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FIRE PROTECTION

1. **Purpose:** To summarize how the City of Perham Provides Fire Protection
2. **Responsibility:** Fire Protection is provided by the Perham Fire Department. This volunteer department, which has approximately 36 members. The department's level of hazardous materials incident response training is minimal. The Perham Fire Department participates in a mutual aid agreement with other fire departments in Ottertail County and Becker County.
3. **Communications Capability:** The Perham Fire Department vehicles are equipped with the following radio communications equipment and frequencies. Frequencies and equipment can be found in this section and in the communications protocol section of this manual.
4. **Supporting Documents:** The Perham Fire Department is responsible for developing and maintaining whatever standard operating procedures it may need in order to carry out its fire protection responsibilities. (SEE THIS SECTION)

AUTHENTICATION

DATE: 10/30/01

FIRE CHIEF:



PERHAM FIRE DEPARTMENT
STANDARD OPERATING GUIDELINES

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INTRODUCTION

PERHAM FIRE AND RESCUE DEPARTMENT expects a very high level of professional conduct from all members. Each member shall familiarize themselves with and abide by all Fire Department rules, regulations, policies and standard operating procedures of the Perham Fire Department.

MISSION STATEMENT

To minimize injury loss of life and property for the Perham Fire Service Area from fires, natural disasters, life threatening situations and to assist other emergency agencies.

To perform these services in safe and efficient manner by maintaining effective fire prevention, emergency response, fire suppression and training.

Perham Fire DepartmentRESPIRATORY PROTECTION PROGRAM

The Perham Fire Department (PFD) will provide respiratory protection for each member of the department when working in hazardous atmospheric conditions. These conditions may be heat, smoke, toxic fumes or gases and oxygen deficient atmospheres. The working duties will include, but are not limited to; fire control (interior and exterior), rescue, ventilation, mop-up, vehicle fires or any condition where hazardous atmospheres are encountered.

1. The following general requirements will apply to all SELF CONTAINED BREATHING APPARATUS (SCBA) worn and used by personnel in the service of the PFD.
 - a) All SCBA must meet the requirements of OSHA standards 29 CFR 1910.134 and certified under 30 CFR Part 11.
 - b) All compressed air cylinders must meet DOT and NIOSH criteria.
 - c) SCBA must have a minimum service life of 30 minutes as established by the criteria in a) and have an audible alarm that signals that the remaining service time is reduced to 20% of the total service time.
 - d) All SCBA purchased and used by the PFD will have the positive pressure regulators available for use in interior structure firefighting.
 - e) Approved SCBA may be used with compressed air cylinders from other approved SCBA provided the cylinders are the same capacity, pressure, meet the criteria as in b) and are 100% compatible with the regulating device.
 - f) Cylinders for use on PFD SCBA'S shall be tested and maintained as prescribed according to DOT 49 CFR Part 178. Cylinders will be hydrotested every 5 years (Composite cylinders every 3 years) and marked according to ANS Z48.1-1954; Federal Specification BB-A-1034a or GG-B-00675b.
 - g) Breathing air quality must meet the specification for Grade D air quality as described in the Gas Association Commodity Specification G-7.1-1966. Oxygen must never be used in the PFD SCBA.
2. Members of the PFD will don and use a SCBA when encountering any hazardous atmospheric condition and shall never remove the facepiece of the apparatus until the hazardous conditions are no longer present.

3. When performing duties assigned requiring the use of SCBA and the alarm bell signals remaining tank pressure, the user will immediately evaluate the time required to evacuate the hazardous condition and act accordingly so that no less than 5% of the tank volume remains when the user is clear of the hazard.
4. The use of SCBA in hazardous conditions will be in the pressure of "ON" mode of the pressure-demand apparatus.
5. Each member of the PFD who is assigned duties requiring the use of SCBA will receive instructions and training in the donning and wearing of the apparatus before actual work assignments can be made and the training will be documented in the individuals training record.
6. Each member of the PFD who maintains SCBA qualifications must receive training in the use of SCBA at a minimum frequency of once a year and the training must be documented in the individuals training record.
7. Each member of the PFD who is assigned duties requiring SCBA will be physically able to perform the activity and use the equipment without injury to themselves or others. The physical capability of each individual SCBA user will be attested to on an annual basis by a physician who is familiar with the activities of firefighting. The Physicians approval will be documented in the personal file of the member. See the attached form titled RESPIRATORY PROTECTION CERTIFICATE.
8. A member of the PFD will not accept an assignment to don and use a SCBA if the members physical health has changed to prevent him from safely conducting the assignment. The Officer making the assignment must be informed of this status immediately.
9. When any malfunction of a SCBA occurs while performing an assignment, the member of the PFD will inform the other members of the working crew that he (she) is leaving the assignment and then remove their self from the hazard. If the user experiences any stress level over the normal working stress, the user will remove himself from the hazardous condition.
10. A member will not wear a SCBA when conditions prevent a good facial seal. The conditions may be, but not limited to, beards, side burns, eyeglasses, the absence of dentures or facial features that prevent a seal between the facepiece and the face.
11. Members of the PFD will not wear contact lenses beneath the facepiece of the SCBA.

12. Members of the PFD will not wear SCBA if facial hair interferes with the seal of the facepiece or the operation of the respiratory valves.
13. Facepiece nosecups will be used when working in hazardous areas if the temperature is below 32° F. It is recommended to use nosecups whenever the SCBA is used.
14. When SCBA duties are assigned, a maximum of two people will be assigned. The assigned working crew will use the "buddy system".
15. After each use the SCBA will be cleaned. If at any time a unit is determined to be dirty, the unit is to be cleaned. The following procedure is to be used to clean the SCBA. Separate the low pressure hose (if applicable) and the facepiece from the regulator, and wash each part in soft detergent. Rinse completely and air dry, place the mask over the face and breath into the mask to ensure operation of the respiratory valves. Inspect all areas of the headpiece for wear and repair accordingly. Store in the prescribed manner. Wipe or wash the body straps, cylinder holder, regulator and cylinder. Inspect all parts of the regulator and body apparatus and repair accordingly. Store in the prescribed manner.
16. After each use of the SCBA, the cylinder pressure will be inspected and the cylinder replaced or filled on the SCBA if the pressure is less than 75% full.
17. The SCBA will be stored in a dust compartment or box in a compartment with straps extended and the SCBA ready for immediate donning. The headpiece will be stored with the SCBA, available for immediate use.
18. SCBA will be inspected once each month on the designated work meeting or as otherwise assigned. The inspection will include the thread condition and tightness of all connections, the general condition of the facepiece, headpiece, high and low pressure hoses, working gauges, strap and harness condition and all valve operations. Any condition which may contribute to the unsafe operation of the SCBA is cause to remove the unit from service until the repair is complete. The inspection will be conducted and documented on the form titled SCBA MONTHLY INSPECTION FORM.
19. SCBA cylinders will be inspected once each month during the SCBA inspection. The inspection of cylinders will include gauge condition, tank damage, hydrotest date and cylinder pressure. All cylinders not full will be filled. SCBA cylinders will be stored so as not to move or become damaged during transportation. The inspection will be conducted and documented on the form titled SCBA MONTHLY INSPECTION FORM.

20. When members of the PFD are assigned duties requiring the use of SCBA and working the buddy system, visual, audible or lifeline contact will be maintained.
21. When assignments are made to use SCBA, the FGC will assign one additional member to remain outside the area where respiratory protection is required. This member shall be responsible for monitoring the identity of each user, the time of entry and their assigned location.
22. Each member of the PFD required to use SCBA shall use a Personal Alert Safety System (PASS) when available. The PASS will meet the requirements of NFPA 1982.
23. When available, each PASS will be tested monthly and before each use. Each test will be documented and kept on file in the fire hall.
24. All SCBA will be tested annually in accordance with the requirements of NFPA 1981.

PERHAM FIRE & RESCUE

FIRE ASSN BOARD

CITY COUNCIL

FIRE CHIEF

1ST ASST
CHIEF

RULES
REGULATIONS
MEMBERSHIP
SOG,S
OPERATIONS

2ND ASST
CHIEF

FIRE OPERATION
SOG,S
RESCUE OPERATIONS

3RD ASST
CHIEF

TRAINING &
SAFETY
SOG,S

4TH ASST
CHIEF

FIRE STATION
PERSONNEL CLOTH
SOG,S

FIRE DEPT
SECRETARY

records
reports
meetings
training
medical
sog,s

FIRE DEPT
ENGINEER

asst engineers

operation & upkeep
of equipment
records
reports
sog,s

RURAL DEPT
SECRETARY

records
reports
meetings
billings
pensions
sog,s

PERHAM RESCUE & FIRE DEPARTMENT

RADIO COMMUNICATIONS GUIDELINES

1. When an alarm is received from dispatch, it is the duty of a passenger firefighter of the 1st unit responding to an incident to notify dispatch by radio (or telephone) that the pager is acknowledged. It is also the duty of each unit operator to notify dispatch as they respond from the station. Also it is the duty of each units operator to notify dispatch of arrival at the scene.
2. Radio transmissions will be abbreviated and to the point. The use of codes is not allowed other than 10/4.
3. The Fireground Commander has #1 priority on the radio with the exception of anyone notifying the system of an immediate personal danger.
4. The fireground shall be governed by the following call assignments; chief 240, 1st assistant 241, 2nd assistant 242, 3rd assistant 243, 4th assistant 244, engineer 245. All units to be assigned and called by established unit numbers.
5. Example: Engine to 240. When completing at transmission announce your assignment and clear (Engine 9 clear)
6. If a transmission is questionable ask for a "Repeat."
7. REMEMBER THAT ALL RADIO TRANSMISSIONS ARE PUBLIC - KEEP IT PROFESSIONAL.
8. It is the responsibility of each units operator to notify dispatch of being clear of the scene.
9. It is the responsibility of the scene commander to notify dispatch when all units are back in service.

PERHAM RADIO #KRJ 922

<u>CHANNEL</u>	<u>RECEIVE</u>	<u>TRANSMIT</u>	<u>TONE</u>	<u>LOCATION</u>
#1	154.085	154.085	123.0	Perham local
#2	155.700	154.710	123.0	OTC Sheriff Amor repeater
#3	155.700	155.700	123.0	OT County Car to car
#4	155.475	155.475	123.0	Statewide HWY Patrol
#5	155.340	155.340	210.7	Statewide Hosp.
#6	155.535	155.535	123.0	Becker County Sheriff
#7	154.445	154.445	123.0	OTC Fire
#8	155.055	155.055	123.0	NY Mills Fire
#9	154.400	154.400	123.0	Det Lakes Fire
#10	154.295	154.295		State Fire DNR
#11	155.025	153.785	203.5	DL Ambulance Repeater
#12	155.025	155.025	203.5	DL Ambulance Talk Around
#13	155.355	155.355	123.0	Regional Hosp. (DL, Wadena, F Falls,
#14	153.845	158.805	123.0	OTC Sheriff Perham Tower

PERHAM FIRE DEPARTMENT

STANDARD FOR PROTECTIVE CLOTHING

Protective clothing has been assigned to each member of the PERHAM FIRE DEPARTMENT to be used in every incident in which potential injury or death can occur. Protective clothing is not the answer to safety. Protective clothing is only a tool to use in the performance of our duty. In the event a dangerous situation develops in the performance of our duty, protective clothing offers protection until we can remove ourselves from the danger zone without injury.

SAFETY IS THE ATTITUDE WHICH COMES FROM OUR OFFICERS, THE ATTITUDE OF FIREFIGHTERS, AND THE USE OF STANDARD OPERATING GUIDELINES.

1. It is a requirement of the Perham Fire Department that is responding to emergency incident be fully attired in their protective gear ready for assignment before arriving on the scene.
2. Each member attending training/meetings shall have full protective gear available for use in hands-on-training and in the event of emergency calls.
3. Full protective gear shall be worn during training exercises which require the gear for normal work assignments.
4. Protective gear issued by the Perham Fire Department will meet the OSHA criteria as specified in 29 CFR 11910.156, and NFPA standards: 1500, 1971, 1972, 1973, 1974, and consists of helmet, hood, coat or brush coat, trousers, boots, and gloves. Only equipment issued by the PERHAM FIRE DEPARTMENT or equivalent is allowed, no longer exceptions.
5. Protective clothing will be worn according to accepted procedure.
That is to say:
 - a. Helmets will be worn with the proper liner and strapped under the chin.
 - b. Hoods will be worn with SCBA. It is recommended to wear hoods at all times except when heat exhaustion becomes a major factor.
 - c. Coats will be worn with all snaps, zippers, velcro and hooks secure. Collars will be up with the storm flap in place while wearing an SCBA.

- d. Approved brush coats maybe substituted for fire coats on summer wildland fires, however fire coats must be brought on the call.
 - e. Bunker pants will be on with all snaps, zippers, velcro and hooks secure.
 - f. Gloves will be worn during all assigned activities except pump operation.
 - g. Boots will be worn under bunker pants.
6. Rubber gloves will only be worn for hazardous chemical duties where they meet the chemical duty requirements.
 7. Asbestos gloves are to be worn during chimney fires and cleaning only.
 8. All protective clothing is to be maintained for cleanliness and defects repaired to provide the intended protection. Any equipment damaged beyond repair is to be replaced before activities can be assigned which require the use of that equipment.

PERHAM FIRE DEPARTMENT

VENTILATION

Ventilation for the purpose of a standard operating procedure is defined as the operation required to remove toxic gases and heat from an area to assist in rescue, entry and fire control. Other ventilation procedures are used for salvage, etc. and are not addressed in this standard.

1. Personnel who are assigned ventilation operations will have received training within the recent year on ladders, SCBA, and small tools.
2. Roof or vertical ventilation operations will be conducted by personnel equipped with full protective gear, radio communication, SCBA and using a roof ladder as a work platform. The ventilation opening will be downwind of the crew, wind on the crews back.
3. The ventilation opening will be located, as close as safety allows, directly over the fire area at the highest point on the roof. A residential structure will be opened a minimum of 4 square feet, a commercial structure a minimum of 32 square feet.
4. The ventilation crew will continue ventilation procedures by opening a passageway from the fire area to the roof opening.
5. Only personnel required to complete the ventilation operation are allowed or assigned to the roof.
6. Horizontal ventilation procedures will be conducted by personnel in full protective gear. Windows are to be broken using small tools. The procedure is to stand to the side of the window and break the glass from the top down. The frame of the window is to be completely cleared of glass and the opening to be cleared for the free passage of air and gasses.
7. Ventilation operations from a ladder will be conducted from the side of the opening using all ladder safety procedures.
8. Hose lines will never be placed in ventilation openings.
9. Use horizontal ventilation at the peak of roofs when unsafe conditions exist.
10. Leave the roof when the job is complete!

STANDARD OPERATING GUIDELINES

VEHICLE ACCIDENTS

1. Pagers summons help for vehicle accident.
2. Firefighters respond to the fire hall obeying Minnesota motor vehicle regulations.
3. First firefighter then acknowledges page from dispatch.
4. Firefighter choose appropriate ring for truck they will fill.
5. Firefighter dons turnout gear.
6. Emergency response to vehicle accidents will be first engine 3 (3 people) and tanker 5 (2 people).
7. Passenger side of engine 3 rider assumes "hot seat" position unless relieved by a senior firefighter. (The incident commander is responsible for collecting billing information).
8. Person in control of scene should don the red vest immediately upon arriving on the scene.
 - a. Incident commander should then inform law enforcement that Perham Fire Department is assuming responsibility for the scene, and request the law enforcement personnel to control the crowd and/or traffic.
 - b. Review the scene for hazmat or other hazardous conditions.
9. Responsibilities if responding firefighters;
 - a. Driver of engine 3 operate pump, charge preconnect, monitor radio.
 - b. Middle rider engine 3 immediately pull preconnect, proceed with extrication.
 - c. Driver of tanker 5 position tanker 5 so it can be connected to engine 3, assist with fire protection.
 - d. Passenger of tanker 5 report to incident commander to assist with extrication.
10. Extrication Procedures
 - a. Secure the vehicle
 - b. Proceed with extrication as necessary.
 - c. Disconnect battery cables, negative first.
 - d. Secure the scene.
 - e. Remove all debris from road surface.
 - f. Once victim has been removed from scene return scene command to senior law enforcement officer.

11. Hazardous Material Procedure

- a. Notify dispatch that a hazardous material condition exists and that you need more help.
- b. Secure the scene to prevent further exposure to rescue personnel and general public.
- c. Attempt to determine what sort of hazmat you are dealing with using the MnDot Emergency Response Guidebook.
- d. Follow procedures outlined in guidebook.