

Greenpoint Filtration System

Brooklyn, NY – March 2008

As a result of decades of leaks and spills at an oil refinery in the Greenpoint area of Brooklyn, NY, 800,000 barrels of oil were discovered on the aquifer in 1978. To date, approximately 400,000 barrels of oil have been recovered. On one of the reclamation sites, 8,000 gallons of oily water are treated per day and 50 gallons of oil are recovered.

In the final stage of the oily water treatment process, over 100 polypropylene pads were used per week to absorb the oil. A charcoal filter was also used and was being replaced every 60 days.

In March 2008, C.I.Agent® products were added to the process equipment. C.I.Agent® Agent-X filtration material and C.I.Agent® Bilge Bags were used to encapsulate hydrocarbons in the final stage. As a result of using C.I.Agent® products, the polypropylene pad change out went from daily to weekly. The charcoal filters are now being replaced every 90 days instead of every 60 days.

The projected cost savings of using C.I.Agent® products in this oily-water separator system is \$12,500 per year.

C.I.Agent® Costs Comparison

	C.I.Agent®	Polypropylene
Materials:	2 - C.I.Agent® Agent-X pads (weekly) 2 - C.I.Agent® Bilge Bags (weekly) Charcoal Filter Media (every 90 days)	84-105 pads (weekly) Charcoal Filter Media (every 60 days)
Labor:	Once a week - pad change-out Every 90 days - charcoal	7 days a week - pad change-out Every 60 days - charcoal
Total Cost:	\$22,500	\$35,000

Benefit Summary: Replacing over 100 polypropylene pads with two (2) C.I.Agent® Agent-X pads and two (2) C.I.Agent® Bilge Bags, on a weekly basis, produced a projected annual savings of 36 percent in material and labor costs.