



# NOTICE

## FREEZE DAMAGE BOF LANCES

PLEASE BE SURE TO GUARD AGAINST FREEZE-UP OF YOUR WATER COOLED OXYGEN LANCES DURING WINTER MONTHS. ICE ALLOWED TO FORM IN LANCES MAY NOT BE EVIDENT FROM THE EXTERIOR, BUT WILL CAUSE SEVERE INTERNAL DAMAGE, RENDERING THE LANCE USELESS - POSSIBLY DANGEROUS - AND REQUIRING COSTLY REFURBISHMENT.

### OUT-OF-SERVICE LANCES

LAY USABLE LANCES DOWN HORIZONTALLY. RAISE THE TIP SUB-ASSEMBLY END. ALLOW WATER TO RUN OUT THE FITTINGS. BE SURE TO GET OUT ALL THE WATER.

DRAIN SPENT LANCES AS ABOVE, OR BURN A DRAIN HOLE IN THE OUTER BARREL, NOT MORE THAN EIGHT (8) INCHES FROM THE TIP SUB-ASSEMBLY END.

### STAND-BY LANCES

ALWAYS MAINTAIN AT LEAST A REDUCED WATER FLOW RATE ON STAND-BY LANCES TO PREVENT INTERNAL FREEZING. AS TEMPERATURES FALL TO LOWER LEVELS, THE STAND-BY FLOW RATE MAY NEED TO BE INCREASED.

### CHECK FOR FREEZE DAMAGE PRIOR TO USE

ESTABLISH A SHOP PROCEDURE TO CHECK LANCES FOR FREEZE DAMAGE PRIOR TO INSTALLATION, OR REINSTALLATION, DURING WINTER MONTHS. DO NOT USE A LANCE IF NORMAL COOLING WATER FLOW RATE CANNOT BE ACHIEVED, OR IF ICE DAMAGE IS SUSPECTED.



FOR ANY QUESTIONS ABOUT THE PROBLEM OF FREEZE DAMAGE, PLEASE CALL ANY OF THE BERRY METAL COMPANY PERSONNEL LISTED BELOW:

**BRAYTON CARNER**  
**724-777-0310**

**RYAN BUZANOWSKI**  
**219-240-5632**