STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
320 West 4th Street, Suite 200, Los Angeles, California 90013

# FACT SHEET
# WASTE DISCHARGE REQUIREMENTS
# FOR
# APPLIED ENVIRONMENTAL TECHNOLOGY, INC
# (FORMER MOBIL SERVICE STATION)
# NPDES NO. CAG994004
# CI-9147

| **FACILITY ADDRESS** | **FACILITY MAILING ADDRESS** |
|---|---|
| 415 East Thompson Boulevard<br>Ventura, CA | 4561 Market Street<br>Ventura, CA 93003 |

## PROJECT DESCRIPTION:

Applied Environmental Technologies, Inc (Discharger) proposes to cleanup the gasoline impacted groundwater beneath the Former Mobil Service Station located at 415 East Thompson Boulevard in the City of Ventura. Groundwater extracted from the site will be passed through two filter cartridges and then through a series of three activated carbon vessels prior to discharge. Figure 1 shows the location of the site and Figure 2 shows the schematic of the treatment process. The Discharger proposes to discharge the treated groundwater into a nearby stormwater drain.

## VOLUME AND DESCRIPTION OF DISCHARGE:

Up to 30,000 gallons per day of groundwater will be discharged from the project site to Outfall No. 1 (Latitude: 34° 16' 43", Longitude: 119° 17' 39"). The discharge flows into Pierpont Bay, a water of the United States.

## APPLICABLE EFFLUENT LIMITATIONS

Based on the information provided in the NPDES Application Supplemental Requirements, the following constituents listed in the Table below have been determined to show reasonable potential to exist in the discharge. The groundwater discharge flows into Pierpont Bay which is designated as Marine Habitat (MAR) beneficial use. Therefore, the discharge limitations for saltwater waterbodies apply to the discharge.

This Table lists the specific constituents and effluent limitations applicable to your discharge.

| Constituents | Units | Discharge Limitations | |
|---|---|---|---|
| | | Daily Maximum | Monthly Average |
| Total Suspended Solids | mg/L | 150 | 50 |
| Turbidity | NTU | 150 | 50 |
| $BOD_5$ 20°C | mg/L | 30 | 20 |
| Oil and Grease | mg/L | 15 | 10 |
| Settleable Solids | ml/L | 0.3 | 0.1 |
| Sulfides | mg/L | 1.0 | N/A |
| Phenols | mg/L | 1.0 | N/A |
| Residual Chlorine | mg/L | 0.1 | N/A |
| Methylene Blue Active Substances (MBAS) | mg/L | 0.5 | N/A |
| Copper | µg/L | 5.8 | 2.9 |
| Silver | µg/L | 2.2 | 1.1 |
| Cyanide | µg/L | 1.0 | 0.50 |
| Lead | µg/L | 14 | 7 |
| Total petroleum hydrocarbons | µg/L | 100 | |
| Benzene | µg/L | 1.0 | |
| Toluene | µg/L | 150 | |
| Ethylbenzene | µg/L | 700 | |
| Xylenes | µg/L | 1750 | |
| Ethylene dibromide | µg/L | 0.05 | |
| Methyl tertiary butyl ether (MTBE) | µg/L | 5 | |
| Tertiary butyl alcohol (TBA) | µg/L | 12 | |
| Naphthalene | µg/L | 21 | |
| Di-isopropyl ether (DIPE) | µg/L | 0.8 | |

**FREQUENCY OF DISCHARGE:**

The groundwater discharge is intermittent and will last approximately twelve months.

**REUSE OF WATER:**

Offsite disposal of the groundwater discharge is not feasible due to high cost of disposal. The property and the immediate vicinity have no landscaped areas that require irrigation. Since there are no other feasible reuse options, most of the groundwater generated from the project will be discharged to Pierpont Bay in accordance with the attached Order.

August 24, 2006