

## Aishihik – Ocenco Self-Contained Self Rescuer (SCSR)

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### 1.0 Purpose

The purpose of the *Aishihik – Ocenco Self-Contained Self Rescuer (SCSR)* procedure is to provide the steps required to safely use the Ocenco SCSR.

This procedure only applies to the Ocenco SCSR (model EBA 6.5) devices at the Aishihik Generating facility.

### 2.0 Training Required

- Worker(s) must be trained and deemed competent in the use of the Ocenco SCSR;
- Proper use and understanding of JSA/Tailboards.

### 3.0 Personal Protective Equipment (PPE)

Required PPE includes, but is not limited to, the following:

- Safety headwear;
- Safety footwear;
- Safety eyewear;
- Gloves (as req'd).

### 4.0 Pre-conditions

Ensure the following pre-conditions are met:

- Communication with SCC is available at all times.

### 5.0 Reference documents

- Ocenco Incorporated; *Instruction Manual for EBA 6.5 60 Minute Self-contained Self Rescuer (SCSR)*; Manual number: NH13747; Revision: A, ECN 2384; September 7, 2001.
- *Aishihik – AHO Ocenco Self-Contained Self Rescuer (SCSR) Hazard Assessment.*

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Effective date: October 2013

Review date: September 2024

Approved by:

  
Ed Peake, Director, Operations

Revision date: September 2021

Revision number: Rev. 3.0

  
Lowell Tait, Supervisor, Hydro Maintenance

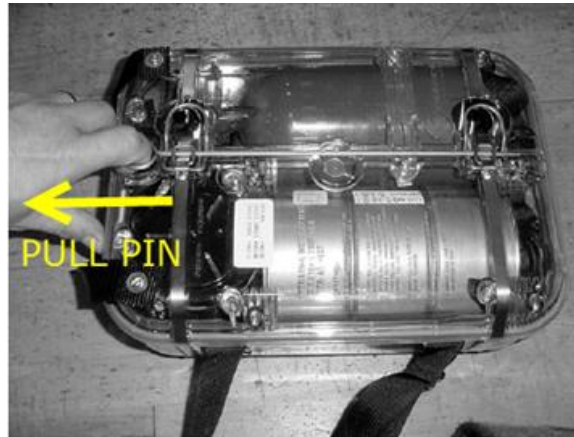
**6.0 Procedure**

See Appendix A - *Instruction Manual for EBA 6.5 60 Minute Self-contained Self Rescuer (SCSR)*; pages 6 and 7.

See Appendix B – How to Don Ocenco SCSR.

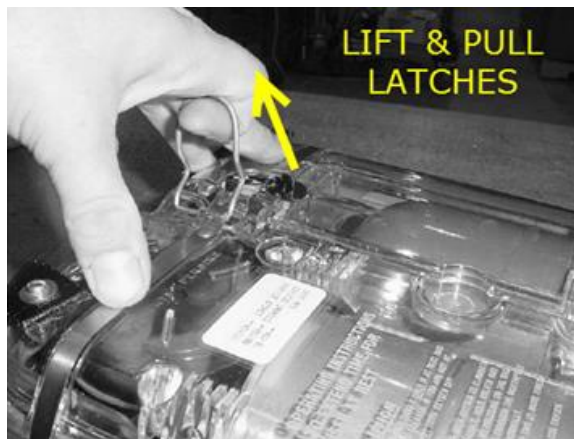
**Step 1 –**

Pull latch release pin/rod.



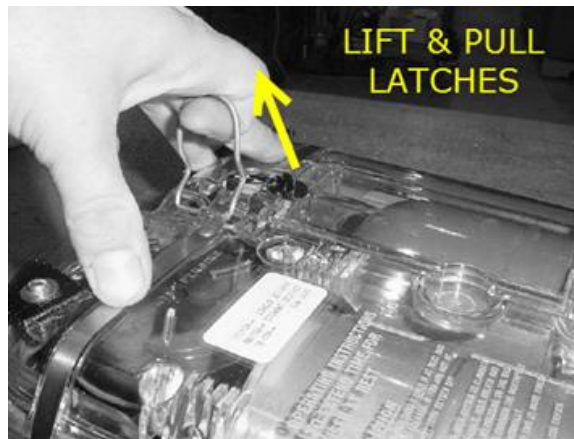
**Step 2 –**

Lift and pull each latch ring (2) to release bands.



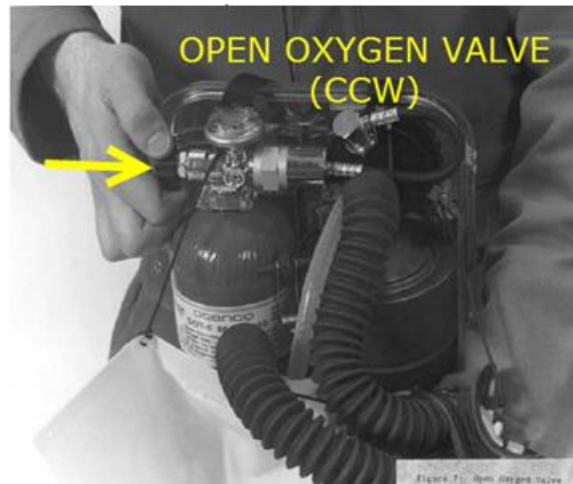
**Step 3 –**

Remove cover from base. Grab the two handle straps and pull case apart, discard cover and rubber seal.



**Step 4 -**

Open oxygen valve fully counterclockwise (in direction of arrow on valve).



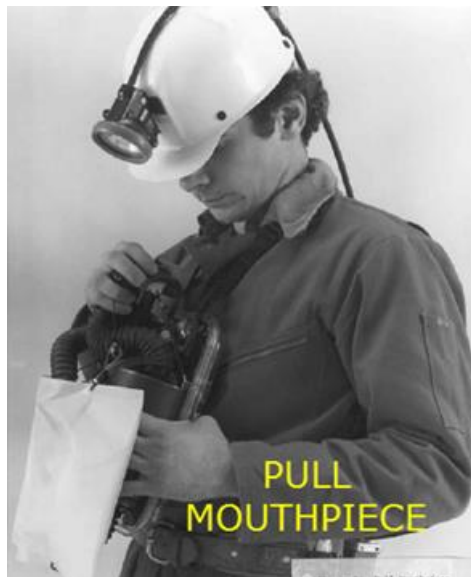
**Step 5 –**

Place neck strap over head.



**Step 6 –**

Pull mouthpiece toward face. The mouthpiece plug will automatically be removed from the mouthpiece. Insert mouthpiece and breathe through mouth only. Use head strap for additional support of mouthpiece, if required.



**Step 7 –**

Apply nose clips to nose.

**Note** - Do not attempt to inhale or exhale through your nose.



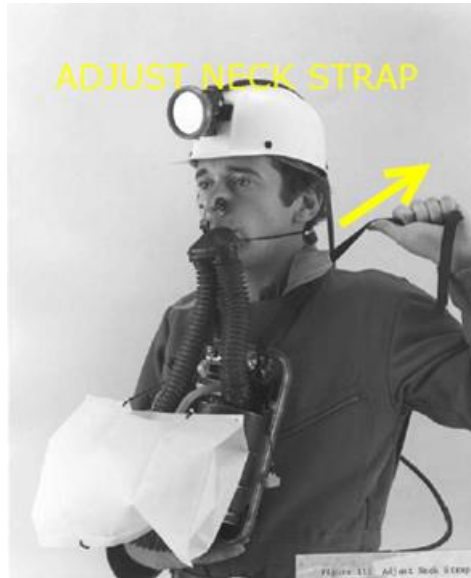
**Step 8 –**

Purge bag with oxygen to eliminate nitrogen: exhale, hold breath and deflate bag by pressing on the bag. Inhale deeply through the mouthpiece, then breathe normally (oxygen will be supplied from the demand regulator).



**Step 9 –**

Adjust neck strap for comfort.



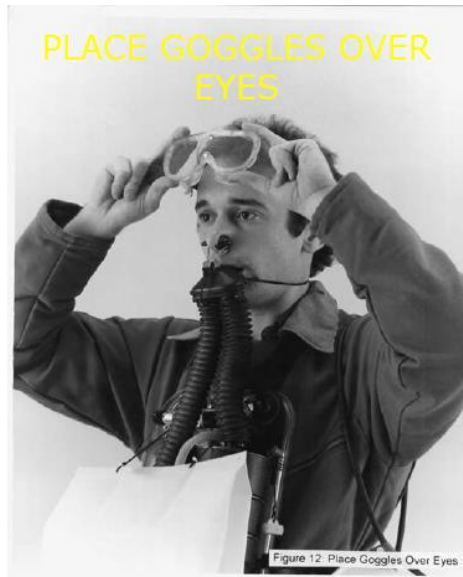
**Step 10 –**

Wrap waist harness around waist, clip and adjust for fit by pulling on strap end.



**Step 11 –**

Place goggles over eyes to prevent irritation from smoke or other irritants.



**Step 12 –**

Leave the area using safe exit route(s).



**DO NOT REMOVE MOUTHPIECE OR NOSE CLIP UNTIL YOU ARE OUT OF DANGER.**

**ENSURE THAT YOU CAN MOVE COMFORTABLY WHILE WEARING SCSR.**

**END OF SCSR USE PROCEDURE**

**NO RETURN TO NORMAL FOR THIS PROCEDURE**



Appendix A - Instruction Manual for EBA 6.5 60 Minute Self-contained Self Rescuer (SCSR); pages 6 and 7

INSTRUCTIONS FOR USE

See attached photographs 3 thru 5

- (1) Pull latch release rod. (Figure 3)
- (2) Lift and pull each latch ring to release bands. (Figure 4)
- (3) Remove cover from base. Grab the two handle straps and pull case apart, discard cover and rubber seal. (Figure 5).

See attached photographs 6 and 7

- (4) Open oxygen valve fully counterclockwise, in direction of arrow. (Figure 6)

- (5) Place neck strap over head. (Figure 7)

See attached photographs 8 and 9

- (6) Pull mouthpiece toward face. The mouthpiece plug will automatically be removed from the mouthpiece. Insert mouthpiece and breathe through mouth only. Use head strap for additional support of mouthpiece, if required. (Figure 8)

- (7) Apply noseclips to nose. Do not attempt to inhale or exhale through your nose. (Figure 9)

- (8) Purge bag with oxygen to eliminate nitrogen: exhale, hold breath and deflate bag by pressing on the bag. Inhale deeply through the mouthpiece, then breathe normally (oxygen will be supplied from the demand regulator).

See attached photographs 10 thru 12

- (9) Adjust neck strap for comfort. (Figure 10)

- (10) Wrap waist harness around waist, clip and adjust for fit by pulling on strap end. (Figure 11)

- (11) Place goggles over eyes to prevent irritation from smoke or other irritants. (Figure 12)

- (12) ESCAPE

Proper handling, maintenance, and other information as supplied in this manual are essential to the effective use of the EBA 6.5. The user should be familiar with Instructions for Use 1-12 before attempting to use the EBA 6.5.



## INSTRUCTIONS FOR USE FOR USER AT REST

### THE FIRST OBJECTIVE IS TO ESCAPE.

In the event escape from an oxygen deficient atmosphere cannot readily be achieved, the EBA 6.5 can operate for up to 8 hours when the user is at rest. Listed below are the steps required to extend the oxygen supply of the EBA 6.5 past one hour if the unit is to be used by a man at rest. Rest is defined as a man sitting with no activity.

- (1) Purge bag with oxygen to eliminate nitrogen: exhale, hold breath and deflate bag by pressing on the bag. Inhale deeply through the mouthpiece then breathe normally. Repeat this step two (2) more times.
- (2) When bag fills, close oxygen valve, clockwise.
- (3) When bag becomes low, open oxygen valve, counterclockwise.
- (4) Repeat steps 2 and 3 until no longer at rest.

### INSPECTION AND MAINTENANCE

Inspection guidelines are based on the deployment of the device. If the EBA 6.5 is carried daily it is to be inspected daily. If the EBA 6.5 is stored according to an approved MSHA storage plan, it is to be inspected every 90 days.

If the EBA 6.5 is stored in a protective storage container on a vehicle the inspections outlined below are not necessary except for the 90-day inspection.

The EBA 6.5 is housed in a rugged transparent polycarbonate case. The case enables the user to inspect the unit easily and in a minimum amount of time. The daily inspection as well as the 90-day inspection should consist of the following:

- (1) Check the oxygen pressure gauge. The pressure gauge reading is normally 3000 psi at 70°F. Remove from service if below 2500 psi or above 3200 psi at 70°F. Refer to the Temperature vs. Pressure chart on page 13 for estimated pressure readings at other ambient temperatures. If the case is damaged and the gauge cannot be read, the unit must be removed from service.
- (2) Make sure that all the latch seals are not broken. Two seals are provided, one for each band. A third seal on the release rod is optional. If all three seals are opened, remove the unit from service. Some users wish to maintain all seals. For this purpose, OCENCO, Incorporated provides replacement seals with a green logo. To assure OCENCO, Incorporated that the SCSR has not been opened, one of the original black latch seals must be in place.
- (3) Inspect the apparatus for indications of abuse. If the view through the case is obstructed such that a proper examination cannot be performed (e.g. scuff marks, stickers, and paint) the unit must be removed from service. Indications of abuse are listed below. If any of these signs are present the unit must be removed from service.

Appendix B – How to Don Ocenco SCSR

