

METHANE GAS UTILIZATION - A CASE STUDY

U.S. CHEMICAL STORAGE HELPS TRANSFORM LANDFILL TO “PROJECT OF THE YEAR” COINED BY THE EPA



WHAT IS METHANE GAS UTILIZATION?

U.S. Chemical Storage® industrial metal shelters are used for many different applications. One of our most popular uses among our industrial metal shelters is for protecting equipment used for Landfill Methane Gas Utilization. Landfill Methane Gas Utilization is the process of extracting, processing and treating methane gas that is discharged from composting garbage.

WATAUGA COUNTY LANDFILL ENVIRONMENTAL LEADERSHIP

The U.S. Environmental Protection Agency has named the Watauga County Landfill methane gas utilization project the “Project of the Year”. Awarded from the EPA, Watauga County Landfill is now generating electricity by burning methane and saving money while doing it. According to a local news source in Boone, NC, “As of the end of December, the county had earned about \$31,250 by saving nearly \$13,500 on electricity bills at the landfill and by earning an additional \$17,800 from the sale of electricity to Duke Energy and green power credits to N.C. Green Power, according to the county.” The project has also been recognized by the EPA for “supporting innovative landfill gas research in collaboration with Appalachian State University’s Energy Center”.

BENEFITS OF METHANE GAS UTILIZATION

Landfill Gas Utilization has been a major success among energy users and providers and is continuing to grow across the nation. According to the EPA, “Many local governments across the United States are achieving energy, environmental, health, and economic benefits by utilizing technologies that capture methane from municipal solid waste (MSW) landfills...” The use of methane gas offsets the use of environmentally damaging fuels that are usually used, such as oil or natural gas. Methane Gas Utilization projects not only benefit the community, but also save money in the process.

PROTECTION BENEFITS

Equipment used to extract methane gas from landfills is an investment. The equipment that is used must be protected and secured safely. Equipment such as generators and blowers must be used for Methane Extraction and the weathering elements can depreciate your equipment and or hinder operations. Our Industrial Metal Shelter buildings serve as equipment storage buildings to protect your heavy-duty equipment for your methane gas site. U.S. Chemical Storage® industrial metal shelters can provide sound suppression as well as general protection to workers and the equipment being utilized. Landfill gas projects are a win-win opportunity for all parties involved, whether they are the landfill owner, the local utility, the local government, or the surrounding community, and U.S. Chemical Storage® helps to benefit this purpose.



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U.S. CHEMICAL STORAGE® BACKGROUND INFORMATION

U.S. Chemical Storage® was founded in 1983 with one thing in mind: Our passion for safely protecting your reputation, providing secure and extremely reliable chemical storage buildings. Since our founding, technology, regulations, requirements and storage buildings' safety have constantly evolved and improved—so have we. U.S. Chemical Storage® is the leading manufacturer of chemical storage buildings in the United States. We strive to protect our clients, the public, and the environment with the strongest and most compliant chemical storage buildings made. Our chemical storage buildings offer complete protection and allow your chemical inventory or equipment storage to remain secure and safe. Our Industrial Metal Shelters provide maximum protection to your investments and operations with our extremely strong metal steel construction.

OUR VALUES

At U.S. Chemical Storage® we value the safety of our clients by the constant innovation of our buildings and how they serve the community. We strive to provide safe and compliant chemical storage buildings to benefit our environment and lead by example as a responsible supplier for chemical storage solutions.

INDUSTRIAL METAL SHELTERS BY U.S. CHEMICAL STORAGE

Our metal storage buildings provide maximum protection and security to your methane gas utilization project. When storing important, heavy-duty equipment for generating energy, it is important that your site and operations run smoothly. Our metal storage buildings provide full protection with American-made steel and a 100% customizable design. Our industrial metal shelters provide full protection for methane gas utilization operations by utilizing our tubular steel frame for structural support. Protect your operations and keep them safe with our extremely strong, 100% customizable industrial metal shelters.

WHEN METHANE GAS UTILIZATION PROJECTS ARE BLUEPRINTED – MAKE SURE TO PROTECT YOUR OPERATIONS WITH OUR EXTREMELY DURABLE, SOUND-DAMPENING METHANE GAS UTILIZATION BUILDINGS.



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