AL Olsen

I operate a non-profit dental clinic across the street from the above mentioned facility, that being straight south of it. With our prevailing winds of NW and N, occasionally NE, we have days that the smell of garbage will outdo any landfill from the old days, uffda. Much much worse on the warm days but even some winter days when they open the big doors in the morning when the garbage had time to "ferment" overnight. Some days the seagulls are in large numbers and must be enjoying a meal. I have asked them about why they can't do what so many others do with the negative pressure way of handling their odors and being a good neighbor to many in the city. As shown with the HERC facility in Minneapolis it can be done as many people who attend the Twins game state.. no odor from the HERC. I will again share the attached information to them. Realizing their current funding they received was for the application above I would hope you folks could see the need for odor control and they certainly can get more funds in this Legislative session. We have patients and staff at times gagging and questioning the "health" aspect of the odors being emitted. This all said, they operate a fantastic recycling program and are well managed overall. But as a resident and business person, I feel a County Commissioner of years past who was on the Board for this facility when questioned and provided similar attached information only answer was, "glad we don't have to work there" was poor. That being true, wouldn't the HREC style odor control be quite beneficial to the workers also.. maybe OSHA would like it to! Thank you.

Waste-to-Energy Facility | Olmsted County, MN

https://www.olmstedcounty.gov > garbage-recycling

A: No. The **OWEF was designed to have negative air pressure**. When the doors to the disposal area are opened, air is drawn in, thus containing odors within the ...

Given the nature of transfer station operations, unpleasant odors are an inevitable factor many waste disposal facilities will need to consider. But in order for these facilities to coexist with neighboring communities and businesses with little to no nuisance complaints, it's critical for them to follow proper odor abatement practices.

Nat Egosi, president of <u>RRT Design & Construction</u> in Melville, New York, says typical odor issues can be combated with five best practices, including operating the facility with doors closed, cleaning the facility regularly, conducting all truck cleanout activities indoors, putting the building under negative pressure and using odor control equipment.

When the Hennepin County waste-to-energy facility (HERC) first began operation in 1989, the surrounding neighborhood was a mix of light industry and old warehouses. Due to residential and commercial development in the area, County staff began monitoring odors from HERC, to determine their impact on the neighborhood, and to determine if it was necessary to institute odor controls. Odors from HERC and the surrounding neighborhood were monitored daily at twenty-one established monitoring points. Data showed that odors from HERC came from the tipping hall and the ash storage building and that most of these odors were not detectable beyond the perimeter of the property. Weather data for each monitoring day was also recorded and analyzed. No correlations were found between weather conditions and the detection of HERC odors off-site. The tipping hall at HERC was designed to operate under a negative pressure to keep odors contained within the building. Airflow tests conducted in the tipping hall when the entrance and exit doors were open and when one and both boilers were operating showed that air flowed out of the tipping hall through one of the exit doors. This airflow could be responsible for odors migrating out of the tipping hall. The County researched the installation of high-speed fabric doors on the entrance and exits to the tipping hall to minimize odor migration and increase the negative pressure. The doors would be kept closed except when trucks were entering or exiting the building.

Procedures to Control Odors for Truck Offloading Liquid sludge tankers and cake sludge dump trucks are received into the plant and offloaded in separate buildings. Each building is under constant negative pressure as air flows from the interior of the building through an odor scrubber before releasing into the environment. Upon the trucks arrival, it is positioned to enter into the respective building. The automatic roll-up door is then opened and the truck is backed in. The building looses negative pressure while the door is open. The door is then immediately closed while the sludge is being offloaded to minimize the amount of time the building pressure will be equalized. When the truck is empty, the under carriage is inspected and cleaned to insure that any odorous material that may be on the equipment is washed away within the building. Only when the equipment is cleaned, then the door opened and the truck exits. The door is then immediately closed to restore negative pressure inside the building.

Enclosure of odorous rendering operations may provide the most effective means of odor control. However, only one facility had a completely enclosed raw material receiving operation. The enclosed building had roll-up doors to allow delivery truck access. This building is kept under negative pressure and vented to odor control equipment.

Wellman Farm Odor Mitigation Plan | Lowell, MA

https://www.lowellma.gov > View > 26-Wellman-...

PDF

Our system will be designed to create **negative** air **pressure** within the envelope ... This is the critical component of our system in **controlling** how **odor** is ...

Odor Mitigation and Management Plan

https://test.co.jefferson.wa.us > edoc

PDF

o Adequate exhaust and ventilation to maintain **negative pressure** within the **buildings**, minimizing the likelihood of odorous air escaping.

Water Sustainability Campus | Anaheim, CA - Official Website

https://www.anaheim.net > Water-Sustainability-Campus

In addition, it showcases other important water **management** strategies: ... will create **negative pressure** within the **building** in order to **prevent odors** from ..

Collection System Odor Control Master Plan - LA Sanitation

https://www.lacitysan.org > ~edisp > cnt020340

PDF

headspace, the **construction** of permanent gas/**odor removal** and treatment facilities ... measures resulted in **creating negative pressure** readings in the area.

Appendix A - City of Fresno

https://www.fresno.gov > uploads > sites > 2016/10

PDF

3.3 Industry Operational and Odor Control Standards and Best Practices .

... Negative air pressure on the Main Processing Building is maintained through

Building Under Negative Pressure 3 - Eng-Tips

https://www.eng-tips.com > viewthread

Jan 3, 2019 — I've seen **negative** pressures applied to sewage treatment **buildings** for **odor control**.