

## Case history brief:

<b>Location:</b>	Sorochinsk oil field, Russia
<b>Customer:</b>	RosEcOil
<b>Application:</b>	Oil containing water
<b>Capacity:</b>	8 m <sup>3</sup> /hr
<b>Clarification:</b>	Oil removal
<b>Chemicals:</b>	Aluminium based coagulant and anionic flocculant; acid pH control
<b>Installation:</b>	Mobile unit, Turnkey, 2012

## Case history features:

### The problem

Oil fields in Russia are covered with ponds containing oil, water and mud from drilling and oil pumping etc. RosEcOil was in need of treatment for oily sludge, water and mud collected in the pond. The customer ordered a DAF unit able to treat oily water to be installed in a container mobile unit.

### The solution

After pilot plant trials, KWI Russia supplied a mobile unit installed in a 40 ft container, including a pilot DAF (MCV 1), ADT, pumps, dosing stations and other auxiliary equipment. The mobile unit can be relocated in any part of the oil fields.

Water to DAF comes from gravity settlers. Treated water is discharged to storage pits and oil is returned for further use.

Raw water:		Outcoming water:		Details:
Flow, m <sup>3</sup> /hr:	10			Startup : 2012
Oil, mg/l:	2000-3000	Oil:	20 mg/l	
SS, mg/l:	800-2500	SST:	20 mg/l	
pH:	3	pH:	5.5-6.5	

**12-RU001-MCV-O**

**Location**  
Russia  
**Year**  
2012

**Job**  
8.11.004  
**Application**  
Oil & Gas

**Equipment**  
MCV 1  
**Customer**  
RosEcOil

