

Egg Harbor Fire Department and First Responders Standard Operating Guidelines

SUBJECT: PLYMOVENT® EXHAUST SYSTEM

SOG 303

PURPOSE: The PLYMOVENT® Exhaust System was installed to protect the health and safety of the employees and must be used whenever possible. The following information will outline the operating procedure for proper handling and operation of the PLYMOVENT® Exhaust System. In connection with this procedure all basic safety regulations (State and Federal) regarding vehicle operations must be followed. This procedure is intended to outline safe operational use of the PLYMOVENT® Exhaust System. It is not all inclusive. Along with the procedure listed below, safe workplace practices and common sense need to be applied when using the PLYMOVENT® system to prevent injuries to employees and damage to the system:

SCOPE: This policy shall apply to all members of the Egg Harbor Fire Department.

EXITING STATION

Drivers of vehicles shall exit stations at a safe speed, five (5) miles per hour or less, to prevent injury to personnel inside the station and possible damage to the exhaust system. Exit speed is critical to the successful operation of the exhaust system. (Excessive speed exiting the station will create a dangerous situation for employees inside the station and potential damage to the exhaust system.)

All personnel shall stay well clear of the exhaust system when a vehicle is exiting the station. The detaching hose has an unavoidable amount of swing after detaching.

ENTERING STATION

Always use a designated signal person when backing vehicles into the station. This person must be positioned at the left rear of the vehicle when it is backing up and be visible to the driver at all times.

The signal person will stop the driver when the rear wheels of the vehicle are at the threshold of the overhead door or other appropriate spot as designated for each vehicle. The hookup of the exhaust system will be made at this time by the signal person.

Following proper exhaust system hookup and after ensuring that the area is clear, the signal person returns to his/her position and directs the driver to continue backing the vehicle into the station.

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MAINTENANCE OF THE PLYMOVENT® SYSTEM

The last two (2) feet of the exhaust hose (the safety disconnect) may disconnect periodically, see the safety disconnect procedure to reattach. Follow operating instructions for reassembling the coupling. No oil/lubricant is to be used on the safety-disconnect coupling. If the coupling disconnects on a regular basis, the exit speed of the vehicle may be excessive or the system may need adjustment. If a reduction in speed does not correct the problem, notify the Chief or his/her designee.

Operation of a vehicle should be limited to 1500 RPM for 15 minutes. (Diesel engines only.)

Exception for gasoline engines: Do not run above idle when connected to system or attempt repetitive start if flooding occurs. If flooding occurs, unhook exhaust system from vehicle.

The screen, located at the nozzle, should be checked for debris on a regular basis (weekly).

The following services on the compressor will be performed on a weekly basis:

- (1) Drain water from air tank
- (2) Check air lines and connections
- (3) Inspect all air lines and exhaust hoses for damage and wear

Any problems or malfunctions must be reported immediately to the fire chief or his/her designee.

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