

# PREVENT PIPE AND FAUCET FREEZING

WHY CAN'T I  
GET ANY WATER  
OUT OF YOU?

I'M SO  
THIRSTY!

THIS IS WHAT  
HAPPENS WHEN  
YOU NEGLECT COLD  
WEATHER P.M.

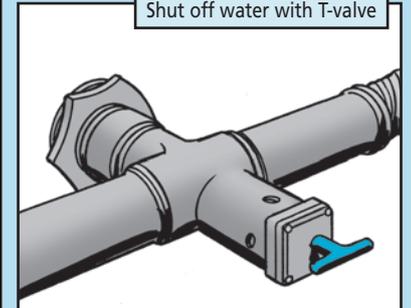
EVEN IN A  
COLD CLIMATE,  
IT'S IMPORTANT  
TO STAY  
HYDRATED. BUT  
THAT'S HARD  
TO DO IF YOUR  
WATER IS  
FROZEN!

SO HERE ARE  
SOME COLD  
WEATHER P.M.  
TIPS TO HELP  
YOU PREVENT  
PIPES AND  
FAUCETS FROM  
FREEZING  
ON YOUR  
M149 WATER  
TRAILERS.

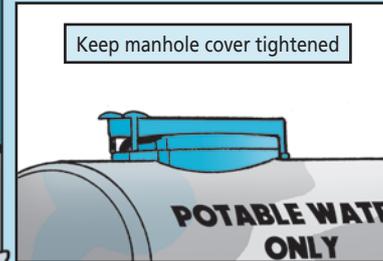
- Place the water trailer in a shelter, especially if the temperature is below 0°F. A warm tent where there's a field range operating is best. If a shelter's not available, cover the trailer with canvas and keep warm air circulating with a heater.
- Always keep the manhole and filler covers tightened. That helps maintain water temperature in the tank and keeps freezing cold air out!

- After each use, drain the pipes by shutting off the water with the main T-valve in front of the tank. Then open all faucets. Prop them open with a piece of wood. No water means no freezing.

Shut off water with T-valve



Keep manhole cover tightened



- Use an immersion heater only in metal tanks. Never use one in a fiberglass tank. It could melt the fiberglass.

A good immersion heater for the job can be ordered using CAGE code 38453 and PN 97-803-100 U. You can email [contact@activegearco.com](mailto:contact@activegearco.com) for more info on it.

If you already have an M67 liquid immersion heater, NSN 4540-00-469-6593, use it. TM 9-4540-202-12&P tells you how.

Follow the instructions on Pages 2-18 through 2-20 of TM 9-2330-267-14&P (Jul 91) to adjust the M67 heater bracket to make it fit the tank. You'll get general guidance there on operating your M149 water trailer in extreme cold, too.

HMMWV...

# IF YOU CAN'T GO, CHECK THE GLOW!

GNRRRRR

I CAN'T GET  
YOU STARTED,  
WHAT SHOULD  
I DO?

GET  
SOME-  
BODY TO  
CHECK  
MY GLOW  
PLUGS!

Ever tried to start your HMMWV in cold weather and it wouldn't crank? Then you couldn't get warm or perform your mission!

Your HMMWV gets cold whenever the temperature drops to around 35°F. But it should still start within a couple of tries. If it doesn't, check the glow plugs. That's right, the glow plugs.

Unfortunately, whenever one glow plug fails, the others do, too, and quickly! And that will keep your HMMWV from moving. So when you take your HMMWV in for servicing, have the mechanics also check the glow plugs. It shouldn't take more than 10 minutes and it'll prevent wasted time later.



Replace bad glow plugs with  
NSN 2920-01-188-3863