

ALBANY TIMES UNION NEWSPAPER ALBANY, NEW YORK

KEY PARAMETERS

- Type of Facility – Existing (EB)
- Function – Commercial Printing
- Area – 17,000 sf printing bay
- Project Completed – 2010

Challenge: Remove noxious ink smell from inside a large commercial newspaper printing facility. An antiquated rolling media filter system was ineffective at removing the heavy ink smell inside the facility. There was a perception of dirty air and complaints and concerns from workers about health and safety.



Solution: Dynamic V-Banks and Dynamic V8 Air Cleaning Systems. Dynamic V-Bank Air Cleaners were installed in twelve 4' x 4' drop return duct inlets inside the printing bay. Downstream of the V-Banks, Dynamic V8 Air Cleaning Systems were installed in a mixed air

unit. Outdoor ventilation air also passes through the V8 system.

Additionally, the new system was carefully sealed to prevent any air bypass and the filtration system was tied into new actuators and a new building control system.



Results: There was an immediate reduction in odors. Upon entering the facility, people are no longer hit with the distinctive ink smell. Employees were comfortable and happy with the improvements. The system was also judged to be cost effective inasmuch as the old filtration system was not providing adequate filtration.

Subsequent inspections showed that the return air side of the system was running much cleaner than previously, cutting down on cleaning maintenance. The Dynamic V-Bank Air Cleaners are expected to operate on an eight to twelve month maintenance interval. Replacement media in the Dynamic V8 Air Cleaning System are expected to require replacing only every several years.

TEAM

- Owner – Hearst Corporation
- Consultants – Trane, Latham, NY
- Mechanical Contractor – Colonie Mechanical Contractors, Inc.
- In-house Facility Manager – Gerry Potter, General Mechanical Supervisor

MECHANICAL SYSTEMS

- HVAC – Trane
- Ventilation – Trane
- Building Controls – Trane Tracer Summit

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