



Odor Control by **Corona Discharge**

North American Distributer

Ambio Biofiltration Ltd.
Box 644
Rockland, Ontario
Canada K4K 1L4

Manufacturer

Neutralox Umwelttechnik GmbH
Loehestrasse 21
D-53773 Hennef
Germany

NEUTRALOX[®]
Environmental Technology

Odor Control by Corona Discharge

Corona Discharge (CD) treats odorous air within a room or space, allowing the air to be re-circulated. It is relatively new to North America but has been successfully used in Germany (and elsewhere) for over 10 years for odor control mostly in wastewater treatment, but also in several other industrial applications; and has a long track record in indoor air controlling yeasts, moulds, and odors.

The air is drawn into the unit and passes over a low-voltage corona discharge, where free radicals, mostly “active oxygen” and some other ions (activated O_2 , OH^- , etc.), are created and immediately begin oxidizing the odour-causing compounds. Strict voltage control minimizes ozone generation, meeting EU standards for indoor air quality. The air is then returned to the room, where the free radicals breakdown odor-causing compounds, moulds and germs, in situ.



Headworks in Evergreen, CO
2500 cfm



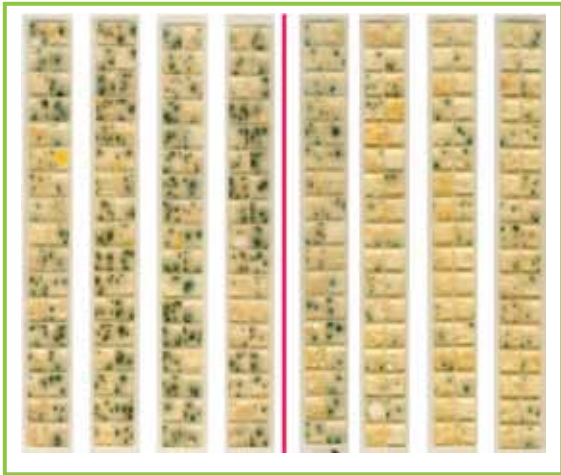
Hung on Wall
2,400 cfm

Advantages of Corona Discharge

Spore and Germ reduction via Corona Discharge

Before

After



70% reduction of spores and 50% reduction of germs after three hours of operation in a dewatering room.

- small footprint
- low capital and operating costs
- very little maintenance
- reduction of odor levels in odorous rooms, buildings
- healthier and safer working environment (see following)
- fewer air changes per hour, resulting in energy savings and smaller ducting for off-gas treatment
- no water or chemicals required
- can easily be turned on or off, so can be used only when room is occupied
- flexible installation requirements (no ducting; can be hung on ceilings, walls, etc.)

For further information, contact :

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Dewatering Room
2,400 cfm

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