

# ACTIVITY HAZARDS ANALYSIS

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Project: EC-HMQ

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Job: **ATV and Utility Vehicle** Operations

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Risk Assessment Code(RAC):

<b>M</b>
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E = Extremely High Risk  
 H = High Risk  
 M = Moderate Risk  
 L = Low Risk

		P r o b a b i l i t y				
		Frequent	Likely	Occasional	Seldom	Unlikely
S e v e r i t y	Catastrophic	<b>E</b>	<b>E</b>	<b>H</b>	<b>H</b>	<b>M</b>
	Critical	<b>E</b>	<b>H</b>	<b>H</b>	<b>M</b>	<b>L</b>
	Marginal	<b>H</b>	<b>M</b>	<b>M</b>	<b>L</b>	<b>L</b>
	Negligible	<b>M</b>	<b>L</b>	<b>L</b>	<b>L</b>	<b>L</b>

<b>Recommended Protective Clothing &amp; Equipment:</b>
Seat Belts Approved head, eye, hand, foot protection <span style="color: red;">Unlikely, Catastrophic</span>

JOB STEPS	HAZARDS	ACTIONS TO ELEMIMATE OR MINIMIZE HAZARDS	EM 385-1-1 (PARA REF)
General Operations	Death, bodily injury, roll-overs,	<p><b>ALL TERRAIN VEHICLES (ATVS):</b></p> <p>Every ATV operator shall have completed a nationally recognized accredited ATV training course prior to operation (such as provided by the Specialty Vehicles Institute of America or by in-house resources that have been certified as trainers by an accredited organization)</p> <p>The operator must pass an operating skills test prior to being allowed to operate an ATV.</p> <p>The in-house trainer, certified by an accredited organization, must perform at least 1 training session every 3 years to maintain certification. If the accrediting agency requires the trainer to return for refresher training to maintain certification, this shall be in addition to the 1 training session taught every 3 years.</p> <p>All ATVs shall be equipped with:</p> <ol style="list-style-type: none"> <li>a. An adequate audible warning device (horn) at the operator's station in operable condition (if determined necessary for the work being performed); and</li> <li>b. Brake lights in operable condition (regardless of light conditions).</li> </ol> <p>Whenever visibility conditions warrant the need for additional light, all vehicles or combinations of vehicles in use, shall be equipped with at least two headlights and</p>	Section 18.I & J

two taillights in operable condition.

The manufacturer's recommended payload/passenger limitations shall not be exceeded at any time.

Gloves and a DOT-approved motorcycle helmet with full-face shield or goggles shall be worn at all times while operating ATVs. When required for operators, passengers shall wear an approved motorcycle helmet with full-face shield or goggles.

ATVs will not be driven on public roadways except to cross the roadway, and may only be driven on public roadways at designated crossing points or with a road guard (no paved road use unless allowed by the manufacturer).

Only ATVs with four or more wheels may be used.

A copy of the operator's manual will be kept on the vehicle and protected from the elements (if practicable).

Tires shall be inflated to the pressures recommended by the manufacturer.

ATVs shall be equipped with mufflers.

All ATVs shall be equipped with spark arresters.

**UTILITY VEHICLES (e.g., Rangers, Rhino, M-Gators, Gators, and Mules):**

Utility vehicle operators shall be trained. They must be familiar with the use of all controls and understand proper moving, stopping, turning and other operating characteristics of the vehicle. Operators must review all training materials provided by the manufacturer for the specific vehicles, and training should be in accordance with appropriate manufacturer recommendations.

At a minimum, training shall be documented and shall address:

- (1) Basic riding tips from the manufacturer's published literature for each vehicle;
- (2) Reading terrain;
- (3) Climbing hilly terrain;
- (4) Descending a hill;
- (5) Traversing a slope;
- (6) Riding through water;
- (7) Cargo carriers and accessories;
- (8) Loading and unloading;
- (9) Troubleshooting;
- (10) Proper preventative maintenance, i.e., oil levels, tire pressure requirements

and scheduled maintenance requirements according to the manufacturer's guidelines.

A copy of the operator's manual shall be kept on the vehicle at all times and protected from the elements.

Utility vehicles shall be equipped with:

- a. An adequate audible warning device (horn), in operable condition, at the operator's station; and
- b. Brake lights in operable condition regardless of light conditions.

Whenever visibility conditions warrant additional light, all vehicles, or combinations of vehicles, in use shall be equipped with at least two headlights and two taillights in operable condition, a yellow flashing light or equivalent.

Occupancy in utility vehicles is limited to manufacturer designated seating that has built-in seatbelts. Passengers may not ride in the vehicles back cargo area unless the vehicle is otherwise equipped.

***> When used for emergency response, medical litters may be placed in the back cargo area but must be secured as described in 18.J.08.***

The manufacturer's recommended load carrying capacity, personnel capacity, or maximum safe vehicle speed shall not be exceeded at any time.

Cargo items will be secured as necessary to prevent movement/tipping. All loads over 50 lb (22.7 kg)(to include medical litters) must be securely strapped to cargo tie-downs in the rear and to the cargo shelf in the front.

Manufacturer-installed safety equipment will be maintained in working order and used in compliance with the requirement of this regulation and in accordance with manufacturer's recommendations.

Seat belts and anchorages meeting the requirements of 49 CFR Part 571 (DOT, Federal Motor Vehicle Safety Standards) shall be installed in all utility vehicles and will be worn by operators and passengers.

Operators and passengers shall wear goggles at all times when a utility vehicle, not equipped with a windshield, is in motion.

Utility vehicles will not normally be driven on public roadways except to cross the roadway, and will only be driven on a public roadway at designated crossing points or with a road guard.

Utility vehicles that are allowed to operate outside a controlled work area and/or on public roads will meet the minimum vehicle safety standards in accordance with 49 CFR 571.5, to include ROPs, seatbelts, and placement of "Slow Moving Vehicle" emblems where required.

When not equipped with ROPS, operators and passengers of utility vehicles will wear approved head protection (helmet) that at a minimum conforms to DOT 218 standards or equivalent and protective goggles or face shield.