

ROPE RESCUE TECHNICIAN SKILLS

LEVEL II



Reference Source: 2013 NFPA 1006, Technical Rescuer Professional Qualifications

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CERTIFICATION REQUIREMENTS

Rope Rescue Level II

Requirements

In order to certify as a Technical Rope Rescue II (NFPA 1006, Chapter 6, 2013 Edition) program, a firefighter must fulfill the following requirements:

1. Complete fire department (AHJ) entrance requirements.
2. Maintain records of training.
3. Train on the required written and practical objectives.
4. Meet any other training requirements/prerequisites as defined by the Fargo Fire Department Certification Committee.
5. Pass both written and practical skills examinations administered by the Fargo Fire Department Certified Testers. Initial testing is to be completed with Pro Board Credentialed Testers.

The Fargo Fire Department acknowledges the importance of and the need for entrance requirements as listed in the NFPA 1001, *Standard on Fire Fighter Professional Qualifications*.

Physical Fitness Requirements:

The requirements listed in NFPA 1001, Chapter 4 are:

1. Meet the minimum educational requirements established by the Fargo Fire Department or the AHJ.
2. Meet the medical requirements of NFPA 1582, *Standard on Comprehensive Occupational Medical Program for Fire Departments*.
3. Physical fitness requirements for entry-level personnel shall be developed and validated by the Fargo Fire Department or the AHJ. Physical fitness requirements shall be in compliance with applicable Equal Employment Opportunity regulations and other legal requirements.

Emergency Medical Care Requirements

The following additional training requirements **must** be met before certification at the Tech Rope Rescue Level II will be issued by the Fargo Fire Department Certification Committee.

Emergency Medical Care – Candidates for certification at the Tech Rope Rescue Level II must hold a current CPR certification and have received medical training. Medical training should include infection control, bleeding control and shock management.

DEPARTMENT TRAINING

Tech Rope Rescue Level II requires a high level of skill and knowledge. The training given to and received by firefighter candidates should be of the highest quality and degree. All training received must meet the requirements of NFPA 1006, Chapter 6, 2013 Edition and the skills as approved by the Fargo Fire Department Certification Committee contained within the Fargo Standard. All training received must be documented and recorded on the training record. All testing for will be conducted following the policies and procedures of the Fargo Fire Department Certification Committee.

Training for Rope Rescue is conducted at the department level or could be received through a joint training agreement between departments on a regional level. Regardless of where the training is received, it must prepare the candidate to be a competent and effective Rope Rescue Technician Level II.

The course material should be referenced to the following textbooks to prepare the candidate to successfully pass the Tech Rope Rescue Level II certification examination.

Written Objectives

The written objectives for Tech Rope Rescue Level II (Chapter 6) are covered in the following textbooks:

1. NFPA 1006, Rescue Technician Professional Qualifications, 2013 Edition Chapter 6
2. NFPA Standard 1983 Life Safety Rope and Equipment for Emergency Services, 2006 Edition
3. Mosby, High Angle Rescue Techniques, Third Edition
4. Delmar, Engineering Practical Rope Rescue Systems, Michael Brown
5. CMC, Rope Rescue Manual, 3rd Edition
6. Delmar, Technical Rescuer Rope Levels I and II, Jeff Matthews
7. IFSTA, Fire Service Search and Rescue, 7th Edition
8. Jones and Bartlett Fundamentals of Fire Fighter Skills, 2nd Edition
9. Brady, Prehospital Emergency Care, 6th Edition

Manipulative Objectives

Each candidate must be trained and evaluated in the performance of all manipulative skills as outlined by the Fargo Fire Department in the Tech Rope Rescue Level II objectives. Each of the manipulative skills shall be completed safely and with competence as defined below:

- **Safely** – Each manipulative skill objective must be completed safely. Actions that could injure an individual or damage equipment are unacceptable. Equipment should be checked prior to skill testing or training to see that it is safe and functional.
- **Competence** – Each manipulative skill objective is performed in accordance with the Fargo Fire Department Standard. This includes performing the proper steps in sequence. Competence will be measured in accordance with the Fargo Fire Department manipulative skill objectives.

Department Training Records

Each candidate shall have a training record on file with the department which indicates whether he/she has trained on all manipulative skill objectives. This record shall be signed off or initialed by a department training officer. Training records must indicate the date, instructor, and total number of hours trained for each manipulative skill objective. The training record check-off for Tech Rope Rescue Level II is provided in Appendix A of this document.

CERTIFICATION EXAMINATIONS

After completion of the training process the candidate may test for certification.

Written Examinations

The written examination is a randomly generated **50-question** test covering the written objectives Chapter 6, Level II of the NFPA 1006 standard. A Combined Rope Rescue Technician I & II written examination may be given for those who wish certification in both levels. A minimum score of 70% is required to pass the certification examination. Firefighters failing the first attempt of the written exam will be permitted to retest the next time test is administered. A candidate who passes the written test will have up to two years or a minimum of two offerings, to complete the manipulative skills portion of the testing.

SAMPLE WRITTEN EXAMINATION QUESTIONS:

The transfer of heat by the movement of air or liquid would be considered?

- | | |
|---------------|-------------------------|
| a. Conduction | c. Convection |
| b. Radiation | d. Direct-flame contact |

The technical rescuer's common goal is to?

- | | |
|--|--------------------------------|
| a. Problem solve | c. Cut corners |
| b. Research and buy the safest equipment | d. Perform rescue at all costs |

Manipulative Skills Examination

This is a two-step examination. The first step is a department records check and the second step is a manipulative skills examination. Certification testers certified to Tester II or Tester III by the Fargo Fire Department conduct the examination. Initial testing will be conducted by outside Pro Board certified testers

Training records are checked. If records are inadequate, corrective action must be taken before proceeding to the next step. The records must meet minimum requirements and are checked for the following:

1. Candidate has completed all training requirements for Technical Rescuer Rope Rescue Level II (Chapter 6, 2013 Edition) from the NFPA 1006 standard.
2. The training officer has signed off each manipulative skill.
3. The total number of hours trained on each manipulative skill.

A combined Rope Rescue Technician Level I & II manipulative examination may be given for those who wish certification in both levels. The manipulative skills examination is graded on a 100% pass/fail basis. The test is graded in the following areas:

- **Safely** – Each manipulative skill objective must be completed safely. Actions that could injure an individual or damage equipment are unacceptable. Equipment should be checked prior to skill testing or training to see that it is safe and functional.
- **Competence** – Each manipulative skill objective is performed in accordance with the Fargo Standard. This includes performing the proper steps in sequence when required. Competence will be measured in accordance with the Fargo Fire Department manipulative skill objectives.

Candidates are tested on **three (3) manipulative skills**. No prior notification of the skills being tested will be given.

No training, teaching, or coaching is allowed during the test.

This is a 100% pass/fail test. Candidates are allowed to fail a skill one time and have an opportunity to retest a second time to pass the skills test. If they fail a second time, this will be a failure for the entire skills testing portion of the examination.

Candidates who fail the manipulative examination will be required to complete further training on those areas that they were not successful in the testing. They would be eligible to test the next time it is offered at no extra charge. Candidates returning for testing will be tested on a new set of skills for the new testing period, that may or may not include the skill missed in the previous testing.

Prerequisites for Tech Rope Rescue Level II (Chapter 6)

Prior to certification at the level, firefighters must be Pro Board certified at the Hazardous Materials First Responder- **Awareness** level and Hazardous Materials First Responder- **Operations** level.

Firefighters must be **Pro Board Certified -Technical Rescue Job Performance Requirements (JPR's)/Rope Rescue Level I** through the Fargo Fire Department Certification system. This is a single certification.

CERTIFICATION CHECKLIST

TECH ROPE RESCUE LEVEL II

ENTRANCE REQUIREMENTS:

- ☐ Each candidate has met requirements listed in NFPA 1001, Chapter 4 or those established by the authority having jurisdiction.
- ☐ Each candidate has met the additional requirements of CPR and medical training.
- ☐ Each candidate provides an application/affidavit for testing signed by the candidate and Chief/Head of the Department verifying that all pre-requisites have been completed.
- ☐ Each candidate provides a record showing that they are certified through the Fargo Fire Department system that they are Pro Board Certified as a Technical Rescuer in Job Performance Requirements/Rope Rescue Level I. This is a single certification.

DEPARTMENT TRAINING RECORDS:

- ☐ Each participant has a training record for review that shows:
 1. A learning experience in each manipulative skill objective.
 2. Dates of training.
 3. Initials of instructors.
 4. Total number of hours trained in each manipulative skill objective.

ADDITIONAL TRAINING/PREREQUISITE REQUIREMENTS:

- ☐ Each participant is certified at the Hazardous Materials Awareness and Operations level.
- ☐ Complete IS-700: Introduction to ICS.
- ☐ Complete IS-100: Introduction to ICS.
- ☐ Complete IS 200; Basic ICS

CERTIFICATION EXAMINATIONS:

- ☐ Each participant has passed the Fargo Fire Department Pro Board written examination.
- ☐ Each participant has passed the Fargo Fire Department manipulative skills testing administered by an approved Certification Tester.

CERTIFICATION:

- ☐ Certification Coordinator has reviewed records for completeness.

NFPA 1006, 6.2.1 b

Skill 1: Completes Assignment While Suspended From a Rope System

Instructions to Tester- Safety is Paramount!

1. The candidate shall complete an assignment while suspended from a rope rescue system, given a rope rescue system, an assignment, life safety harnesses, litters, bridles, and specialized equipment necessary for environment, so that the risks to victims and rescuers are minimized, the means of attachment to the rope rescue system is secure, selected specialized equipment facilitates efficient rescuer movement, and specialized equipment does not unduly increase risks to rescuers or victims.
2. The candidate will not be allowed to review the performance steps at time of testing.
3. Prevent or prohibit any unsafe acts.
4. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Complete an assignment while suspended from a rope rescue system, given a rope rescue system, an assignment, life safety harnesses, litters, bridles and specialized equipment necessary for the environment so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

- | | | |
|------------------------------|-------------------|------------------------------------|
| 1. Proper PPE | 4. Carabiners | 7. Tandem triple wrap prusik belay |
| 2. ½" static kernmantle rope | 5. Prusiks | 8. Rescue harness |
| 3. Brake bar rack | 6. Pick off strap | 9. Radio |

NFPA 1006, 6.2.1 b

Skill 1: Completes Assignment While Suspended From a Rope System

Skill	1 st Att	2 nd Att
1. Evaluates surroundings for potential hazards		
2. Selects and uses proper rescuer harness and PPE		
3. Attaches harness to rope system		
4. Maneuvers around existing environment and system specific obstacles		
5. Performs work while suspended from rope rescue system		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt _____

Second Attempt _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 6.2.2 b

Skill 2: Victim Transfer

Instructions to Tester- Safety is Paramount!

1. The candidate shall move a victim in a high angle or vertical environment, given a rope rescue system, victim transfer devices, and specialized equipment necessary for the environment, so that risks to victims and rescuers are minimized, undesirable victim movement within the transfer device is minimized, the means of attachment to the rope rescue system is maintained, the victim is removed from the hazard, selected specialized equipment facilitates efficient victim movement and the victim can be transported to the local EMS provider.
2. The candidate will not be allowed to review the performance steps at time of testing.
3. Prevent or prohibit any unsafe acts.
4. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Move a victim in a high angle or vertical environment, given a rope rescue system, victim transfer devices, and specialized equipment necessary for the environment, so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

- | | | |
|------------------------------|------------------------------------|-------------------------------------|
| 1. Proper PPE | 4. Carabiners | 7. Mechanical advantage or pick off |
| 2. ½" static kernmantle rope | 5. Pick off strap | 8. Radio |
| 3. Brake bar rack | 6. Tandem triple wrap prusik belay | |

NFPA 1006, 6.2.2 b Skill 2: Victim Transfer
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Skill	1 st Att	2 nd Att
1. Evaluates surroundings for potential hazards		
2. Selects appropriate PPE		
3. Chooses proper transfer device		
4. Attaches a transfer device to the rope rescue system		
5. Reduces hazards for rescuer and victim		
6. Determines specialized equipment needs for victim movement		
7. Transfer of victim in high angle environment using transfer device		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt _____

Second Attempt _____

Candidate Signature_____

Tester Signature 1st Attempt_____

Tester Signature 2nd Attempt_____

Date_____

NFPA 1006, 6.2.3 b

Skill 3: Function as a Litter Tender in a High Angle or Hauling Operation

Instructions to Tester- Safety is Paramount!

1. The candidate shall function as a litter tender in a high angle lowering or hauling operation, given a rope rescue system, life safety harnesses, litters, bridles and specialized equipment necessary for the environment, so that risks to victims and rescuers are minimized, the means of attachment to the rope rescue system is secure, and the terrain is negotiated while minimizing the risks to equipment and persons.
2. The candidate will not be allowed to review the performance steps at time of testing.
3. Prevent or prohibit any unsafe acts.
4. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Function as a litter tender in a high angle or hauling operation, given a rope rescue system, life safety harnesses, litters, bridles and any specialized equipment for the environment so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

- | | | |
|------------------------------|--------------------------|----------|
| 1. Proper PPE | 5. Specialized equipment | 9. Radio |
| 2. ½" static kernmantle rope | 6. Prusiks | |
| 3. Litter and harness | 7. Carabiners | |
| 4. Full body harness | 8. Webbing | |

NFPA 1006, 6.2.3 b

Skill 3: Function as a Litter Tender in a High Angle or Hauling Operation

Skill	1 st Att	2 nd Att
1. Select the correct harness and PPE		
2. Attaches life safety harness to the rope rescue system		
3. Maneuvers litter past obstacles		
4. Manage the litter while suspended from the rope rescue system		
5. Evaluate the surroundings for potential hazards		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt _____

Second Attempt _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 6.2.4 b

Skill 4: Direct a Team in the Removal of a Victim Suspended in a High Angle Environment

Instructions to Tester- Safety is Paramount!

1. The candidate will direct a team in the removal of a victim suspended from rope or webbing in a high angle environment, given a victim suspended by a harness attached to anchored rope or webbing, devices for removal of the victim from the rope or webbing, and a means of removal of the victim to the ground or other safe area, so that the risks to victims and rescuers are minimized, injury to the victim is minimized, the means of attachment to the rope rescue system is maintained, the victim is removed from the rope or webbing, and the victim is brought to a safe area for transfer to EMS.
2. The candidate will not be allowed to review the performance steps at time of testing.
3. Prevent or prohibit any unsafe acts.
4. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Direct a team in the removal of a victim suspended from rope or webbing in a high angle environment, given a victim suspended by a harness attached to an anchor rope or webbing so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

- | | |
|------------------------------|-------------------|
| 1. Proper PPE | 5. Prusiks |
| 2. ½" static kernmantle rope | 6. Webbing |
| 3. Carabiners | 7. Pick-off strap |
| 4. Full body harness | 8. Radio |

NFPA 1006, 6.2.4 b

Skill 4: Direct a Team in the Removal of a Victim Suspended in a High Angle Environment

Skill	1 st Att	2 nd Att
1. Direct team in construction of a rapid removal system		
2. Manage the operation of the selected system		
3. Determines condition of victim		
4. Reduces hazards for victim and rescuers		
5. Determines any specialized equipment needed		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt ____ ____

Second Attempt ____ ____

Candidate Signature_____

Tester Signature 1st Attempt_____

Tester Signature 2nd Attempt_____

Date_____

NFPA 1006, 6.2.5 b

Skill 5: Direct a Team in the Construction of a Highline

Instructions to Tester- Safety is Paramount!

1. The candidate shall direct a team in the construction of a highline system (at least 75') given rescue personnel, life safety rope, rope rescue equipment and a suitable anchor system capable of supporting the load so that personnel assignments are made and clearly communicated, the system constructed can accommodate the load, tension applied within the system will not exceed the rated capacity of any of the component parts, system safety check is performed, movement on the system is efficient and loads can be held in place or moved with minimal effort over the desired distance.
2. The candidate will not be allowed to review the performance steps at time of testing.
3. Prevent or prohibit any unsafe acts.
4. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Direct a team in the construction of a highline system, given rescue personnel, life safety rope, rope rescue equipment, and suitable anchor system capable of supporting the load, so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

- | | |
|--------------------------------------|----------------------------|
| 1. Proper PPE | 6. Pulleys |
| 2. 300' of ½" static kernmantle rope | 7. Mariners hitch/webbing |
| 3. Webbing | 8. Non locking carabiners |
| 4. Carabiners | 9. Rope to guy off A-frame |
| 5. 150' of ½" static kernmantle rope | |

NFPA 1006, 6.2.5 b Skill 5: Direct a Team in the Construction of a Highline
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Skill	1 st Att	2 nd Att
1. Determines incident needs as related to construction of highline systems		
2. Evaluates the incident site for interference concerns and set-up		
3. Identifies the obstacles or voids to be negotiated with the highline		
4. Selects a highline system for the defined task		
5. Performs a safety check		
6. Uses rigging principles		
7. Communicates with personnel effectively		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt _____

Second Attempt _____

Candidate Signature_____

Tester Signature 1st Attempt_____

Tester Signature 2nd Attempt_____

Date_____

NFPA 1006, 6.2.6 b

Skill 6: Direct a Team in the Operation of a Highline

Instructions to Tester- Safety is Paramount!

1. The candidate shall direct a team in the operation of a highline system, given rescue personnel, an established highline system, a load to be moved, and personal protective equipment, so that the movement is controlled, the load is held in place when needed, operating methods do not stress the system to the point of failure, personnel assignments are made and tasks are communicated, potential problems are identified, communicated and managed.
2. The candidate will not be allowed to review the performance steps at time of testing.
3. Prevent or prohibit any unsafe acts.
4. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. The candidate shall direct a team in the operation of a highline system, given rescue personnel, an established highline system, a load to be moved, and personal protective equipment so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

- | | |
|--------------------------------------|----------------------------|
| 1. Proper PPE | 6. Pulleys |
| 2. 300' of ½" static kernmantle rope | 7. Mariners hitch/webbing |
| 3. Webbing | 8. Non locking carabiners |
| 4. Carabiners | 9. Rope to guy off A-frame |
| 5. 150' of ½" static kernmantle rope | |

NFPA 1006, 6.2.6 b

Skill 6: Direct a Team in the Operation of a Highline

Skill	1 st Att	2 nd Att
1. Determines incident needs		
2. Completes a system safety check		
3. Evaluates system components for compromised integrity		
4. Selects and assigns personnel		
5. Communicates with personnel effectively		
6. Manages movement of load		
7. Evaluates operation for potential problems		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt _____

Second Attempt _____

Candidate Signature_____

Tester Signature 1st Attempt_____

Tester Signature 2nd Attempt_____

Date_____

NFPA 1006, 6.2.7

Skill 7: Access a victim in a high-angle environment using techniques that require rescuers to climb up or down a natural or manmade structure.

Instructions to Tester- Safety is Paramount!

1. The candidate shall climb up or down a natural or manmade structure given a belay, a belay system, or other mechanisms, so that the risks from a fall are minimized or eliminated; the patient is accessed; and the objective is achieved.
2. The candidate will not be allowed to review the performance steps at time of testing.
3. Prevent or prohibit any unsafe acts.
4. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Access a victim in a high angle environment, given a rope rescue system, specialized equipment necessary for the environment, a natural or manmade structure, so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

- | | |
|------------------------------|--------------|
| 1. Proper PPE | 5. Prusiks |
| 2. ½" static kernmantle rope | 6. Webbing |
| 3. Carabiners | 7. Ascenders |
| 4. Full body harness | 8. Radio |

NFPA 1006, 6.2.7

Skill 7: Access a victim in a high-angle environment using techniques that require rescuers to climb up or down a natural or manmade structure.

Skill	1 st Att	2 nd Att
1. Evaluate surroundings for potential hazards		
2. Selects appropriate PPE		
3. Determines specialized equipment needs for the descend or ascend		
4. Safely accesses the patient		
5. Minimizes fall potential and fall factors		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt

Second Attempt

Candidate Signature_____

Tester Signature 1st Attempt_____

Tester Signature 2nd Attempt_____

Date_____

NFPA 1006, 6.2.8

Skill 8: Isolate and manage potentially harmful energy sources

Instructions to Tester- Safety is Paramount!

1. The candidate shall isolate and manage potentially harmful energy sources found in erected structures, including power systems and construction materials, given personal protective equipment, so that all hazards are identified, systems are managed, beneficial system use is evaluated, and hazards to rescue personnel and victims are minimized.
2. The candidate will not be allowed to review the performance steps at time of testing.
3. Prevent or prohibit any unsafe acts.
4. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Identify and isolate harmful energy sources using proper procedure and the lock out/tag out equipment provided.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Proper PPE
2. Lock out/Tag out kit
3. Radio

NFPA 1006, 6.2.8

Skill 8 : Isolate and manage potentially harmful energy sources

Skill	1 st Att	2 nd Att
1. Selects the proper PPE		
2. Correctly identifies hazards affecting the incident		
3. Operate tools and devices for securing and disabling hazards		
4. Identifies and operates beneficial systems in support of objectives		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt

Second Attempt

Candidate Signature_____

Tester Signature 1st Attempt_____

Tester Signature 2nd Attempt_____

Date_____

Appendix A

Rope Rescue Technician Training Record						
Level II						
Training Record			In House Exam			Manipulative Skill Demonstrated
Date	Inst	Hours	Date	Inst	P/F	
						1. Completes assignment while suspended from a rope system
						2. Victim transfer
						3. Function as a litter tender in a high angle or hauling situation
						4. Direct a team in the removal of a victim suspended in a high angle environment
						5. Direct a team in construction of a high line
						6. Direct a team in the operation of a highline
						7. Access a victim in a high angle environment using techniques that require rescuers to climb up or down natural or manmade structures.
						8. Isolate and manage potentially harmful energy sources

Rope Rescue Equipment List

300' lifelines ½" kernmantle
200' lifelines ½" kernmantle
Basket stretcher
Backboard
Hard hats
Gloves
Ascenders
Anchor plates
Steel "o" rings
Brake bar racks
Locking carabiners
Oval carabiners
2 inch pulleys
4 inch pulleys
2 inch double pulleys
4 inch double pulleys
Prusiks
Edge roller/protector
Webbing
Harnesses
Adjustable anchor straps
Pick off strap
Head immobilizer
Assorted lumber for A frame or Paratech System
Mariners hitch webbing
Lockout/tag out kit