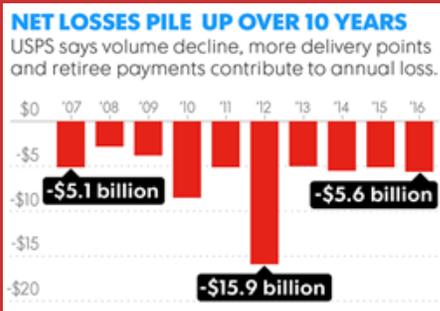




Morgan General Processing and Distribution Center



SOURCE US Postal Service; GRAPHIC George Petras, USA TODAY

One of the largest mail processing centers in the nation, the Morgan General Mail Facility spans 2.2 million square feet, taking up an entire New York City block. The facility was built in 1933, connecting to the High Line Rail Road and creating a path for more than 8,000 mail trains to have direct access to the mail facility. Today, the center processes nearly 2 billion pieces of mail per year for the surrounding neighborhoods of Brooklyn, Queens, the Bronx, Staten Island and Manhattan.

Over the past decade, the USPS has seen dramatic declines in mail volume, annual revenue losses as high as 15 billion per year, mounting debt in benefits owed to employees and retirees, and the USPS simply cannot cut expenses quick enough to cover the difference.

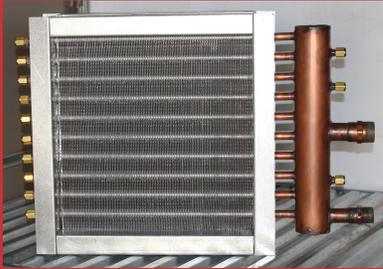
According to the USPS, during testimony before the Committee on Oversight and Government Reform, it will continue to implement operational initiatives to contain costs and take actions to maintain liquidity. To improve liquidity in recent years, USPS has reported conserving cash by spending only what it believed was essential to maintain its existing facilities and service levels. For example, although USPS said it must invest in upgrades of letter sorting equipment that is at or near the end of its useful life and also in equipment to fully capitalize on business opportunities in the growing package delivery market, it deferred facilities maintenance to conserve cash in instances where this could be done without adversely impacting employee health or safety issues.¹

As maintenance budgets continue to shrink each year, it has become even more vital for facility managers to come up with cost effective strategies to keep their buildings in running order. For larger real estate, such as the Morgan General Mail Facility, the cost of materials and labor for older HVAC systems can be staggering. With average NYC winter temps in the 30s, there are plenty of opportunities for freeze events to occur and cause equipment damage.

In the late 1990s, Morgan General experienced one such event. Issues with dampers, possible errors in winterizing coils and control failures all led to freeze events which required quick coil replacement to get back up and running. Local contractors were brought into the project along with the assistance of USA Coil & Air Rep Sternberg and Associates. Martin Sternberg immediately saw the application fit for Sentry Guard™ and was successful in communicating the solution to his contractor and the facility maintenance supervisor(s).

¹U.S. Government Accountability Office, GAO-17-404-T, 2/7/2017
(<https://oversight.house.gov/wp-content/uploads/2017/02/Rectanus.pdf>)

Morgan Station Mail Facility Case Study



Steam Distributing Coil with Sentry Guard™ Option



Return Bend with Sentry Guard™ Plug



4 Row Chilled Water Coil with Sentry Guard™ Option

Sentry Guard™ Burst Resistant Coils are designed with a thread able “plug” on every header, return bend and tube stub of the coil. The narrow plug incorporates a hex design making it easy to remove and replace without damaging the delicate copper tubes of a coil. When freezing occurs, pressure builds until the weakest part of the coil fails, usually above 1000 psig. The patented relief plugs installed with a Sentry Guard™ system are designed to burst at 650 psig, relieving pressure before coil damage occurs. Freeze severity determines how many relief plugs burst. If a freeze event occurs, repair is as simple as unscrewing the ruptured plugs and screwing on a replacement plug.

With Sentry Guard™ coils installed, the facilities maintenance department at Morgan General quickly realized they had a dependable backup, guaranteeing if a freeze event were to occur, the time and expense to replace a damaged coil would be taken out of the equation. Burst plugs are switched out within minutes and the system is back up and running immediately. Morgan General has been replacing their old chilled and hot water coils with new Sentry Guard™ replacements for over 2 decades. With maintenance budgets continuously compromised over the years, onsite personnel are happy to have their Sentry Guard™ “insurance policy” in place, making it easier to maintain the facility on a tight budget while guaranteeing no down time due to a common freeze event.

For more information on USA Coil & Air’s Sentry Guard™ Burst Resistant Coils, including white paper, specification info and general info, call our office today or go to our website: <http://usacoil.com/sentry-guard-coils>



NOTABLE SENTRY GUARD™ PROJECTS

CHICAGO - O'HARE AIRPORT • NYC POST OFFICE • MAYO CLINIC • NYU MEDICAL CENTER
BRISTOL MYERS-SQUIBB • PRATT-WHITNEY • PRINCETON UNIVERSITY • NJ TURNPIKE
AUTHORITY • MARRIOTT • PFIZER, INC. • DUPONT • TOYOTA • GENERAL ELECTRIC
ARGONNE NATIONAL LABS • LOCKHEED MARTIN • GEORGIA PACIFIC • NESTLE • TESLA
MOTORS • TEXAS INSTRUMENTS • SUNY STATE UNIVERSITY OF NY • SIEMENS

