

## **SECTION EIGHT: EMERGENCY PROCEDURES**

### **EXTREME LIGHTWEIGHT DIVING SYSTEM**

### **EMERGENCY PROCEDURES**

### **KM HELMETS, BAND MASKS, FULL FACE MASKS**

#### **EP-1**

6-13-11

#### **EP-1: Sudden Loss of HP air supply to diver circuit due to damaged topside supply systems or components.**

Symptoms: Sound of air escaping, low pressure (<300 psig) readings.

Most probable causes: Cylinder burst disc ruptured, cylinder O-ring failure, whip failure.

##### **Action by Topside:**

1. Secure affected supply by securing HP-1 or HP- 2 and shift to the secondary air supply cylinder.
2. Have diver check umbilical, clear and prepare to abort the dive.
3. Abort the dive when diver reports ready to travel.

*Note: If HP air supply is no longer available to the divers circuit, open the appropriate cross connect to provide air from other circuit.*

##### **Action by the Diver:**

1. Open the EGS valve on the Helmet side block if the MK-21 or KM-37 is being used or the EGS valve on the ICS if a full-face mask is being employed.
2. Notify Topside, “diver is on EGS”.
3. Clear umbilical, and prepare to abort the dive when instructed by topside.
4. Prepare to shut the EGS valve if directed by topside to verify re-established normal supply.