

City of Palo Alto adopts Royal Environmental's ecoSep oil/water separation technology.

Project: Site Upgrade – Palo Alto Fire Station No.'s 4 & 5
Location: Palo Alto, California
Engineer: Palo Alto Department of Public Works
Owner: City of Palo Alto
Sales Agent: JBI Water & Wastewater Equipment
Project Objective: High efficiency treatment of fueling/wash pad water runoff



The City of Palo Alto, in a continuing effort to upgrade and maintain its municipally owned facilities, specified the ecoSep high efficiency oil/water separation technology for its Fire Department Stations No.4 & No.5.

Existing fueling/wash pads discharge directly to the sanitary sewer system. Palo Alto's Industrial Waste Program as well as permits issued by the Environmental Compliance Division, require pre-treatment before discharge.



Prior to the above referenced project, treatment of these industrial non-point source discharges had been addressed with large volume modified septic tanks. While the unit cost of the modified septic tank is approximately one third the cost of the ecoSep technology, annual maintenance cost savings using the ecoSep technology will surpass the initial up-front cost in approximately three to four years based on pollutant loading for similar pad applications.

Palo Alto Industrial Waste Program Management chose the ecoSep technology after consideration of the following:

- Cost competitive with previous system after initial 3 to 4 years of operational maintenance cost savings with additional annual savings each year thereafter.
- The highest industry standard for certified free oil removal <5ppm (see uniform testing protocol) and removal of all contaminated particulate >30 microns.
- ecoSep's standard integration of the unique ecoStop spill control technology.
- Option to retrofit the ecoSep's Automatic Oil Drawoff Device (ADD) for collecting all liquid hydrocarbon pollutants with <1% water contamination.



Royal Environmental Systems offers ecoSep oil/water separation technology and ecoStop catastrophic spill control technology. Best Available Technology (BAT) can be the most cost effective solution.