.2.11. Notify 34 TRS (333-2470) of any mishaps.
 - 4.4.2.12. In case of emergency, contact 911 or, if using a cellular telephone, dial 333-2117.
- 4.4.3. The use of live ammunition is restricted to the firing range.
- 4.4.4. Agencies given permission to use pyrotechnic devices or munitions in the JVTC are responsible for their safe use and compliance with the applicable portion of this instruction.
- 4.4.4.1. Safety violations will cause termination of the exercise in progress.
 - 4.4.4.2. Any safety violation or any activity which could endanger personnel or property may result in disciplinary measures.
 - 4.4.4.3. Anyone who observes a safety violation or unsafe condition must immediately suspend the exercise and notify the exercise commander immediately. Once notified, the exercise commander must correct the situation prior to reengagement. The user has the responsibility to notify the 34 TRS at the earliest opportunity. Failure to accomplish proper notification may result in the termination of the exercise and future suspension from the JVTC.
- 4.4.5. 34 TRS/CC has the authority to prohibit or suspend the use of pyrotechnics anytime it is determined that continued use is unsafe due to conditions or procedures.
- 4.5. Weapons Handling Procedures.** All areas used for training within the JVTC, excluding Combat Arms, must have clearing barrels on site to clear weapons.
- 4.5.1. Clearing Procedure for the M-16 Rifle:
 - 4.5.1.1. Place muzzle in clearing barrel.
 - 4.5.1.2. Ensure weapon is on safe.

4.5.1.3. Remove magazine.

4.5.1.4. Pull bolt to the rear and visually inspect the chamber for rounds.

4.5.2. Clearing Procedures for the M9 Pistol:

4.5.2.1. Point weapon into clearing barrel.

4.5.2.2. Move the safety/de-cocking lever to the safe (down) position.

4.5.2.3. Remove the magazine from the pistol.

4.5.2.4. Move slide to the rear; catch ejected round, lock the slide back (open).

4.5.2.5. Visually inspect the pistol to ensure the chamber and receiver are clear and the safety and de-cocking lever is in the safe position.

4.5.3. Exceptions to the Cleared Requirement:

4.5.3.1. Any weapons required for direct security of munitions or other weapons.

4.5.3.2. Any weapons used in training demonstrations in the compound area.

4.6. **Deviations:** During use of munitions, deviations from established procedures will not be tolerated and will result in immediate termination of the exercise until proper corrective action is taken.

5. Mishap Procedures:

5.1. Fires:

5.1.1. Call 911, (333-2117 from a cell phone) to immediately report any fire, regardless of size or intensity, as soon as it is observed. Evacuate the vicinity and do not attempt to extinguish if pyrotechnics are nearby.

5.1.2. Send a guide to the nearest entrance road to await emergency response teams.

5.1.3. If safety permits, attempt to extinguish the fire.

5.1.4. Suspend all training until the fire department has cleared the area.

5.1.5. Notify 34 TRS within 2 hours.

5.2. Serious Injury and Incidents:

5.2.1. If an accident or serious incident occurs, take the following steps:

5.2.1.1. Cease training immediately.

5.2.1.2. Arrange for on-site medical personnel to evaluate the extent of injuries and, call 911.

5.3. **Mishap Reporting.** A mishap is defined as any personal injury, damage to government property or equipment, or any inadvertent detonation of munitions items.

5.3.1. General Reporting. Report all safety mishaps to the 34 TRS within 2 hours—this includes minor injuries or damage not covered in paragraph 4. Any safety mishap must also be reported to HQ USAFA/SE via the USAFA Form 49, **Mishap Worksheet**, also available electronically.

5.3.1.1. The unit will provide the JVTC Superintendent with a written account of the incident. This will be done on the USAFA Form 49 or a separate sheet of paper.

5.3.1.2. The JVTC Superintendent will conduct an on site inspection and forward the USAFA Form 49 to HQ USAFA/SE.

5.3.2. Involving a Cadet. Any incident involving a USAFA cadet, notify the 34 TWOC immediately. The 34 TWOC will follow established notification procedures as situation dictates.

5.4. Hazardous Spills:

5.4.1. Any spill of fuels or hazardous material or wastes shall be reported immediately to the fire department (911).

5.4.2. Spill clean up is the responsibility of the organization causing the release. The Environmental Flight can provide clean up materials and fulfill reporting requirements (333-4483).

6. Inclement Weather:

6.1. Thunderstorms:

6.1.1. Thunderstorm activity is likely in the late afternoon during the summer months at USAFA. Thunderstorms can be detected by the increase in dark cumulonimbus (storm) clouds.

6.1.2. The USAFA Command Center using weather reports obtained from base weather as well as information from an Electrical Storm Identification Device (ESID) will monitor for increasing thunderstorm activity.

6.1.2.1. The USAFA Command Center will notify all units in the JVTC and Saylor Park of a thunderstorm watch. While Global Engagement (GE), BCT, and Combat Survival Training (CST) are in operation, USAFA Command Center will notify the respective command posts. During the rest of the year, notify 34 TRS, unless given other instructions from 34 TRS.

6.1.2.2. The USAFA Command Center will notify all units in the JVTC and Saylor Park of thunderstorm warnings. The notification will include details known about the thunderstorm (direction of travel, speed, whether or not hail is present, wind speed, etc.). While GE, BCT, and CST are in operation, they will notify the respective command posts. During the rest of the year, notify 34 TRS, unless given other instructions from 34 TRS. If it is determined there is thunderstorm activity within 10 miles of a program, the program will notify USAFA Command Center. At this point, the thunderstorm watch will be upgraded to a warning and the other programs will be notified.

6.1.3. Thunderstorms may be accompanied by lightning, heavy rains, high winds, and hail. Heavy rains may produce flash floods.

6.1.4. When a thunderstorm watch is issued, personnel will be assigned as weather spotters. All equipment will be secured to minimize the potential for damage, and training will continue.

6.1.4.1. When a thunderstorm warning is issued, all training will stop and personnel will seek the shelter determined by their program director. 34 TRS/CC, or designated representative, has the authority to override thunderstorm warnings.

6.2. Tornadoes:

6.2.1. Tornadoes along the Front Range usually occur during thunderstorm development. The peak months are May-July. Tornadoes are likely to develop when the sky becomes dark green. A

wall cloud will form. Large hail may occur. A large roar, similar to a freight train accompanies a tornado.

6.2.2. The USAFA Command Center using weather reports obtained from base weather will monitor tornado watches and warnings.

6.2.2.1. The USAFA Command Center will notify all units in the JVTC and Saylor Park of a tornado watch. While GE, BCT, and CST are in operation, they will notify the respective command posts. During the rest of the year, notify 34 TRS, unless given other instructions from 34 TRS. This will alert the units to watch for developing storms and to take initial resource protection steps. USAFA Command Center will also notify base transportation, so they can prepare to evacuate JVTC and Saylor Park.

6.2.2.2. The USAFA Command Center will notify all units in JVTC and Saylor Park of a tornado warning. The notification will include all details that are known about the tornado or funnel cloud (direction of travel, speed, size, etc.). While GE, BCT, and CST are in operation, they will notify the respective command posts. During the rest of the year, notify 34 TRS, unless given other instructions from 34 TRS. If one of the summer programs spots a funnel cloud or tornado, the program will notify USAFA Command Center. At this point, the tornado watch will be upgraded to a warning and all programs will be notified.

6.2.3. When a tornado watch is issued, personnel will be assigned as weather spotters. Equipment will be secured to minimize the potential for damage. Training will continue.

6.2.3.1. When a tornado warning is issued, all training will cease and personnel will seek the shelter determined by their program director.

6.3. Heat:

6.3.1. Periods of hot weather cause concerns. As the temperature increases, so does the chance of heat related injuries. Heat related injuries include heat cramps, heat exhaustion, and heat stroke. The chance of accidental fires also increases.

6.3.2. Each summer program will monitor the Wet Bulb Globe Temperature (WGBT). External users will be notified by USAFA Command Center or 34 TRS. The fire department is responsible for monitoring the fire hazard.

6.3.2.1. Each summer program will be responsible for notifying their personnel in accordance with applicable Air Force Cadet Wing Instruction (AFCWI) 91-501, *Cadet Wing Safety Program*.

6.3.2.2. Fire department will notify the USAFA Command Center, and they will notify all units in JVTC and Saylor Park when the fire danger is high. While GE, BCT, and CST are in operation, they will notify the respective command posts. During the rest of the year, 34 TRS will coordinate all activities that present a fire hazard with the fire department. Summer programs will provide the base fire department with a schedule of the activities that present a fire hazard. This will include, but is not limited to, all use of pyrotechnics.

6.3.3. External users will ensure drinking water is readily available to participants. This will be arranged for prior to the training date.

6.3.4. When the fire danger is high, training with pyrotechnics may continue after a plan is reached with the base fire department and 34 TRS/CC approves.

6.4. Wind:

6.4.1. High winds can cause damage to structures and can create a flying debris hazard. During periods of cold weather, the wind chill must be considered.

6.4.2. The USAFA Command Center will monitor wind speed using weather reports obtained from base weather.

6.4.2.1. When the constant wind speed reaches 30 knots, units in JVTC and Saylor Park will be notified by USAFA Command Center. While GE, BCT, and CST are in operation, USAFA Command Center will notify the respective command posts. During the rest of the year, notify 34 TRS unless given other instructions from 34 TRS. USAFA Command Center will keep units updated on the actual and expected wind speed until the wind speed falls below 30 knots.

6.4.2.2. When the actual temperature is 15 degrees Fahrenheit or lower and the wind speed is 24 knots or greater, the USAFA Command Center will monitor the wind chill and notify 34 TRS.

6.4.3. Ensure all equipment is secured upon notification of high winds. The following applies to all users other than the Cadet Wing. AFCWI 91-501 will be followed by USAFA Cadets conducting operations in the JVTC:

6.4.3.1. During cold weather ensure personnel have adequate protective clothing.

6.4.3.2. When the constant wind speed exceeds 50 knots, terminate all outdoor training. Do not use tents for shelter.

6.4.3.3. When the wind chill reaches -25 degrees Fahrenheit terminate outdoor training.

6.5. Winter Weather:

6.5.1. Snow and ice create a very hazardous environment on the courses. Large amounts of snow or ice have the potential to close roads.

6.5.2. The USAFA Command Center using weather reports obtained from base weather will monitor winter storm watches and warnings. The USAFA Command Center will notify 34 TRS of expected snowfall or ice.

6.5.3. 34 TRS/CC has the authority to cancel training due to inclement weather. Courses will not be used when they are wet. Other types of training may continue as long as access to JVTC exists. If it looks like the roads will become impassable, all units will evacuate the JVTC.

7. 34th Training Squadron's Responsibilities:**7.1. Commander:**

7.1.1. Terminate exercises due to inclement weather, lack of documentation, or unsafe acts.

7.1.2. Approval authority for use of outdoor cooking appliances.

7.1.3. Will determine if it is safe to use pyrotechnics on the day of scheduled use based on inputs from the base fire department.

7.1.4. Serve as the chairperson for the Jacks Valley Working Group Committee.

7.2. Jacks Valley Training Complex, Superintendent:

7.2.1. Conduct facilitator training on courses and tours.

7.2.1.1. Conduct facilitator training for units with a pending request on the assault, confidence, obstacle, and leadership reaction course. Certification is good for 3 years.

7.2.1.2. Keep a list of certified facilitators for each course, include name, rank, and course.

7.2.1.3. Issue an Air Force Form 483 to each facilitator. Conduct spot checks to ensure facilitators have the AF Form 483 while facilitating a course.

7.2.1.4. Conduct JVTC tours with 34 TRS/CC approval. Distinguished Visitor (DV) tours, notify 34 TRW/CC.

7.2.2. Ensure all documentation is complete and in order prior to the beginning of the event. The JVTC Superintendent has several responsibilities during the event as follows:

7.2.2.1. Conduct a pre-inspection of the facilities to be used with the user. Make sure the course is safe for use and that there are trained facilitators available. If either of these conditions is not met, cancel the event.

7.2.2.2. Be available during the course of the event by telephone.

7.2.2.3. Monitor the weather. If conditions become unsafe, instruct the user to take the necessary precautions in accordance with paragraph 6.

7.2.2.4. Upon notification of a mishap, conduct an on-site investigation. Provide the user with the appropriate documentation and ensure the proper authorities have been notified.

7.2.2.5. Conduct a post-inspection with the user. Make sure the area is clean, equipment is properly stored, and there is not any damage to equipment or the environment. Submit AF Form 332, **Base Civil Engineer Work Request** to 10th Civil Engineering (10 CES).

8. 34th Support Division's Responsibilities

8.1. Cadet Support Branch Chief

8.1.1. Approval authority for tours and the use of JVTC

8.2. Facility Managers Responsibility.

8.2.1. Reschedule exercises that were cancelled due to inclement weather.

8.2.2. Maintain schedule of all planned events and ensure all of the required coordination is done. Initiate and maintain a file for all units using the JVTC.

8.2.2.1. Receive and process USAFA Form 33.

8.2.2.2. Ensure all units, other than USAFA, have a support agreement or a Facility Use License.

8.2.2.3. Ensure personnel, other than active duty, sign a Liability Waiver and Hold Harmless Agreement. Prior to the event, waiver will be placed in the unit's file for a period of 3 years.

9. Forms:

9.1. **Prescribed.** USAFA Form 33, **Request to Use Jacks Valley Training Complex.**

9.2. **Adopted.** AF Form 483, **Certificate of Competency**; AF Form 332, **Base Civil Engineer Work Request**; and USAFA Form 49, **Mishap Worksheet**

John A Weida, Brig Gen, USAF
Commandant of Cadets

Attachment 1**GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****Abbreviations and Acronyms***

ATV—All Terrain Vehicles

BCT—Basic Cadet Training

BTF—Base Training Facility

CST—Combat Survival Training

ESID—Electrical Storm Identification Device

FERL—Field Engineering Readiness Laboratory

FUL—Facility Use License

GE—Global Engagement

JVTC—Jacks Valley Training Complex

LRC—Leadership Reaction Course

USAFA—United States Air Force Academy

WGBT—Wet Bulb Globe Temperature

Terms

Facility Use License—A legal agreement between USAFA and the user of USAFA Facilities. Identifies the specific dates, facilities, and services the user is authorized to use. It will also identify any cost involved.

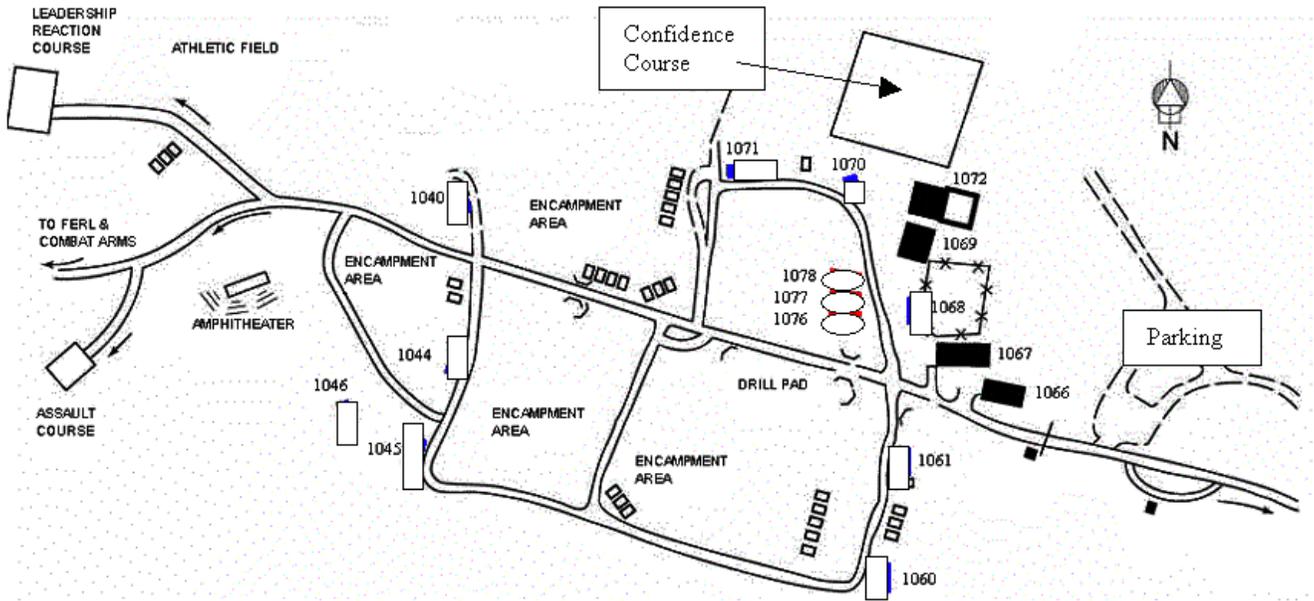
Hardbacks—A permanent frame for tents.

Pyrotechnics—Simulated munitions. Common examples are blank ammunition; smoke grenades, hand grenade simulators, and ground burst simulators.

Support Agreement—A legal agreement between USAFA and the user of USAFA Facilities. It is used when recurring support is required. Dates are not required. Identifies the facilities and services the user is authorized to use. It will also identify any cost involved.

Attachment 2

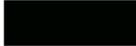
MAP OF EAST JACKS VALLEY



Legend

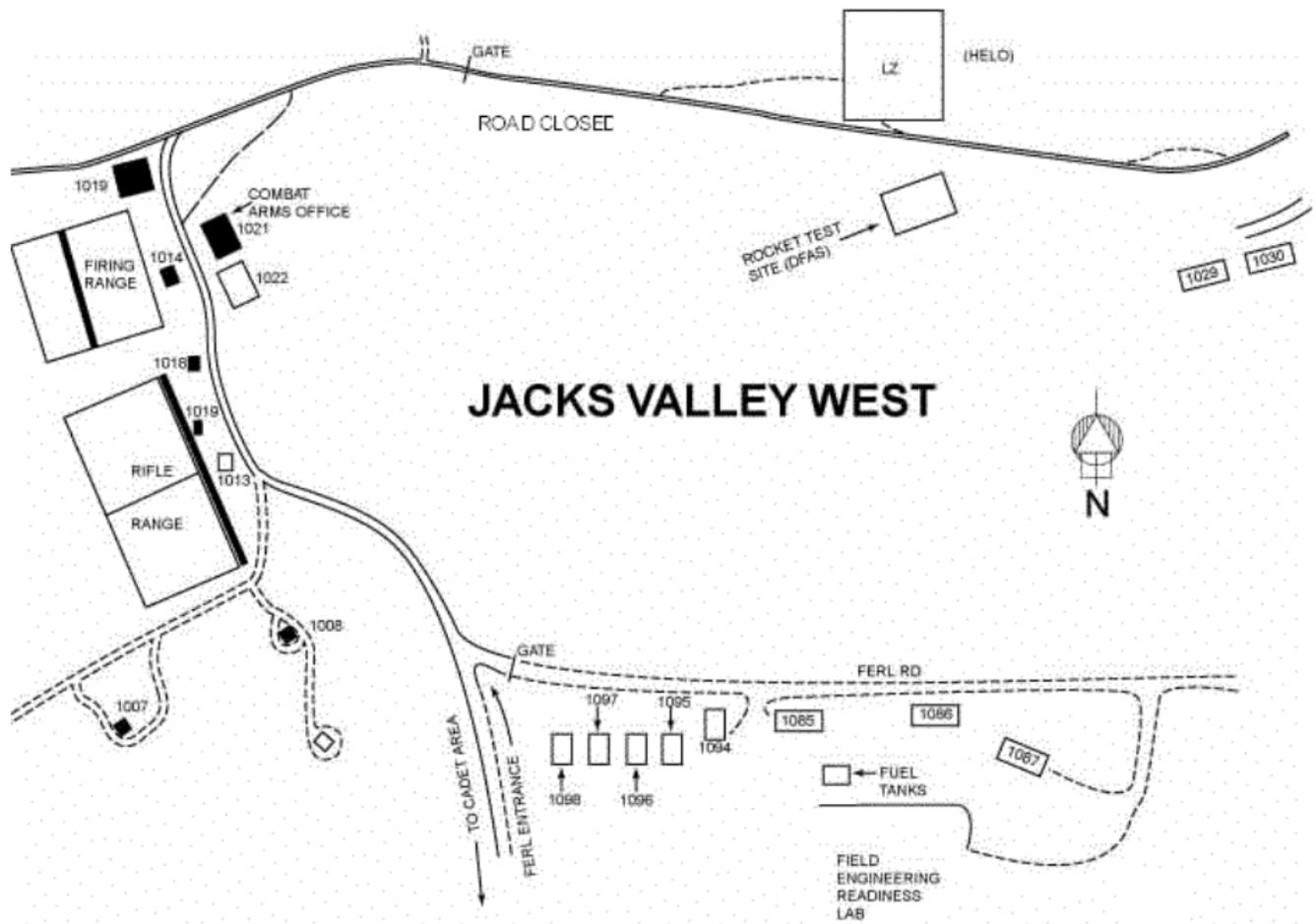
Latrine 

Kitchen 

Warehouse 

Attachment 3

MAP OF WEST JACKS VALLEY



Attachment 4**LIABILITY WAIVER AND HOLD HARMLESS AGREEMENT (ADULTS)**

1. I acknowledge that the use of the Jacks Valley Training Complex at the United States Air Force Academy involves the possibility of physical injury and/or damage to equipment.
2. I HEREBY VOLUNTARILY ASSUME THE RISKS OF USING THE JACKS VALLEY TRAINING COMPLEX AND PARTICIPATING IN ANY TRAINING DONE THERE.
3. In consideration of the United States Air Force Academy allowing me to use the Jacks Valley Training Complex and to train there, I hereby state the following:
 - a. I WAIVE, RELEASE, AND DISCHARGE the United States Air Force, the United States Air Force Academy and any of its officers, employees, representatives, or agents from any and all claims, losses, or liabilities for death, personal injury, partial or permanent disability, property damage, medical or hospital bills, theft, or damage of any kind, including economic losses, which may arise by reason of my participation and/or use of the Jacks Valley Training Complex for training purposes. To the extent possible by law, I hereby fully waive, release, and discharge all parties notwithstanding their own negligent acts or omissions or the negligent acts or omissions of others.
 - b. I agree that I will not bring any action or claim against any of the parties hereby released for any reason associated with the Jacks Valley Training Complex.
 - c. I INDEMNIFY AND HOLD HARMLESS the parties hereby released from any and all claims made or liabilities assessed against them as a result of my participation in training and/or usage of the Jacks Valley Training Complex for training.

I HEREBY AFFIRM THAT I AM EIGHTEEN (18) YEARS OF AGE OR OLDER. I HAVE READ THIS DOCUMENT AND I UNDERSTAND ITS CONTENTS. I ACKNOWLEDGE THE POSSIBLE HAZARDS OF USE OF THE JACKS VALLEY TRAINING COMPLEX FOR TRAINING AND I AM FULLY AND VOLUNTARILY WAIVING ALL LIABILITY THAT MAY ARISE BY REASON OF THIS PARTICIPATION AFTER FULL CONSIDERATION OF THE RIGHTS I AM WAIVING. THIS WAIVER IS IN CONSIDERATION OF MY BEING ALLOWED TO PARTICIPATE IN TRAINING AT THE JACKS VALLEY TRAINING COMPLEX.

Printed Name Signature Date

Attachment 5

LIABILITY WAIVER AND HOLD HARMLESS AGREEMENT (MINORS)

1. I, the undersigned parent/legal guardian of _____ acknowledge that the use of the Jacks Valley Training Complex at the United States Air Force Academy involves the possibility of physical injury or damage to equipment.

2. I HEREBY VOLUNTARILY ASSUME THE RISKS OF _____ (NAME OF PARTICIPANT) USING THE JACKS VALLEY TRAINING COMPLEX AND PARTICIPATING IN ANY TRAINING DONE THERE.

3. In consideration of the United States Air Force Academy allowing _____ (name of participant) to use the Jacks Valley Training Complex and to train there, I hereby state the following:
 - a. I WAIVE, RELEASE, AND DISCHARGE the United States Air Force, the United States Air Force Academy, and any of its officers, employees, representatives, or agents from any and all claims, losses, or liabilities for death, personal injury, partial or permanent disability, property damage, medical or hospital bills, theft, or damage of any kind, including economic losses, which may arise by reason of _____ (name of participant) participation and/or use of the Jacks Valley Training Complex for training purposes. To the extent possible by law, I hereby fully waive, release, and discharge all parties notwithstanding their own negligent acts or omissions or the negligent acts or omissions of others.

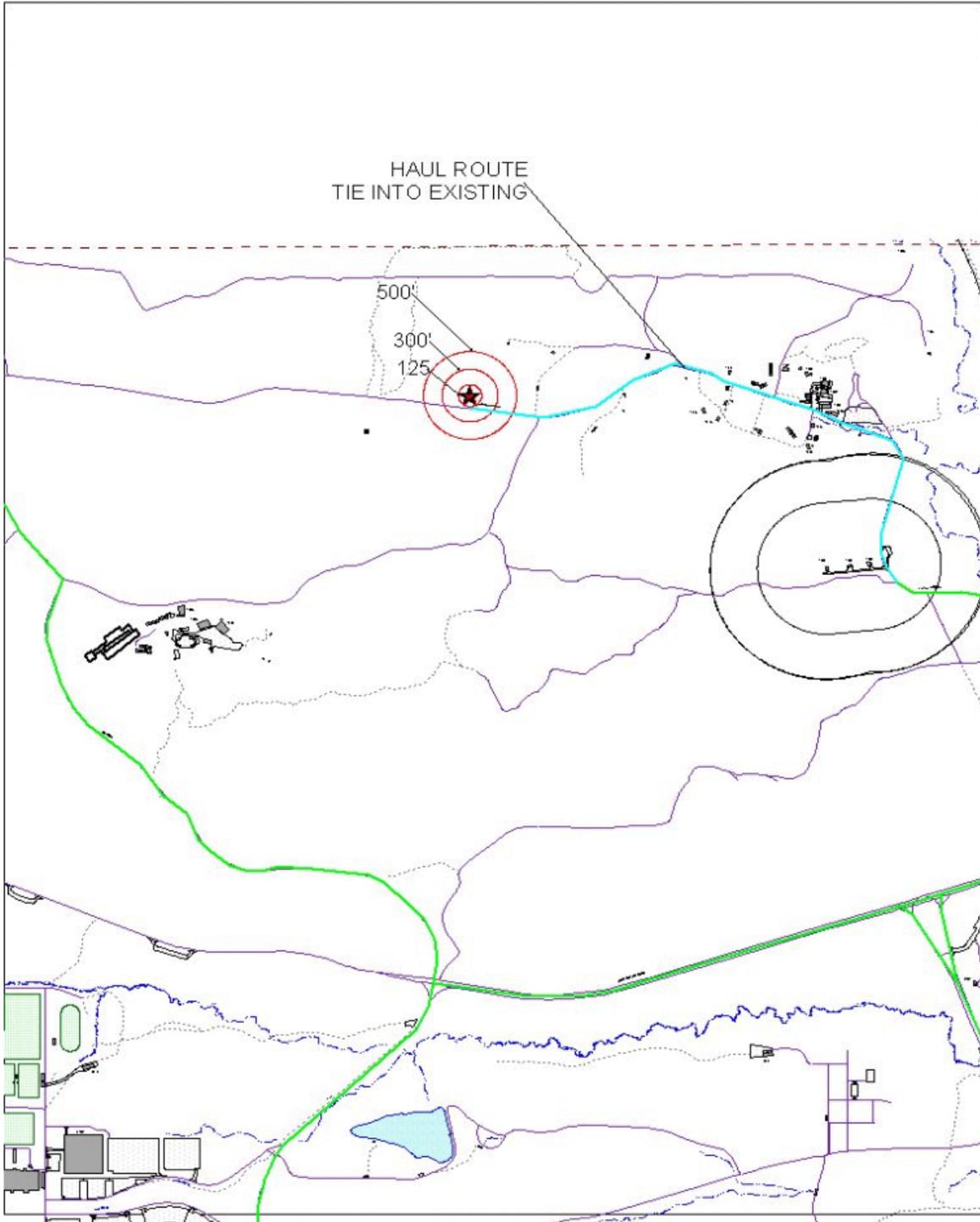
 - b. I agree that I will not bring any action or claim against any of the parties hereby released for any reason associated with the Jacks Valley Training Complex.

 - c. I INDEMNIFY AND HOLD HARMLESS the parties hereby released from any and all claims made or liabilities assessed against them as a result of _____ (name of participant) participation in training and/or usage of the Jacks Valley Training Complex for training.

 - d. Furthermore, the undersigned certifies that he or she is the parent or legal guardian of, and has the authority to sign this release for _____ (name of participant) and agrees that he or she will assume liability for any loss, damage, injury, death, claims, demands, actions or causes of action which may be brought by the above participant, or his/her representative as a result of participating in requested activities.

Printed Name of Parent/Legal Guardian Signature of Parent Date

Attachment 6
DISPOSAL POINT



Grid Coordinates 8.63,S.587