

Lifetime of Benefits

Benefits to Blue Plains

Significant labor savings in cost and time:

- ✓ Installed in half the time of FRP
- ✓ Cost of field labor was 50% that of FRP
- ✓ Eliminated the need to mix catalysts / resins to meet fluctuating weather conditions

Little to no maintenance required:

- ✓ PSP® does not require GEL coating for UV protection
- ✓ Regular cleaning to eliminate mold is not required like FRP

Reduced insurance cost:

- ✓ 0 flame spread and <20 smoke generation rate, per ASTM E-84, mitigates risk due to fire in the duct system

Superior corrosion resistance providing decades of use compared to:

- ✓ FRP Duct
- ✓ Stainless Steel Duct
- ✓ Galvanized Duct
- ✓ Aluminum Duct
- ✓ Plastic (PVC, PP) Duct



AMCA Certified Damper

"We were very pleased with both the quality of the product and the working relationship with Fab-Tech. Fab-Tech's diligent customer service and thorough coordination with CCI's Field and Management Staff was critical in CCI's ability to meet the project completion date and deliver the customer with an exceptional final product."

Declan Munslow, Vice President Corinthian Contractors Inc.



“Superior Performance and Low Cost are a Winning Combination!”

Wastewater Vapors

PermaShield Pipe is recognized as the industry leader for removal of corrosive and highly hazardous fumes from a variety of industrial applications. Exhaust duct lines at wastewater facilities handle not only malodorous fumes, but potentially health hazardous vapors containing compounds and chemicals. Many of which are corrosive in nature.

"PSP®'s unique combination of features and benefits makes it the best choice for decades of worry free exhaust service."

Biosolids & Dewatering

One application that DC Water wanted PSP® to be utilized was in the Biosolids Management Program (BMP). Upgrades to this program included four thermal hydrolysis process trains, four mesophilic digesters and a final dewatering facility. Several thousand feet of coated PSP® duct, ranging in size from 12 inch to over 60 inch diameter, were installed as part of the support infrastructure for these state-of-the-art upgrades.

"PSP® easily addresses the challenges of odor, corrosion and flammability."



BioSolids and Dewatering Building.

Grit Chambers 1 & 2

DC Water invested \$84 million into the two Grit Chamber buildings including a new continuous grit removal system with submersible pumps utilizing a new traveling bridge grit removal system. In the grit chambers, raw sewerage is sifted to remove debris such as rocks, plastics, sand and other larger debris. All of the chambers require odor collection systems to prevent polluting the external environment and keep the levels of potentially toxic fumes below harmful levels for workers.

" Sound exhaust system with easy installatin."

Fab-Tech utilizes "Van Stone" flanges with PermaShield expanded PTFE gasket material to provide best-in-class sealing capabilities, boasting 30 years of "zero" leaks when properly installed!



"PSP® continues to partner with DC Water in their efforts to reduce odorous fumes and the effects on the environment."



Dewatering facility odor control duct.



Coming up and across for Grit Chambers.

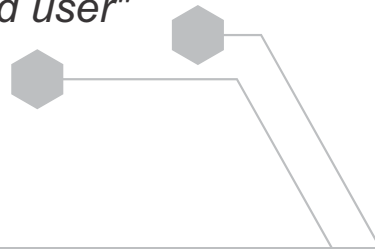
Operations and Maintenance

PermaShield Pipe continues to partner with DC Water in their efforts to reduce odorous fumes and their effects on the environment, while helping to control operating costs and increasing process efficiency.

The solutions that DC Water engineers envisioned was successful by employing a combination of superior design and cutting edge technology.

In conclusion, corrosive fume exhaust should be just that...corrosion resistant. Fab-Tech's PermaShield fluoropolymer barrier coating with proprietary resin technology assures adhesion to the stainless steel, resulting in a coating that will not delaminate. Based on published data, PSP® far surpasses FRP in chemical resistance and the PSP® robust stainless steel substrate will not burn, collapse or leak.

"A lifetime of savings and value for the end user"



About Fab-Tech, Inc.

Fab-Tech manufactures PermaShield Pipe (PSP®), a revolutionary hybrid fluoropolymer coated stainless steel duct system recognized worldwide as the premier solution for corrosive and hazardous fume exhaust needs. PermaShield Pipe is a fully engineered, modular fume exhaust system that combines the reliability of stainless steel with the superior corrosion resistance of Fab-Tech's proprietary PermaShield Fluoropolymer Barrier Coating.

