

Oil Field Sewage



Oil field sewage mainly includes crude oil effluent (also known as oil production), drilling sewage and other types of oily sewage in the station. There are many ways to treat oilfield sewage according to the factors of oilfield production and environment. When the oil field needs water injection, the oil field sewage is treated and injected back into the formation, and the suspended matter and oil in the water should be strictly controlled at this time to prevent the damage to the formation.

Challenges

Oil field drilling sewage includes drilling fluid, well washing fluid and so on. The pollutants in drilling sewage mainly include drilling debris, oil, viscosity control agents (such as clay), aggravating agents, clay stabilizers, corrosives, preservatives, etc. The drilling sewage also contains heavy metals, which are rich in impurities and corrosive. Other types of sewage mainly include leachate from oil sludge dump sites, sewage from washing equipment, surface runoff rainwater from oil fields, domestic sewage and polluted water bodies caused by accidental leakage and discharge.

Products

- **LD Magnetic Flow Meter**

LD magnetic flow meter is suitable for conductive medium with conductivity greater than $5\mu\text{S}/\text{cm}$ and with wide nominal diameter range. It is also suitable for various conductive environment conditions where there is no pressure loss, with a variety of power supply modes and signal output. It uses standard RS-485 serial communication interface

and support international common standards MODBUS-RTU communication protocols, GPRS and other wireless and wired communication networking methods. It can also provide wireless meter reading system (computer management software and database) that can be accessed by remote network.

Features

1. Excellent measurement repeatability and linearity.
2. Good reliability and anti-jamming performance.
3. Good pressure tightness.
4. Low pressure loss measuring tube.
5. Intelligent.
6. Maintenance-free.

● **UFM Ultrasonic Flow Meter**

UFM ultrasonic flow meter is widely used in the long-term on-line measurement of various liquids, suitable for all dense pipes. The sensor of flow meter is divided into external clamp type, plug-in type and pipe section type, in which the external clamp type and plug-in type can be continuously and uninterrupted flow installation. The main engine can be installed in the indoor, instrument cabinet, the sensor is installed on the pipe, the main engine and sensor are connected by custom cable, the flow rate can be measured, and the ration temperature sensor can realize the heat measurement.

Features

1. Unique waveform display interface, easy to quick install and locate the sensor.
2. Visual man-machine interface, easy to operate.
3. Ground metal sensor has stronger anti-interference ability;
4. Based on digital platform signal processing, high precision, strong. anti-jamming ability, it can work well in harsh working conditions.
5. Housing is waterproof, dustproof, anti-oil pollution and a variety of liquids and dirt, it's durable and the waterproof grade is IP67.