



The HTC-G-20,000 gallon OWS is lowered into the pit at the installation site.

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### AIRPORT EXPANSION

The expansion of cargo operations at an airport in the New England area required upgrades to the wastewater treatment system. The EPA requires facilities that engage in regulated industrial activities to obtain NPDES permits before discharging storm water. The airport's deicing and fueling facilities are specifically identified as industrial activities subject to the NPDES regulations.

The design engineer specifies a Highland Tank wastewater treatment system for the drainage upgrades on the project.

Highland Tank's wastewater treatment system consisted of one HTC-G-20,000 gallon Oil/Water Separator. This unit is designed for the treatment of contaminated storm water runoff from 0-2,000 gallons per minute, discharging with a qualified/certified effluent quality of 10 ppm of free oil and grease. The unit was double-wall construction, 10'-6" diameter and 38'-9" in length, with HighGuard corrosion protection system, and included a leak detection and high oil alarm system. The HighGuard corrosion protection system is Highland Tank's own innovative coating.

This coating demonstrates an excellent balance of flexibility, impact strength, and protection from abrasion and corrosion. The HTC-G-20,000 also featured an integral sand interceptor compartment to permit sand and gravel to settle out before the wastewater enters the separation chamber.

The EPA requires facilities that engage in regulated industrial activities to obtain NPDES permits before discharging to a storm water system. Beginning in 1972 with the Clean Water Act, Congress passed a series of laws prohibiting the discharge of pollutant into the waters of the United States from a point source unless discharge is authorized by a NPDES permit.

The CWA has been interpreted to cover all surface waters, including any waterway within the United States.

In most cases, NPDES discharge regulations state that "any facility that discharges a harmful quantity of oil, or any petroleum product, and the oil enters a body of water in the United States, by whatever means, is liable for significant penalties for cleanup costs and ecological damage." A harmful quantity of oil, by government definition, is an oil discharge that can "cause a film or sheen upon, or a discoloration of, the surface of the water." It may also include a discharge that can cause a sludge or emulsion to be deposited beneath the surface of the water or upon adjoining shorelines. More specifically, this is an oil waste having an average oil content greater than 15 ppm.

[Please visit our website](#) to learn more about Highland Tank's wastewater treatment systems.



The HTC-G-20,000 unit arrives on site.

Call 814-893-5701 today or visit us at [www.highlandtank.com](http://www.highlandtank.com) for more information on wastewater treatment systems.

Contact: Tom Schoendorf  
Email: [tschoendorf@highlandtank.com](mailto:tschoendorf@highlandtank.com)

