

SECTION EIGHT: EMERGENCY PROCEDURES

EXTREME LIGHTWEIGHT DIVING SYSTEM EMERGENCY PROCEDURES

KM HELMETS, BAND MASKS, FULL FACE MASKS

EP-3

6-13-11

EP-3: Uncontrolled Loss of Air at the Control Console:

Symptoms: Air venting from the manifold over pressure relief valve.

Probable cause: Reducer seat failure.

Note: A major failure of the HP reducer seat will result in a free flow condition. The HP supply can be easily throttled manually using the appropriate HP-1 or HP-2 supply valves. In addition to the above action, the effected divers HP air can be secured and the appropriate cross connect can be opened to supply the diver with another divers supply during recovery.

Action by Topside:

1. Throttle HP-1 or HP-2 as appropriate to maintain a pressure to the diver between 300-400 psig.
2. Instruct diver to check the umbilical clear and prepare to leave the bottom.
3. If the LP air pressure drops below 250 psig, have the diver shift to the EGS system by opening the helmet EGS valve.

Action by the Diver:

1. If notified by topside, open the side block EGS valve.

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