

# CANCER CARE CENTER OF YORK COUNTY SANFORD, MAINE

## KEY PARAMETERS

- Type of Facility – Existing Build (EB)
- Function – Healthcare
- Area – 1-story Oncology and Patient Care Building
- Project Completed – 2007

**Challenge:** Clean air is important but it is extremely important for oncology patients. When the facility opened in 2006, the center's proximity to a nearby rubber plant resulted in odors frequently being brought into the building with the ventilation air. Cancer patients, with the medications they are on, are very sensitive to odors and are prone to getting nausea at the presence of any powerful odor. The rubber plant odors from nearby were exacerbating the situation.



**Solution:** New England Trane in Portland, Maine recommended Dynamic Air Cleaners when the standard air filters in the new rooftop units did not address the odor issue. Dynamic 2" polarized-media electronic air cleaners were installed in the Trane rooftop units.

**Results:** According to engineer Michael Johnson with Johnson & Jordan, Inc., "Since the Dynamic Air Cleaners were installed, the complaints and problems associated with the rubber plant have all but disappeared."

And the staff at the Cancer Care Center was pleased, too. From Executive Director Dee Hopper, "There is a marked improvement in the interior air quality with the new filters. We have had no complaints about the rubber odor from patients or staff since they've been installed even though the odor directly outside has been really bad at times. One staff member was getting headaches from the odor and now she is not."

## TEAM

- Owners – Collaboration between Maine Medical Center, Goodall Hospital, and Southern Maine Medical Center
- Architect – JSA, Inc.
- Engineers – Johnson & Jordan, Inc.
- Consultants – Dan Broderick, New England Trane
- In-house Contact – Dee Hopper, Executive Director

## MECHANICAL SYSTEMS

- HVAC – Trane
- Ventilation – Trane Rooftop Economizers
- Building Controls – Trane Bypass VAV

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