

CASE STUDY

Side Access Housing (SAH)

A Local Washington D.C. Hospital



THE PROBLEM

A local Washington D.C. Hospital realized that the air intake for much of the hospital was located on the roof of the building, right next to the helipad. Fumes from the landing helicopters were entering the air intake and dumping into patient rooms, especially those on the top floor. Such fumes consist of more than 25 different molecules and particles that can potentially cause harm to people, including the development of cancer, and other maladies over time. Obviously, it was a top priority to prevent the fumes from entering the hospital and harming already critically ill patients.

Additionally, the odor of the fumes was unpleasant for all, and it was even possible that critical and sensitive equipment like MRI's, CT's, etc., were being damaged over time by the pollutants in the air. The operations and maintenance team at the hospital decided to look for a solution to filter the fumes from the air and keep them from entering the hospital.



THE SOLUTION

Working with local representatives, the hospital came to PureAir to see if their gas phase technology could assist with this situation. They decided on the following solution:

- Four SAH18-906-BLWR units, constructed of aluminized steel, to each treat over 8000 CFM of polluted air
- Stainless steel blower with sound insulation for each unit
- CPS Blend chemisorbant media, along with MERV 8 prefilter, and MERV 13 final filter

The hospital's staff and patients have been very pleased with the performance of the SAH systems and note that jet fumes from the helipad no longer infiltrate the hospital airstream.

