Powered Air Purifying Respirator (PAPR) units are available from the Central Services Department (CSD); phone # 4-5531. CSD is located in the basement of the main building at RIH. A sign out process is in place to ensure equipment is not lost.

The PAPR device in use at RIH/HCH is the Max-Air CAPR system. The step-by-step donning / doffing is below. You will need the helmet, a battery pack, belt, and a disposable lens cuff (DLC).

To don the CAPR:
1. Assemble the battery onto the belt, place the belt comfortably around the waist with the battery near the side/back of the right hip.
2. Loosen knob of the headband.
3. Attach the disposable lens cuff (DLC).
   a. Attach the DLC at the rim of the helmet using the tabs on the helmet.
   b. Pull the DLC peel tab up, over, and to the left to remove the protective cover.
4. Turn on the power. Initially 5 indicator lights should show on the inner side of the helmet; 3 green; one yellow; one red.
   a. After 30 seconds only 3 lights should remain and should be green.
   b. A red light indicates low battery, a yellow light indicates filter issues.
   c. Do not use if a red or yellow light remains on after 30 seconds – obtain another helmet.
5. With the power on, place the helmet on your head – the rim of the helmet sits about ½ inch above the eyebrows.
6. Ensure the 3 green indicator lights are visible.
7. Locate the cuff of the DLC and lower that over your chin, run fingers along the chin to ensure it fits with tension.
8. Ratchet the helmet for a secure fit.
9. Place a chux pad on isolation cart to prepare for doffing CAPR and have storage bag available.
10. Add any remaining PPE.

To doff the CAPR: For contact and airborne or maximum isolation.
1. Inside of the room, remove gown and gloves and discard in trash.
2. Perform hand hygiene and leave the room.
3. Perform hand hygiene and put on clean gloves.
4. With clean gloves and the system still mounted on head, remove the DLC from the helmet by unclipping. Dispose of DLC in appropriate waste.
5. Remove gloves and perform hand hygiene.
6. Put on clean gloves.
7. Loosen the rear headband adjustment knob by turning it counterclockwise.
8. Hold the front top of the helmet in one hand and, with the other hand on the adjustment knob, lift the helmet up and off of the head. Disconnect the power source. Place the helmet on a chux pad on the isolation cart for cleaning.
9. Place the remaining CAPR elements on the chux. Remove gloves and perform hand hygiene.
10. With new clean gloves, wipe the helmet with a PDI (bleach for Maximum) wipe both inside and outside, including the power cord, belt, and battery pack. After cleaning, place all equipment on the isolation cart in a clean bag labeled for that worker to be used for that shift. Discard the chux. Remove gloves and perform hand hygiene.
   • The helmet should be used for the same individual throughout the shift prior to sending back to CSD; new DLC should be replaced every patient encounter.

To return CAPR to CSD: after cleaning helmet with PDI wipe, as instructed above, place in a biohazard bag and return with all components (battery pack and belt) to CSD. The biohazard bag is to indicate to CSD that it has been used; once it is placed on the CSD decontamination cart, please fill out all fields on CAPR return tracking form to ensure your unit is removed from the list of CAPRs in use.

Please watch this 5-minute video if you have questions:
http://www.maxair-systems.net/ProductTrainingVideos/Helmet_Basics/Helmet_Basics_A.html